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Transmitted Via Overnight Courier

February 27, 2009

Mr. Richard Fisher
U.S. Environmental Protection Agency
EPA - New England
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Re: **GE-Pittsfield/Housatonic River Site**
Groundwater Management Area 1 (GECD310)
NAPL Monitoring Report for Fall 2008

Dear Mr. Fisher:

In accordance with GE's approved *Baseline Monitoring Program Proposal for Plant Site 1 Groundwater Management Area* (September 2000), enclosed is the *Plant Site 1 Groundwater Management Area NAPL Monitoring Report for Fall 2008.* This report summarizes and presents the results of activities performed from July through December 2008, related to the monitoring and recovery of non-aqueous phase liquid (NAPL) at the Plant Site 1 Groundwater Management Area (GMA 1) and discusses proposed modifications to certain NAPL monitoring activities.

Please contact me if you have any questions regarding this report.

Sincerely,

Richard W. Gates /MH for

Richard W. Gates
Remediation Project Manager

Enclosure
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General Electric Company
Pittsfield, Massachusetts

Groundwater Management Area 1
NAPL Monitoring Report for
Fall 2008

Volume I of II

February 2009

ARCADIS

Groundwater Management Area 1 NAPL Monitoring Report for Fall 2008

(Fall 2008 GMA 1 NAPL Monitoring Report)

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1. Introduction

1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD governs (among other things) the performance of response actions to address polychlorinated biphenyls (PCBs) and other hazardous constituents in soils, sediment, and groundwater in several Removal Action Areas (RAAs) located in or near Pittsfield, Massachusetts that are included within the GE-Pittsfield/Housatonic River Site (the Site). For groundwater and non-aqueous-phase liquid (NAPL), the RAAs at and near the GE Pittsfield facility have been divided into five separate Groundwater Management Areas (GMAs). These GMAs are described, together with the Performance Standards established for the response actions at and related to them, in Section 2.7 of the Statement of Work for Removal Actions Outside the River (SOW) (Appendix E to the CD), with further details presented in Attachment H to the SOW (Groundwater/NAPL Monitoring, Assessment, and Response Programs). This report relates to the monitoring and recovery of NAPL at the Plant Site 1 Groundwater Management Area, also known as and referred to herein as GMA 1.

In September 2000, GE submitted a Baseline Monitoring Program Proposal for Plant Site 1 Groundwater Management Area (GMA 1 Baseline Monitoring Proposal). That proposal summarized the hydrogeologic information available at that time for GMA 1 and proposed groundwater and NAPL monitoring activities (incorporating, as appropriate, those activities in place at that time) for the baseline monitoring period at this GMA. EPA conditionally approved the GMA 1 Baseline Monitoring Proposal by letter of March 20, 2001. Since their initiation, the groundwater quality and NAPL monitoring programs have been modified several times (with EPA approval), including modifications based on proposals contained in GE's semi-annual groundwater and NAPL monitoring reports, update letters from GE to EPA, or EPA's letters conditionally approving the semi-annual reports.

As part of its NAPL monitoring program, GE is required to submit semi-annual reports summarizing the NAPL monitoring/ recovery results and related activities and, on an annual basis (in the fall semi-annual reports), to evaluate the NAPL monitoring/recovery program and propose modifications to optimize NAPL recovery operations, as appropriate. This Plant Site 1 Groundwater Management Area NAPL Monitoring Report for Fall 2008 (Fall 2008 NAPL Monitoring Report) summarizes and presents the results of the NAPL-related activities performed at GMA 1 from July 2008 through December 2008. Based on review of the existing information, this document also provides assessments of the overall

effectiveness of NAPL recovery operations at GMA 1 and includes a description of new and previously-submitted proposals to modify certain NAPL recovery activities, based on the results of those assessments. Non-NAPL-related groundwater quality monitoring activities regarding GMA 1 are described in separate reports, the most recent of which was GE's January 2009 *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2008*.

1.2 Program Overview

GE has performed NAPL monitoring and recovery activities for over 40 years at some portions of GMA 1, and the results of those activities have been documented in numerous reports prepared under MCP and the Resource Conservation and Recovery Act (RCRA) Corrective Action Programs prior to fall 2000, and under the CD thereafter. GE's NAPL recovery program at GMA 1 includes the operation of several automated hydraulic control and NAPL recovery systems and routine manual monitoring and recovery operations for light non-aqueous-phase liquid (LNAPL) and dense non-aqueous-phase liquid (DNAPL). The manual monitoring program includes a combination of weekly to semi-annual groundwater and NAPL thickness measurements and manual removal of NAPL if the observed thickness is greater than a location-specific criterion.

Approximately 250 monitoring wells were monitored across GMA 1 between July and December 2008. The specific NAPL monitoring and recovery activities performed at the various RAAs within GMA 1 in fall 2008 are discussed in more detail in Sections 3 and 4. GE, in addition to undertaking routine NAPL monitoring activities, also modified the groundwater elevation and NAPL monitoring/removal program to more efficiently meet the needs of the program. Those modifications were proposed in several documents, including, most recently, those submitted to EPA in 2007 and 2008:

- A *Groundwater Elevation Assessment for Newell Street Area II Removal Action Area* (letter to EPA dated May 22, 2007, conditionally approved by EPA in an October 10, 2007 letter).

- The *Groundwater Management Area 1 NAPL Monitoring Report for Spring 2007* (Spring 2007 NAPL Monitoring Report) (conditionally approved by EPA in an October 10, 2007 letter).

- The *Groundwater Management Area 1 NAPL Monitoring Report for Fall 2007* (Fall 2007 NAPL Monitoring Report) (conditionally approved by EPA in a May 23, 2008 letter).

- The *Groundwater Management Area 1 NAPL Monitoring Report for Spring 2008* (Spring 2008 NAPL Monitoring Report*)* (conditionally approved by EPA in a November 25, 2008 letter).

1.3 Format of Document

The remainder of this report is presented in five sections. Section 2 provides a summary of pertinent background information concerning GMA 1, including descriptions of geologic conditions, the historical extent of NAPL, the active NAPL recovery systems, and the applicable NAPL-related Performance Standards under the CD. Section 3 provides an overview of GE's active groundwater and NAPL recovery systems and summarizes the recovery data from those systems. Section 4 presents the results of the fall 2008 NAPL monitoring/recovery activities at GMA 1. Section 5 contains an evaluation of the effectiveness of the current NAPL monitoring/recovery program at GMA 1. Finally, Section 6 presents the schedule for future field and reporting activities related to NAPL monitoring and recovery in GMA 1.

2. Background Information

2.1 General

As discussed above, the CD and SOW provide for the performance of groundwater-related monitoring and NAPL removal activities at a number of GMAs. Some of these GMAs, including GMA 1, incorporate multiple RAAs to reflect the fact that groundwater may flow between RAAs. GMA 1 encompasses 11 RAAs and occupies an area of approximately 215 acres (Figure 1). Several of these RAAs are known to contain NAPL in the subsurface. The RAAs within GMA 1 include:

- RAA 1 - 40s Complex;
- RAA 2 - 30s Complex;
- RAA 3 - 20s Complex;
- RAA 4 - East Street Area 2-South;
- RAA 5 - East Street Area 2-North;
- RAA 6 - East Street Area 1-North;
- RAA 12 - Lyman Street Area;
- RAA 13 - Newell Street Area II;
- RAA 14 - Newell Street Area I;
- RAA 17 - Silver Lake Area; and
- RAA 18 - East Street Area 1-South

GMA 1 contains a combination of GE-owned and non-GE-owned industrial areas, residential properties, and recreational areas, including land formerly owned by GE that has been, or will be, transferred to the Pittsfield Economic Development Authority (PEDA) pursuant to the Definitive Economic Development Agreement (DEDA). The Housatonic River flows through the southern portion of this GMA, while Silver Lake is located along the western boundary. Certain portions of this GMA originally consisted of land associated with oxbows or low-lying areas of the Housatonic River. Re-channelization and straightening of the Housatonic River in the early 1940s by the City of Pittsfield and the United States Army

Corps of Engineers (USACE) separated several of these oxbows and low-lying areas from the active course of the river. These oxbows and low-lying areas were subsequently filled with various materials from a variety of sources, resulting in the current surface elevations and topography.

The remainder of this section discusses pertinent background information concerning GMA 1, including a general description of the areas where NAPL is present, the types of NAPL found, and the applicable NAPL-related Performance Standards that must ultimately be achieved.

2.2 Hydrogeologic Framework

Over 500 monitoring wells and associated soil borings have been installed across GMA 1. Data collected at the time of soil boring/monitoring well installation (e.g., lithologic descriptions of the subsurface materials) and subsequent groundwater and NAPL monitoring at many of these locations have produced an extensive database of hydrogeologic information. Construction details of the GMA 1 wells monitored during fall 2008 are provided in Table 1. Although variations to the hydrogeologic setting within GMA 1 exist depending on the specific location and RAA, the available data support a general assessment of subsurface stratigraphy within GMA 1 and are sufficient for the purposes of this report. Relative to the presence of NAPL, there are two primary hydrogeologic units present throughout GMA 1 that are important to its extent, as briefly described below.

2.2.1 Geologic Overview

Unconsolidated Granular Deposits

This unit generally consists of heterogeneous fill materials overlying sands and gravels and is the upper unit within GMA 1. The sands and sandy gravels are well-sorted and were deposited as glacial outwash and/or in association with recent depositional processes within the Housatonic River. Isolated silty lenses and peat deposits may also be present locally, typically at depths corresponding to the bottom elevations of the river and the former oxbows. At certain locations within GMA 1, non-native fill materials are present above the natural granular deposits. The fill materials, where present, consist of sand, gravel, cinders, brick, glass, and other similar material.

The unconsolidated granular unit extends from ground surface to depths ranging from less than 5 feet (in the northern portion of GMA 1) to over 40 feet (in the southeastern corner of the GMA). The majority of the existing monitoring wells within GMA 1 are screened within this unit, as it is the upper and primary water-bearing unit within the GMA. Groundwater is encountered under unconfined conditions within this unit at depths between less than 3 feet to over 25 feet below ground surface (bgs). Groundwater generally occurs at shallower depths near the Housatonic River and in the East Street Area 1-South RAA.

Glacial Till

The till unit underlies the granular deposits and consists of approximately 20 to at least 40 feet of dense silt containing varying amounts of clay, sand, and gravel. Discontinuous sandy lenses also have been identified in the till at the Lyman Street Area RAA in the southwestern portion of GMA 1. Till is encountered relatively close to the ground surface at the higher elevation areas in the East Street Area 2-North RAA and in parts of the East Street Area 1-South RAA, but is otherwise generally encountered at depths beginning between approximately 20 to 50 feet beneath the remainder of GMA 1. The top of till elevation contours are illustrated on Figure 2. As shown on that figure, the till surface generally descends from north to south, although erosional depressions and ridges are evident across the surface.

The glacial till unit is much less permeable than the overlying granular deposits and serves as a hydraulic barrier to downward groundwater flow and potential constituent migration. Wells installed within the till are generally located in the East Street Area 2-North RAA, where the till serves as the uppermost water-bearing unit. Additionally, numerous soil borings and monitoring wells throughout GMA 1 have also been drilled to intercept the granular deposit/till interface to monitor for the potential presence of DNAPL along this hydrogeologic interface.

Localized Aquitards

In addition to the primary hydrogeologic units discussed above, portions of GMA 1 also contain localized aquitards that appear to be relatively thin and discontinuous. These aquitards occur within the unconsolidated granular unit and are composed of low permeability material such as peat and silt. These units are likely associated with over bank flood events and/or stagnant bog areas located between meanders of the Housatonic River channel that existed prior to straightening of the channel. Since these silt and peat layers have relatively low permeability relative to the surrounding materials, they may act as localized hydraulic barriers that impede vertical migration of constituents in groundwater. DNAPL has been observed at the top of such layers in several monitoring wells in the Newell Street Area II RAA and in and adjacent to portions of the East Street Area 2-South

RAA. The volume of DNAPL associated with these localized aquitards is relatively minor in comparison to DNAPL accumulations that are found within structural depressions in the top of the glacial till surface.

GE has developed representative geologic cross-sections across the primary GMA 1 NAPL areas that also incorporate information concerning the recent extent of NAPL in those areas. These figures are discussed in Section 2.3 below, in conjunction with the descriptions of the associated NAPL areas.

2.2.2 Groundwater Flow

Although variations occur in groundwater elevations at various wells or portions of GMA 1, overall groundwater flow patterns have remained relatively stable for several years. In general, groundwater flow is toward the Housatonic River from both the north and south, roughly mimicking surface topography. Other influences on groundwater flow include: Silver Lake; the recharge pond and slurry wall which are utilized to aid in hydraulic control efforts in East Street Area 2-South; and several groundwater/NAPL recovery systems which are pumped to induce hydraulic depressions in their vicinity. Groundwater flow conditions observed during fall 2008 display the typical patterns observed at GMA 1, and are discussed in more detail in Section 4.

2.3 Identification of Plant Site 1 NAPL Areas

The portions of GMA 1 where NAPL has been observed are discussed below. Figures 3 and 4 illustrate areas within GMA 1 that have been known to contain separate phase LNAPL or DNAPL, based on observations in monitoring wells. These figures represent a compilation of past investigations and show the maximum lateral extent of NAPL that has been observed and documented in prior GE reports, and are not indicative of current conditions. As discussed in Section 3 and 4, the extent of NAPL observed in fall 2008 is reduced from that shown on Figures 3 and 4. Figures 5 through 9 contain cross-sections illustrating the vertical extent of NAPL at the primary NAPL areas within GMA 1 (East Street Area 2-South, Lyman Street Area, and Newell Street Area II). The locations of those cross-sections are shown on Figure 1. Figures 11 and 12 present the lateral extent of LNAPL and DNAPL, respectively, based on fall 2008 monitoring data.

This section also describes the active groundwater and NAPL recovery systems that are located in GMA 1. Each recovery system consists of one or more recovery wells or caissons that serve as a point of recovery of groundwater, LNAPL, and/or DNAPL.

2.3.1 20s, 30s, and 40s Complexes

40s Complex (RAA 1)

NAPL presence within this area is related to hydraulic oils that were present within hydraulic cylinders associated with elevators in former Buildings 42 and 43. In former Building 42, an approximate 220-gallon release of hydraulic oil occurred on March 5, 1997 from a freight elevator hydraulic cylinder. Following reporting of the release in March 1997, GE implemented activities to recover the residual hydraulic oils not collected immediately following the initial release and to assess the potential for further migration of the released oils within the environment. Collectively, these activities included the decommissioning of the freight elevator, conversion of the abandoned hydraulic cylinder into an oil recovery well, initiation and performance of oil recovery operations, and investigations to assess the potential for subsurface migration of oils released from the elevator shaft. Installation of a downgradient monitoring well was also completed. GE operated the automated oil recovery system through December 2003 and collected weekly data concerning the depth to water and thickness of oil (if present). In February 2004, with EPA approval, GE decommissioned the elevator shaft and recovery system (i.e., removed the recovery system and sealed the elevator shaft with cement/bentonite grout) in preparation for the demolition of Building 42, at which time the upper vault area and basement were backfilled with clean backfill materials.

In former Building 43, hydraulic fluid was observed on April 7, 2004, during a pre-demolition inspection of an inactive elevator inside the building. Specifically, LNAPL was observed in a cylindrical shaft extending below the basement floor surface. The shaft, which consisted of a 12-inch diameter hydraulic piston, housed within a 23-inch diameter protective casing, extended approximately 62 feet below the basement floor slab. PCBs were detected in LNAPL samples collected from the annular space between the piston and outer casing within the elevator shaft and submitted for laboratory analysis. No volatile organic compounds (VOCs) were detected in a laboratory sample analyzed for these compounds. From April 2004 until April 2005, a weekly monitoring program was implemented to monitor LNAPL thickness. Approximately 175 gallons of LNAPL were recovered from the elevator shaft cylinder shortly after the initial observation, after which no LNAPL other than a thin film was observed at this location. As proposed in GE's November 5, 2004 letter to EPA and MDEP, and approved by EPA, monitoring activities were discontinued at this location in April 2005 in preparation for the demolition of the portion of former Building 43 above the elevator shaft.

After removal of the demolition debris was completed in April 2006, GE removed, drained and properly disposed of the hydraulic piston. On May 1, 2006, following removal of the hydraulic piston, an LNAPL thickness of approximately 4 feet was measured in the surrounding casing. GE informed EPA of these results and implemented a month-long program to measure and remove, as necessary, the LNAPL. For the first two weeks of this program, GE performed daily LNAPL monitoring and removal activities (if recoverable quantities of LNAPL were present) and on May 17, 2006, GE implemented a weekly program until May 31, 2006. Approximately 100 gallons of LNAPL were recovered form the hydraulic cylinder during the first week of this monitoring period, after which only a thin LNAPL film was observed. Therefore, it appears that the source of this second occurrence of LNAPL within the hydraulic cylinder was leakage from the hydraulic piston during removal activities and that all recoverable LNAPL was removed shortly after it was discovered. GE discussed the monitoring/LNAPL removal results with EPA and received verbal approval to complete the decommissioning of the elevator shaft on June 5, 2006. Shortly thereafter, GE sealed the elevator shaft with cement/bentonite grout up to the top of the hydraulic cylinder, leaving the upper vault area and basement to be backfilled with clean backfill materials in conjunction with the building demolition project.

30s Complex (RAA 2)

No separate phase NAPL has been detected in any monitoring wells in this RAA. Indications of the potential presence of NAPL were observed in a soil sample collected from a boring installed in December 2000 during the pre-design investigation at this RAA. In response to this observation, GE, with EPA concurrence, installed a monitoring well (GMA1-10) at this location and monitored the well for the presence of NAPL on a weekly basis for four months following its installation in June 2001. The monitoring frequency was reduced to monthly in October 2001, and further scaled back to quarterly in July 2002 (although this well and several others at the 30s Complex have been monitored on a monthly basis since July 2003 in conjunction with RD/RA activities at the Silver Lake area). Well GMA1-10 was decommissioned in December 2006 in preparation for upcoming redevelopment activities in this area.

NAPL was also observed in soil samples examined during the installation of replacement well RF-16R in December 2006, and a sheen was observed on water removed during development of the well. However, no measurable accumulations of NAPL have been detected in the well during subsequent monitoring activities. To date, separate phase NAPL has not been observed in any of the wells located within the 30s Complex, including well ES2-19, which was installed to monitor downgradient of the Building 42 elevator shaft hydraulic oil release discussed above.

20s Complex (RAA 3)

In the past, GE operated a tank farm area which was located in the eastern portion of the 20s Complex and utilized the area to the north of the 20s Complex in various manufacturing and storage capacities involving oil. A portion of the 20s Complex was also formerly utilized for coal-gas manufacturing and oil storage by the Berkshire Gas Company. LNAPL extends from East Street Area 2-North to East Street Area 2-South across the central to eastern portion of the 20s Complex. Although LNAPL in this area extends into the East Street Area 2-North RAA (discussed below), indicating an upgradient source, the former facilities located within the 20s Complex may also have released NAPL to the subsurface in the past.

2.3.2 East Street Area 2-North & South

East Street Area 2-South (RAA 4)

As shown on Figures 3 and 4, multiple areas and types of NAPL have been observed within various portions of this RAA, including an extension of the LNAPL which is present in East Street Area 2-North RAA and the 20s Complex RAA immediately north of East Street Area 2-South. Additional potential sources of LNAPL in the central to eastern portion of this area may include fill materials placed in Former Oxbow H and several facilities associated with the former Berkshire Gas Company coal-gas manufacturing and storage facility. LNAPL which is recovered from the automated recovery systems contains multiple constituents, typically including PCBs (primarily Aroclor 1260), polynuclear aromatic hydrocarbons (PAHs), chlorobenzene, ethylbenzene, toluene, and xylenes, 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene, among other constituents. Additionally, a small LNAPL pocket containing PAHs, chlorobenzene, and lesser quantities of PCBs (Aroclors 1254 and 1260) has been observed in the former Scrap Yard Area south of Building 64 (also referred to as the Materials Reclamation Area). LNAPL samples from two monitoring wells in this area (wells GMA1-15 and GMA1-16) were collected and analyzed in spring 2005. The results of that sampling were discussed in the Spring 2005 NAPL Monitoring Report.

Two types of DNAPL are present within this area: (1) Coal-tar DNAPL consisting primarily of PAHs (which are constituents associated with wastes from the former Berkshire Gas manufactured gas plant), as well as ethylbenzene, toluene, and xylenes, which have been observed within and along the eastern and western limbs of Former Oxbow H and beneath the Housatonic River; and (2) DNAPL containing PCBs (Aroclor 1260), along with chlorobenzene, 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene, which have been observed at scattered locations along Former Oxbow H, near Building 68, and other areas along the Housatonic River.

Figures 5 and 6 present hydrogeologic cross-sections prepared along the riverbank portion of East Street Area 2-South, including the results of NAPL observations made during the fall 2008 semi-annual monitoring event. The presence of DNAPL in certain low areas of the glacial till interface is evident on those figures.

East Street Area 2-North (RAA 5)

In the past, GE used portions of this area in various manufacturing operations, primarily the manufacture of electrical transformers and associated components. This area contained GE's primary transformer oil storage and distribution facilities. As a result, various oils (some containing PCBs) and other materials were released to the environment. The northern edge of the LNAPL plume which extends south across the 20s Complex and into East Street Area 2-South is located near the former location of Building 3C, and other isolated LNAPL occurrences have been observed to the east of this area, near Building 12Y, as shown on Figure 3. Prior to 1964, a portion of the GE facility referred to as the Building 12F Tank Farm was used for the storage of mineral oil dielectric fluid. LNAPL that has been observed in East Street Area 1-North (discussed below) may have originated from this former tank farm area. A small pocket of DNAPL, consisting primarily of PCBs (Aroclor 1260) and lesser amounts of 1,2,4-trichlorobenzene 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene, has also been observed near Building 12Y.

2.3.3 East Street Area 1-North & South

East Street Area 1-North (RAA 6)

As discussed above, LNAPL that may have migrated from the former Building 12F Tank Farm is present within the southern to central portion of this area. In addition, several underground storage tanks (USTs) were formerly utilized by prior property owners in the vicinity of Building 69, which is currently owned by GE. These USTs, which were removed prior to GE's purchase of the property in 1984, included a 10,000-gallon fuel tank (removed in 1960), a 5,000-gallon gasoline tank (removed in 1964), a 5,000-gallon diesel fuel tank (also removed in 1964), and a 1,000-gallon gasoline tank (removed in 1978). The removal permits for these non-GE owned USTs are on file with the City of Pittsfield Fire Department.

The LNAPL in this area contains relatively low levels of PCBs and is addressed by the Northside Recovery System. A physically separate LNAPL area has been observed to the east of this recovery system and extends south onto East Street Area 1-South.

East Street Area 1-South (RAA 18)

Two LNAPL areas have been documented in this RAA. The first and larger LNAPL area extends from north of East Street (in East Street Area 1-North) to slightly inside the boundary to East Street Area 1-South. This LNAPL is contained by the Southside Recovery System. The other area where PCB-containing LNAPL has been observed is to the west of the larger LNAPL zone, between the Northside and Southside Recovery Systems. PCB concentrations in this area have ranged from 4 to 122 ppm.

2.3.4 Lyman Street Area (RAA 12)

This area contains three of the 11 former oxbows or low-lying areas (Former Oxbows B, D, and E) of the Housatonic River which were filled in during the late 1930s and early 1940s as part of a joint program between the City of Pittsfield and the USACE to straighten the river channel and reduce flooding potential of the river. These oxbows were filled with materials originating from the GE facility, as well as other sources. LNAPL and DNAPL have been observed within and near Former Oxbow D, primarily beneath the former parking lot in the eastern portion of this RAA, as illustrated on Figures 3 and 4. The chemical composition of the two NAPL types is similar, in that both contain varying levels of PCBs (Aroclor 1254), PAHs, chlorobenzene, ethylbenzene, toluene, xylenes, 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene, among other constituents.

Hydrogeologic cross-sections prepared through NAPL-bearing regions beneath the former parking lot area are shown on Figures 7 and 8. As shown on Figure 7, DNAPL occurs within close vertical proximity of the top of the groundwater table due to the relatively shallow depth of the till confining layer in this area.

2.3.5 Newell Street Area II (RAA 13)

Former Housatonic River Oxbows F and G are located within this RAA. DNAPL is present within Former Oxbow G and beneath the former Newell Street parking lot at the locations shown on Figure 4. This DNAPL consists primarily of PCBs (Aroclor 1254), with lesser amounts of PAHs (mostly naphthalene and 2-methylnaphthalene), 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, toluene, tetrachloroethene, trichloroethene, and xylenes.

DNAPL is present within two areas: an upper DNAPL perched on silty sand and peat deposits and a lower DNAPL located above the top of the glacial till present at depths of approximately 30 to 40 feet below grade. The deeper DNAPL represents, by far, the more significant accumulation and is subject to collection by the automated recovery systems. A hydrogeologic cross-section illustrating the vertical distribution of DNAPL beneath Newell Street Area II is presented on Figure 9.

An isolated occurrence of LNAPL containing PCBs (Aroclor 1254), along with minor amounts of naphthalene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, and xylenes, and a measured specific gravity of approximately 0.9 has also been observed in well NS-10, beneath the southern corner of the former parking lot.

2.4 NAPL-Related Performance Standards

Under the CD and SOW, GE is required to perform monitoring, recovery, assessment, and other response activities related to NAPL until the applicable NAPL-related Performance Standards are ultimately achieved. The NAPL-related Performance Standards are set forth in Section 2.7 and Attachment H (Section 4.0) of the SOW. They consist of the following:

1. Containment, defined as no discharge of NAPL to surface waters and/or sediments, which shall include no sheens on surface water and no bank seeps of NAPL.

2. For areas near surface waters in which there is no physical containment barrier between the wells and the surface water, elimination of measurable NAPL (i.e., detectable with an oil/water interface probe) in wells near the surface water bank that could potentially discharge NAPL into the surface water, in order to prevent such discharge and assist in achieving groundwater quality Performance Standards.

3. For areas adjacent to physical containment barriers, prevention of any measurable LNAPL migration around the ends of the physical containment barriers.

4. For NAPL areas not located adjacent to surface waters, reduction in the amount of measurable NAPL to levels which eliminate the potential for NAPL migration toward surface water discharge areas or beyond GMA boundaries, and which assist in achieving groundwater quality Performance Standards.

5. For NAPL detected in wells designed to assess GW-2 groundwater (i.e., located at average depths of 15 feet or less from the ground surface and within a horizontal distance of 30 feet from an existing occupied building), a demonstration that constituents in the NAPL do not pose an unacceptable risk to occupants of such building via volatilization and transport to the indoor air of such building. Such

demonstration may include assessment activities such as: NAPL sampling, soil gas sampling, desk-top modeling of potential volatilization of chemicals from the NAPL (or associated groundwater) to the indoor air of the nearby occupied buildings, or sampling of the indoor air of such buildings. If necessary, GE shall propose corrective actions, including, but not limited to, containment, recovery, or treatment of NAPL and impacted groundwater.

In addition to these Performance Standards, GE has developed and implemented site-wide criteria for NAPL monitoring and manual recovery requirements, standard procedures for assessment of new NAPL occurrences, and the feasibility of the installation of new recovery systems. Those guidelines, which have been incorporated into GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP), are described below.

2.4.1 Manual NAPL Removal Criteria

During routine NAPL monitoring/removal activities at select GE monitoring wells, LNAPL accumulations observed in excess of 0.25 feet are manually removed at the time of monitoring. For DNAPL, accumulations in excess of 0.5 feet are manually removed. Exceptions to these criteria are in place for certain wells that are located either upgradient of sensitive receptors (i.e., any measurable quantities of NAPL are manually removed) or within the capture zone of automated recovery systems (i.e., no NAPL is manually removed). Any exception to the standard NAPL removal criteria applicable to a given well is shown in Table 2.

These manual removal criteria apply only during routine NAPL monitoring program events (i.e., weekly, monthly, and quarterly). No NAPL removal is required at wells monitored for other reasons between routine monitoring events (e.g., during well inventory inspections, or other non-routine data gathering activities) or in connection with GE's semi-annual NAPL monitoring round during the spring and fall quarterly monitoring events (due to the performance of a bailing round, as discussed below).

Approximately 1 to 2 weeks prior to the spring and fall semi-annual monitoring events, all wells where the presence of NAPL was observed during the prior year are monitored and any recoverable thicknesses of NAPL are manually removed (i.e., the bailing round). For those wells where NAPL was present, after allowing time for NAPL to return, the wells are monitored again as part of the semi-annual monitoring event and the data obtained are utilized to estimate the current thickness of LNAPL in the area. Due to the large number of wells included in the semi-annual monitoring program, and the desire to collect the groundwater elevation data from all wells in the same relative time period so as to provide a more accurate account of flow conditions, no manual removal of NAPL from monitoring wells is required during the actual semi-annual data collection event (i.e., the monitoring

round) for those wells from which NAPL had been removed in the bailing round. The purpose for performing the bailing and monitoring rounds is to confirm that the NAPL present in a well is representative of the surrounding formation and does not reflect remnant oil that may have accumulated in the well since the last manual removal. This uniform removal procedure also provides a consistent basis for comparison of data with future NAPL monitoring data.

If a measurable thickness of NAPL is observed during the spring or fall semi-annual monitoring event in a well that was not addressed during the bailing round, the NAPL is manually removed and the well is again monitored after approximately one week to gauge the NAPL thickness. The information obtained during that supplemental monitoring round is utilized in GE's assessment of the seasonal extent of NAPL.

2.4.2 Assessment of New NAPL Observations

This section describes the process utilized to investigate new or anomalous NAPL observations. Such observations may include either instrument detection of NAPL at a new location or detection of a type of NAPL not typically associated with a particular well (e.g., if DNAPL was observed in a monitoring well where LNAPL is typically observed). This process generally includes the following steps:

1. Confirmation that NAPL is actually present at the well by bailing or pumping the well to verify that an instrument error did not occur. Additionally, the NAPL will be physically observed in a jar to visually assess its relative density compared to water.

2. The GE Project Manager is notified of the new NAPL occurrence. The GE Project Manager will then arrange to make any required federal or state Agency notifications, as appropriate.

3. Initially, the monitoring frequency at the well will be modified to at least once per week for a period of at least one month, and any observed NAPL will be removed. If additional wells are located in the vicinity and screened at the appropriate interval, they will also be monitored for NAPL presence.

4. Based on the results of Steps 1 and 3 above, GE may recommend that: a) the well be further evaluated for the potential installation of an automated recovery system; b) additional soil borings/monitoring wells be installed in the vicinity; or c) enhanced NAPL monitoring/ recovery activities be implemented.

After completion of these initial assessment activities, monitoring and manual NAPL recovery (if NAPL thicknesses exceed the standard manual removal criteria) activities will revert to their normal intervals (unless more frequent monitoring is recommended), pending Agency approval of any recommendation made by GE.

2.4.3 Criteria for Installation of Automated Recovery Systems

To aid in the assessment of whether additional automated recovery systems are necessary and feasible at a given location where NAPL is present, several key factors should be considered, specifically:

- The presence of other nearby active NAPL recovery systems;
- Quantity of NAPL available (on a continuing basis) to be recovered;
- Migration potential of the NAPL (considering historical monitoring data and capture areas of existing recovery systems); and
- Technical feasibility and practicality of installing an automated recovery system.

Each of these factors is discussed in more detail below.

If there are already active NAPL recovery systems operating nearby, an assessment must be made as to whether the NAPL area in question will be addressed by the existing system. Additional automated recovery systems are generally not required for NAPL areas that are within the capture zone of an operating active recovery system or positioned upgradient of it, such that the NAPL will ultimately be addressed by the existing recovery system.

If the NAPL area is not already addressed by an existing system, it must be confirmed whether sufficient quantities of NAPL are moving into a well to justify the potential installation of a recovery system. This determination is made through the performance of a NAPL recovery test conducted over a 2- to 3-day period. NAPL is manually removed from the well, initially on an hourly basis, and the amount of NAPL returning to the well between each removal interval is measured and recorded. Depending on the recovery rate, the time intervals of manual removal during the recovery test may be increased or decreased from the initial hourly interval. If the average NAPL quantity that returns to the well over the duration of the test is significant (e.g., greater than 0.5 liter per hour, or greater than 6 to 12 inches per hour in a 2-inch well), the location may be deemed a potential candidate for an automated recovery system based on NAPL quantity. NAPL samples may also be collected during this test and analyzed for chemical and/or physical parameters if such data

do not already exist for the NAPL area in question. Physical testing will include specific gravity and viscosity. If warranted, interfacial tension may also be measured.

If it is determined that sufficient NAPL is potentially present, a more detailed analysis of NAPL migration potential is necessary to confirm whether operation of an automated recovery system is appropriate to address the NAPL occurrence and to obtain sufficient information to design such a system. This phase of the evaluation process will vary based on area-specific considerations, but will generally include:

- Assessment of the NAPL physical and chemical properties to assess the migration potential of the NAPL and to aid in selection of pumping equipment and disposal options.

- Assessment of factors that might limit NAPL migration, such as viscosity of the NAPL, soil types, hydraulic factors, and/or presence of existing physical containment barriers. NAPLs with limited potential to migrate offsite or toward surface water bodies may be more appropriately addressed through other measures, such as an enhanced manual removal program.

- Evaluation of potential migration pathways of the NAPL. This evaluation may include the installation and monitoring of sentinel wells (if none already exist) downgradient of the NAPL area. In some cases, installation of an automated recovery system may be deferred until downgradient migration of NAPL can be further assessed by routine monitoring of sentinel wells.

Finally, if after completion of the above evaluations it is determined that additional responses to the presence of NAPL are necessary, the physical characteristics of the area where the system would be located must be taken into consideration, as installation of a recovery system may not be practical in some areas. A generalized automated recovery system will involve a recovery well equipped with NAPL and/or groundwater removal pumps, a holding tank or vessel for the NAPL that is removed, and either piping to route purged groundwater to GE's treatment facility or a large holding tank to store groundwater for disposal (which would need to be accessible to a tanker truck). Some locations may not allow for the placement of these items due to physical or property ownership constraints. In those cases, it may be necessary to implement alternative response actions, such as increased manual monitoring/removal.

3. Historical NAPL Monitoring and Recovery Activities

3.1 General

This section describes the active groundwater and NAPL recovery systems that are located in GMA 1 at the following RAAs: East Street Area 2-South, East Street Area 1-North, East Street Area 1-South, Lyman Street Area, and Newell Street Area II. Each recovery system consists of one or more recovery wells or caissons that serve as the point of collection for groundwater, LNAPL, and/or DNAPL.

Certain of these recovery systems are equipped with a groundwater extraction pump that is operated to create a cone of depression within the water table. The cone of depression created by the extraction pump results in a groundwater gradient towards the recovery system, drawing water and oil into the perforated collection laterals, wells, or caissons for subsequent removal. In addition to physically removing NAPL, these systems also serve to provide hydraulic control, limiting the migration of NAPL from this area.

Depending on the quantity of NAPL in a certain area, some of the recovery systems are equipped with a groundwater extraction pump as well as an oil recovery pump to facilitate NAPL recovery. The oil recovery pump draws oil from the free surface in a well or caisson. The collected NAPL is then pumped into temporary storage units near the recovery well prior to collection and proper disposal by GE.

The recovery systems are checked on a weekly basis to ensure that all pumps are functioning properly. As part of these routine maintenance activities, measurements of groundwater and NAPL levels are collected and removal volumes are documented. The data obtained are summarized in GE's monthly reports on overall activities at the GE-Pittsfield/Housatonic River Site and serve as the basis for much of the discussion later in this report.

A brief description of each active recovery system within GMA 1 is provided in the following subsections. Boring logs and construction diagrams of the primary recovery systems are provided in Appendix A. Graphs illustrating overall historical NAPL recovery data from the GMA 1 RAAs are included in Appendix B, while groundwater and NAPL recoveries for the individual automated recovery systems are provided graphically in Appendices C and D for LNAPL and DNAPL recovery systems, respectively. Manual NAPL monitoring and recovery data for fall 2008 is tabulated in Appendix E (discussions of these manual NAPL recovery activities are included in Section 4). Appendix F contains data and graphs illustrating the efficiency of the East Street Area 2-South LNAPL recovery systems since 2000.

Condition No. 4 of EPA's June 20, 2003 conditional approval letter required GE to evaluate the efficiency (i.e., percentage of NAPL removed compared to total quantity of liquid removed) of the automated recovery systems at GMA 1. Consistent with prior NAPL monitoring reports submitted since that condition was implemented, this evaluation was performed for the primary East Street Area 2-South LNAPL recovery systems and those results are discussed below. NAPL recovery efficiency evaluations were limited to these systems for the following reasons:

1. The automated DNAPL recovery systems at GMA 1 do not remove groundwater; thus the efficiency is either 0% (during periods when no DNAPL is recovered) or 100% (when DNAPL is removed). These systems are best assessed by comparison of DNAPL recovery volumes to prior data.

2. The East Street Area 1-North and South recovery systems remove very little LNAPL in comparison to the amount of groundwater pumped as part of their hydraulic control functions. The "efficiency" of these systems is not properly measured in terms of the percentage of LNAPL recovered per unit of recovered groundwater, but in the degree of containment of LNAPL that the systems provide. Therefore, GE does not believe a detailed evaluation of the calculated efficiencies of these systems is appropriate.

3. Similar to the East Street Area 1-North and South recovery systems, the Lyman Street Area automated recovery systems do not remove significant quantities of LNAPL. In addition, the groundwater removal volumes from the three recovery systems in this area are tracked as a combined total, such that individual recovery well efficiencies cannot be calculated.

4. Finally, LNAPL recovery efficiencies were not assessed for certain recovery systems that are utilized solely as hydraulic control points (i.e., RW-2(X)) without any associated LNAPL recovery, or that employ LNAPL skimmers (i.e., well GMA1-17W) and do not remove groundwater as part of their operation.

The overall efficiency of each primary East Street Area 2-South automated recovery system since 2000 is presented in Section 3.2 below, while variations in efficiency during the current monitoring period are discussed in Section 5.2.1. Data and graphs illustrating the efficiency of the East Street Area 2-South LNAPL recovery systems are provided in Appendix F.

3.2 East Street Area 2-South

Nine active groundwater and NAPL recovery wells or caissons are present within East Street Area 2-South as illustrated on Figure 1. The recovery systems that are most important to LNAPL recovery and control are 64S, RW-1(S), 64V, RW-1(X), RW-2(X), and RW-4. Two other recovery caissons (64X(W) and 64R) are generally pumped at lower rates to facilitate oil recovery, but are not utilized to provide hydraulic control. An automated LNAPL removal skimmer system was installed in monitoring well GMA1-17 in fall 2007, which is located near Buildings 64G and 64T. This skimmer was installed as a replacement for a similar system in nearby well 40R, which was removed due to lack of recent productivity. Automated LNAPL recovery operations were initiated at recovery well RW-4 in January 2008. A DNAPL recovery system is also present in well RW-3(X). Those recovery systems where active groundwater and NAPL recovery are currently being performed are described below. Construction details of these systems are included in Appendix A and automated recovery data for LNAPL and DNAPL are presented in Appendices C and D, respectively. Data and graphs illustrating the efficiency of the East Street Area 2-South LNAPL recovery systems are provided in Appendix F.

Caisson 64R

Caisson 64 R is located approximately 350 feet south of East Street and 675 feet west of Newell Street, upgradient of Caisson 64V (discussed below) and the on-site recharge pond, as shown on Figure 1. Caisson 64R was installed in 1974 and consists of an 8-foot diameter caisson extending 24 feet bgs. The caisson is constructed of perforated steel pipe and includes a series of eight 8-inch oil collection laterals. Four of these horizontal laterals extend 150 feet in a southwestern direction and four extend 125 feet to the northeast. The laterals were installed at depths of 15.3 to 21.3 feet below grade.

Between May 1985 and November 1988, Caisson 64R was equipped with water-level and oil-level probes, a groundwater extraction pump, and a floating oil recovery pump for LNAPL removal. Approximately 79,000 gallons of NAPL were collected during this time period. Beginning in 1988, the 64V recovery system became operational and increased groundwater pumping into the nearby recharge pond subsequently took place. As a result, groundwater levels near the recharge pond (and within Caisson 64) increased above the elevation of the 64R collection laterals. Despite the operation of the groundwater depression pump, water levels in Caisson 64R consistently remained above the uppermost lateral, resulting in a decrease in LNAPL recovery efficiency. As a result, GE removed the groundwater depression pump in January 1989, and installed it in Caisson 64X(S) to improve oil recovery in that area. Periodic groundwater pumping from Caisson 64R resumed in July 1994. Since 1985, and through December 2008, a combined total of approximately 217,645 gallons of LNAPL have been removed from Caisson 64R and well

40R. LNAPL removed from Caisson 64R and well 40R (discussed below) had been tracked as a combined total since the installation of well 40R until November 2002. At that time, GE installed an inline flow meter in the NAPL removal piping of Caisson 64R. Since installation of the flow meter, approximately 18,260 gallons of LNAPL have been removed from Caisson 64R.

Since January 2000, a combined total of approximately 36,639 gallons of LNAPL and 45.4 million gallons of water have been removed from Caisson 64R and well 40R (all groundwater removal was from Caisson 64R), resulting in a combined LNAPL recovery efficiency of 0.081% for this system. Since separate LNAPL recovery tracking was initiated in November 2002, the LNAPL recovery efficiency for Caisson 64R has been 0.052%.

Well 40R

Well 40R is located approximately 350 feet south of East Street and 725 feet west of Newell Street, as shown on Figure 1. LNAPL in this area was previously removed from well 40, which consisted of a 2.5-inch PVC casing with a 2.5-inch PVC screen installed to a depth of 20 feet. An automated LNAPL removal system was installed in well 40 in September 1994 and operated until May 1995. To improve NAPL collection efficiency, well 40R was installed adjacent to well 40 in June 1995, and automated LNAPL recovery operations were relocated to the new well. As stated above, approximately 214,000 gallons of LNAPL have been removed from the 40/40R and 64R recovery systems through December 2005. Of this total, approximately 35,000 gallons can be specifically tracked to wells 40/40R during the period between October 1994 and January 1996. In November 2002, the 40R and 64R recovery systems were modified to record LNAPL collection data separately. As discussed above, GE installed an inline flow meter in the NAPL removal piping of Caisson 64R. The NAPL contribution from well 40R was calculated by subtracting the inline flow data from the total volume recorded in the LNAPL holding tanks. Those data indicate that approximately 217 gallons of LNAPL were removed from well 40R from November 2002 through December 2002.

In the Spring 2005 NAPL Monitoring Report, GE proposed to remove the well 40R skimmer system and transfer it to nearby well GMA1-17W, since no LNAPL had been recovered from well 40R since January 2003. Following EPA approval of that proposal, automated LNAPL recovery from well 40R was discontinued in October 2006 and a new skimmer system was activated at well GMA1-17W. Well 40R was added to GE manual NAPL monitoring and recovery program as a monthly monitoring point.

Well GMA1-17W

Well GMA1-17W is located approximately 300 feet south of East Street and 850 feet west of Newell Street, as shown on Figure 1. An automated LNAPL recovery system consisting of a floating skimmer, pneumatic bladder pump, compressor and tank-full shut off was installed in this well and activated on October 5, 2006. LNAPL is pumped into a 30-gallon steel closed-top DOT-approved container. The complete system is housed in a secure weather proof hazardous materials hut with an approximate 125 gallon capacity sump for spill containment purposes. A liquid level detection shut down mechanism within the sump operates as a back-up to the drum full shut off control. The LNAPL storage container is removed and replaced every thirty days (at a maximum), or when full. Since activation in October 2006, the GMA1-17W skimmer system has removed approximately 183 gallons of LNAPL.

Caisson 64S

Caisson 64S is located approximately 370 feet south of East Street and 1,170 feet west of Newell Street, as shown on Figure 1. Caisson 64S was installed in 1974 and originally consisted of an 8-foot diameter caisson extending to a depth of 15 feet. The shallow depth of Caisson 64S limited the capture zone of the oil recovery system, so the caisson was deepened to 28.5 feet on November 13, 1997 utilizing 2-foot diameter augers. Installed inside the caisson is a 1-foot diameter stainless steel well casing with a 25-foot long, 1-foot diameter stainless steel slotted screen.

The original caisson is constructed of concrete and includes five sets of 8-inch collection laterals. The sets of horizontal laterals extend in the following directions: 125 feet northeast, 80 feet northeast, 100 feet north, 100 feet north, and 100 feet northwest. The laterals were installed at depths between 7.5 and 11 feet. Construction details of Caisson 64S, including the collection system modifications implemented in 1997 and 2002, are included in Appendix A. This recovery well was further modified by GE in September 2002, with the installation of a solid steel sleeve around the inner 1-foot well casing to a depth of approximately 19 feet. The purpose of this sleeve is to reduce turbulence due to cascading water from the upper collection laterals in this caisson. This will allow a deeper groundwater depression level in the caisson and enhance the cone of depression.

Shortly after installation of the sleeve, the groundwater depression level was successfully lowered from approximately 972 feet to 963 feet. However, this increased drawdown did not result in a corresponding increase in LNAPL recovery. In fact, no LNAPL was recovered during pumping from within the steel sleeve during the first several months following its installation. LNAPL recovery resumed in April 2003 after the pumping system was moved back into the outer caisson, even though the pumping level was raised back up

to approximately 974 feet. As directed by EPA, GE purchased a second pump to place within the steel sleeve to allow pumping from both locations within this caisson. That pump was installed and dual pumping was initiated in early August 2003. The presence of LNAPL within the deeper sleeve was also documented at that time and LNAPL recovery volumes have increased since this modification.

Caisson 64S is equipped with dual water-level and oil-level probes (for both the inner and outer caisson sections), groundwater extraction pumps, and a floating oil recovery pump for LNAPL removal. Since 1983, approximately 262,196 gallons of LNAPL have been removed from Caisson 64S in conjunction with well RW-1(S). LNAPL removed from Caisson 64S and well RW-1(S) (discussed below) was tracked as a combined total since the installation of well RW-1(S) in 1998. In December 2002, the 64S and RW-1(S) recovery systems were modified to record LNAPL collection data separately. GE installed an inline flow meter in the NAPL removal piping of well RW-1(S) to identify the quantity of LNAPL being removed from that system. The NAPL contribution from Caisson 64S was calculated by subtracting the inline flow data from the total volume recorded in the LNAPL holding tanks. Utilizing this method, an LNAPL recovery of approximately 26,232 gallons has been tracked to Caisson 64S since the installation of the flow meter in December 2002.

Since January 2000 a combined total of approximately 53,300 gallons of LNAPL and 152 million gallons of water have been removed from Caisson 64S and well RW-1(S), resulting in a combined LNAPL recovery efficiency of 0.035% for this system. Since separate LNAPL recovery tracking was initiated in December 2002, the LNAPL recovery efficiency for Caisson 64S has been 0.050%.

Well RW-1(S)

Well RW-1(S) is located approximately 480 feet south of East Street and 1,400 feet west of Newell Street, as shown on Figure 1. Well RW-1(S) was put into operation in March 1998, and consists of a 1-foot diameter stainless steel well casing with a 1-foot diameter, 20-foot long, stainless steel slotted screen. The well was installed to a depth of 30 feet. Construction details of RW-1(S) are presented in Appendix A. Well RW-1(S) is equipped with a groundwater extraction pump and an oil recovery pump. The cone of depression created by the groundwater extraction pump is approximately 150 feet long and 100 feet wide. As discussed above, LNAPL removed from well RW-1(S) was combined with that from Caisson 64S until December 2002, when GE installed an inline flow meter in the NAPL removal piping of well RW-1(S). Since December 2002, approximately 3,640 gallons of LNAPL were removed from well RW-1(S). Small amounts of DNAPL (approximately 20 gallons since spring 1998) have also been periodically removed from this well.

As discussed above, the combined LNAPL recovery efficiency for the Caisson 64S and well RW-1(S) system since January 2000 is 0.035%. Since separate LNAPL recovery tracking was initiated in December 2002, the LNAPL recovery efficiency for well RW-1(S) has been 0.006%.

Caisson 64V

Caisson 64V is located approximately 200 feet north of the Housatonic River and 470 feet west of Newell Street, as shown on Figure 1. Caisson 64V has been in operation since April 1988, and extends to a depth of 30 feet. The caisson contains a 2-foot diameter stainless steel well casing with a 2-foot diameter, 20-foot long, stainless steel slotted screen. The caisson is located immediately upgradient from a subgrade slurry wall (discussed below) that provides additional physical containment and assists in the hydraulic control of LNAPL in the area.

Caisson 64V is equipped with water-level and oil-level probes, a groundwater extraction pump, and an oil recovery pump for LNAPL removal. The cone of depression around the caisson extends approximately 350 feet in an east to west direction and as far north as 200 feet. Since 1988, approximately 354,317 gallons of LNAPL have been removed from Caisson 64V. In addition to the LNAPL removal, DNAPL also periodically accumulates in the base of Caisson 64V and is removed by manual pumping. From 1997 to 1999, approximately 127 gallons of DNAPL were pumped from Caisson 64V. Since that time, approximately 33 gallons of DNAPL have been removed by this system. The LNAPL recovery efficiency for the Caisson 64V recovery system since January 2000 is 0.065%, based on an approximate LNAPL removal volume of 73,980 gallons and a groundwater removal volume of 113.4 million gallons during this timeframe.

Oil Recovery System 64X

Oil recovery system 64X was installed in 1974 and has been operating since 1985. The system consists of three Caissons: 64X(N), 64X(S), and 64X(W), as shown on Figure 1. Caisson 64X(N) is located approximately 160 feet north of the Housatonic River and 515 feet west of Newell Street. Caisson 64X(N) is approximately 9.5 feet in diameter and is installed to a depth of approximately 15 feet. Caisson 64X(S) is located approximately 60 feet north of the Housatonic River and 430 feet west of Newell Street. Caisson 64X(S) is 7 feet in diameter, extends to a depth of 20 feet, and includes a series of horizontal 8-inch diameter oil collection laterals to facilitate LNAPL removal. Caisson 64X(W) is located approximately 70 feet north of the Housatonic River and 530 feet west of Newell Street. Caisson 64X(W) is approximately 5 feet in diameter and is installed to a depth of approximately 17.5 feet. All three caissons are constructed with perforated steel pipe.

Oil collection laterals, which extend from depths of approximately 10 to 15 feet, are contained in a trench that extends between Caissons 64X(W) and 64X(S). The trench is approximately 3-feet wide and filled with gravel. The south (downgradient) wall of the trench, parallel to the riverbank, is lined with a 1-foot thick layer of clay and a high-density polyethylene liner to impede NAPL from flowing out of the trench.

Originally, the Caisson 64X oil recovery system contained oil recovery pumps and water-level and oil-level probes. The oil recovery pumps were upgraded with automatic timers in May 1988, and a groundwater extraction pump was installed in Caisson 64X(W) in January 1989 to lower the groundwater table. The groundwater extraction pump was removed in October 1993 when well RW-2(X) was installed. Groundwater pumping and automated LNAPL recovery were resumed at this well in August 1994. Although it is not necessary to pump groundwater from the 64X system to provide hydraulic control in this area, groundwater is removed from Caisson 64X(W) to facilitate enhanced LNAPL recovery.

Approximately 45,176 gallons of LNAPL have been removed from system 64X in conjunction with recovery well RW-1(X). The majority of LNAPL was collected between 1985 and 1987, solely from the 64X system. Until October 2002, LNAPL removed from the 64X system and well RW-1(X) (discussed below) was tracked as a combined total. Beginning at that time, GE recorded the NAPL volume in the holding tank before and after activation of the manually-operated NAPL removal pump at well RW-1(X) to identify the amount of LNAPL removed by that system. Subtraction of the manual removal from the total NAPL present in the holding tank volume yields the quantity of NAPL originating from the 64X system. Since October 2002, approximately 1,732 gallons of LNAPL have been recovered by recovery system 64X.

Since January 2000 a combined total of approximately 3,153 gallons of LNAPL and 103 million gallons of water have been removed from the 64X/RW-1(X) systems, resulting in a combined LNAPL recovery efficiency of 0.003%. Since separate LNAPL recovery tracking was initiated in October 2002, the LNAPL recovery efficiency for the 64X system has been 0.005%.

Well RW-1(X)

Well RW-1(X) is located approximately 70 feet north of the Housatonic River and 500 feet west of Newell Street, as shown on Figure 1. RW-1(X) was installed on November 25, 1992, and consists of an 8-inch diameter stainless steel well casing with an 8-inch diameter, 15-foot long, slotted stainless steel screen. The well extends to a depth of 24 feet. Pumping of the well was initiated on December 7, 1992.

RW-1(X) is equipped with a groundwater extraction pump and a manually-activated LNAPL recovery pump. The pumping of RW-1(X), coupled with RW-2(X) (discussed below), produces two overlapping cones of depression that provide hydraulic control near the riverbank and locally reverse the natural groundwater gradients so that groundwater flows toward the recovery well instead of the Housatonic River. Until October 2002, LNAPL removed from the 64X system (discussed above) and well RW-1(X) was tracked as a combined total. To determine the LNAPL contribution from well RW-1(X), GE has recorded the NAPL volumes in the common holding tank before and after activation of the NAPL removal pump. Since October 2002, approximately 68 gallons of NAPL were recovered by well RW-1(X).

As discussed above, the combined LNAPL recovery efficiency for the 64X/RW-1(X) systems since January 2000 is 0.003%. Since separate LNAPL recovery tracking was initiated in October 2002, the LNAPL recovery efficiency for well RW-1(X) has been 0.0002%.

Well RW-2(X)

Well RW-2(X) is located approximately 65 feet north of the Housatonic River and approximately 560 feet west of Newell Street, as shown on Figure 1. Well RW-2(X) was installed on October 27, 1993, and is constructed of an 8-inch diameter stainless steel well casing with an 8-inch diameter, 15-foot long, slotted stainless steel screen. The well extends to a depth of 24 feet. Pumping of well RW-2(X) began on November 12, 1993. RW-2(X) is equipped with a groundwater extraction pump that, along with the groundwater depression pump in well RW-1(X), provides hydraulic control near the riverbank and locally reverses the natural groundwater gradients (toward the river). A separate oil recovery pump is not present in RW-2(X) since significant quantities of LNAPL have never accumulated in this well.

Well RW-3(X)

Well RW-3(X) is located approximately 65 feet north of the Housatonic River and 430 feet west of Newell Street, along the riverbank near the 64X recovery system, as shown on Figure 1. Well RW-3(X), installed on September 13, 1999, was constructed of a 6-inch diameter PVC riser and a 10-foot long, slotted PVC and stainless steel wire wrapped screen. The well extends to a depth of 47 feet. Well RW-3(X) was specifically designed to remove the coal-tar DNAPL present in the riverbank area. Initially, DNAPL accumulations were manually pumped from RW-3(X) until the construction of an automated pumping system was completed in June 2000. Approximately 5,237 gallons of DNAPL have been removed from well RW-3(X) since it was installed.

Well RW-4

Well RW-4 is located approximately 300 feet north of the Housatonic River in the Former Scrapyard Area, as shown on Figure 1. Well RW-4, installed on July 25, 2007, was constructed of a 12-inch diameter stainless steel riser and a 20-foot long, slotted stainless steel screen. The well extends to a depth of 30 feet. Recovery was initiated at well RW-4 in January 2008. No LNAPL was removed from this well in 2008. Approximately 6.4 million gallons of water were removed from this area. As shown in Figure 13, a localized cone of depression has been created in the area of this well. In January 2009, the pumping rate at this well was increased to determine if additional drawdown in this well would enhance LNAPL recovery efforts in this area.

Additional Containment/Hydraulic Control Features

In addition to the active recovery systems at East Street Area 2-South, several physical barriers have been constructed to control groundwater flow and/or restrict NAPL migration. These features include a subgrade slurry wall, a groundwater recharge pond, and a series of sheetpile containment barriers.

The slurry wall is located to the east of the eastern limb of the former river oxbow in the southeastern portion of East Street Area 2-South and was installed in August 1987. This 350-linear foot, V-shaped slurry wall (extending approximately 200 feet to the east and 150 feet to the west of the center point) is completed to an average depth of 28 feet. Caisson 64V is located immediately upgradient of the center of the slurry wall, while the groundwater Recharge Pond is located to the west. In combination, these items provide physical containment of LNAPL and assist in the hydraulic control in the area. The 64X, RW-1(X), and RW-2(X) recovery systems are located downgradient of the slurry wall to recover LNAPL present between the slurry wall and the river.

Several sheetpile containment barriers are in place along the riverbank portion of East Street Area 2-South. The largest barrier, referred to as the 64X Area Sheetpile, is located along the riverbank near the eastern limb of the former oxbow. This barrier is approximately 400 feet long and extends to a depth of approximately 28 feet. This wall primarily serves to prevent LNAPL and shallow DNAPL migration toward the river, although the western portion of the barrier also impedes deeper DNAPL migration, as it is placed below the glacial till interface. It also provides a partial barrier to groundwater which is impeded by the wall and removed by the RW-1(X), RW-2(X), and 64X(W) pumping wells. Four smaller sheetpile containment barriers (Cell G1, Cell G2, Cell G3, and Cell J1) were constructed along the riverbank portion of East Street Area 2-South during the Upper ½-Mile Reach Removal Action to address observations of NAPL during excavation activities. These barriers range from approximately 90 to 120 feet in length and extend to depths between 21

and 30 feet below grade. The Cell G1 and Cell J1 barriers are keyed into the glacial till, while the Cell G2 and Cell G3 barriers terminate above the till interface. A series of monitoring wells, consisting of a perimeter well at each end of the barrier and a well behind the center of the barrier, were installed to monitor groundwater elevations and potential NAPL presence near each of these barriers. Finally, an approximately 130-foot sheetpile barrier extending into till to a depth of approximately 30 feet is located to the south of the 60s Complex. This barrier was installed in conjunction with remediation activities performed in the Building 68 Area.

Groundwater removed from the GMA 1 recovery systems is pumped to the Building 64G groundwater treatment facility for processing. After treatment, the majority of the water is discharged to the Housatonic River through NPDES-permitted Outfall 005. However, as part of GE's overall efforts to contain NAPL within the Site and to optimize NAPL recovery operations, a portion of the treated water discharged from the 64G facility is routed to GE's on-site recharge pond (located west of recovery well 64V). Discharge to this pond results in a higher groundwater elevation relative to the surrounding area, which serves as a hydraulic barrier to LNAPL migration. Since April 1988, the elevation of the recharge pond has been controlled via an "Electrogauge" level controller. Between April 1988 and October 1990, the elevation of the recharge pond was held at approximately 985 feet above mean sea level (AMSL). In October 1990, the elevation of the recharge pond was reduced to 984 feet AMSL. In September 1994, the elevation of the pond was reduced again to 983 feet AMSL to decrease the size of the groundwater "mound," while still maintaining the necessary hydraulic barrier. Approximately 29.9 million gallons of water were removed by the GMA 1 recovery systems and sent to the Building 64G groundwater treatment facility for processing in fall 2008. Of this total, approximately 95 percent of the treated groundwater was discharged to the Housatonic River, while the remaining 5 percent was discharged to the recharge pond.

3.3 East Street Area 1-North & South

3.3.1 East Street Area 1-North

The Northside Recovery System is located on the north side of East Street, approximately 200 feet east of the intersection of Newell Street and East Street, as shown on Figure 1. This system was installed in 1979, and consists of a 6.75-foot diameter perforated steel caisson equipped with 22 six-inch diameter, 80-foot long perforated collection laterals (11 on the east side of the caisson and 11 on the west side). The laterals begin at a depth of 7.5 feet bgs and extend to 18.5 feet, and have a vertical collection range sufficient to intercept seasonal variations in the water table. Construction details for the Northside Recovery System are provided in Appendix A.

The Northside Recovery System is equipped with a groundwater extraction pump to create a cone of depression and an oil recovery pump to remove LNAPL from the groundwater surface. The Northside Recovery System discharges the pumped water to GE's Building 64G treatment facility located in East Street Area 2-South. Collected oil is removed from the caisson periodically by GE and properly disposed. Since 1980, the Northside Recovery System has removed approximately 1,211 gallons of LNAPL. LNAPL and groundwater recovery data for this system are included in Appendix C.

3.3.2 East Street Area 1-South

The Southside Recovery System is located on the south side of East Street, approximately 400 feet east of the intersection of Newell Street and East Street. This system was installed in 1986, and consists of a perforated, pre-cast, concrete caisson extending to a depth of 16 feet.

The Southside Recovery System is equipped with a groundwater extraction pump and an oil recovery pump and essentially operates in the same manner as the Northside Recovery System in East Street Area 1-North. The groundwater extraction pump induces a cone of depression in the local water table and the oil recovery device recovers LNAPL floating on top of the groundwater. Since 1986, approximately 550 gallons of LNAPL have been removed via the Southside Recovery System. As required in Condition 8 of EPA's November 25, 2008 conditional approval letter regarding the Spring 2008 NAPL Monitoring Report, an inspection of this system was performed on January 29, 2008. The recovery system was observed to be in good operational order and no issues were identified.

3.4 Lyman Street Area

Three active groundwater and NAPL recovery wells (RW-1R, RW-2, and RW-3) are located within the Lyman Street Area. In addition, one former recovery well (RW-1) was located in this area until it was decommissioned in fall 2007. The combined capture zone of these three wells extends over 350 feet along the edge of the Housatonic River, capturing and reversing groundwater flow in the vicinity. Together, these wells, in conjunction with a sheetpile barrier installed in July 2002, provide control in the prevention and abatement of bank seeps or sheens along the Housatonic River. Each of these recovery systems is described below.

Wells RW-1/RW-1R

Recovery well RW-1 was located approximately 50 feet north of the Housatonic River and 220 feet east of Lyman Street, as shown on Figure 1. RW-1 was installed on April 9, 1991, and was constructed of a 2-foot diameter stainless steel well casing with a 2-foot diameter, 10-foot long, slotted stainless steel screen installed to a depth of 18 feet. Active groundwater extraction was initiated on August 10, 1992.

Because of apparent well screen fouling, well RW-1 was replaced by well RW-1R for active LNAPL recovery purposes in September 1998 and was manually monitored until August 2007, when it was decommissioned (with EPA approval) in conjunction with soil Removal Actions and placement of an engineered barrier at the Lyman Street Area RAA. DNAPL accumulations have been periodically observed at the base of well RW-1 since shortly after its installation. Over 565 gallons of DNAPL were manually removed from well RW-1 and properly disposed of by GE. Approximately two-thirds of this total was removed between 1992 and 1994.

Well RW-1R, located approximately 25 feet southeast of former recovery well RW-1, consists of a 1-foot diameter stainless steel well casing with a 1-foot diameter, 10-foot long, slotted stainless steel wire wound screen extending to 20 feet. Construction details for well RW-1R are presented in Appendix A. RW-1R is equipped with automatic level sensors for NAPL and groundwater and a centrifugal pump for groundwater extraction. LNAPL is recovered using a surface-mounted gear pump and adjustable intake hose. LNAPL recovery measures are initiated manually and NAPL is periodically removed by GE for proper disposal. Since September 1995, the extracted groundwater has been pumped directly to GE's Building 64G groundwater treatment plant for processing. Prior to that time, extracted groundwater was treated on site at a portable groundwater treatment facility. Since 1992, approximately 500 gallons of LNAPL have been removed from RW-1 and RW-1R.

Well RW-2

Well RW-2 is located approximately 40 feet north of the Housatonic River and 350 feet east of Lyman Street, as shown on Figure 1. This well was installed on November 5, 1992 to a depth of 22 feet, and is constructed of an 8-inch diameter stainless steel well casing with an 8-inch diameter, 10-foot long, slotted stainless steel screen. The well was activated on November 20, 1992. Well RW-2 is operated solely as a groundwater extraction well, as no NAPL has been observed in this well. It is equipped with an automatic groundwater level sensor and a centrifugal pump for groundwater extraction.

Well RW-3

RW-3 is located approximately 50 feet north of the Housatonic River and 70 feet east of Lyman Street, as shown on Figure 1. RW-3 was installed in July 1996, and is constructed of a 2-foot diameter stainless steel well casing with a 2-foot diameter, 11-foot long, slotted stainless steel screen. The well was activated on August 19, 1996.

RW-3 is equipped with automatic level sensors for NAPL and groundwater and a centrifugal pump for groundwater extraction/hydraulic control. LNAPL is recovered using a surface-mounted gear pump and adjustable intake hose. LNAPL recovery measures are similar to RW-1/RW-1R, in that they are initiated manually for subsequent removal and proper disposal. Extracted groundwater is pumped to the 64G groundwater treatment plant. Since 1996, approximately 2,224 gallons of LNAPL have been removed via well RW-3.

Additional Containment/Hydraulic Control Features

As part of the source control activities and Upper ½-Mile Reach Removal Action, a 400-foot long sheetpile containment barrier was constructed along the northern riverbank to the east of Lyman Street. This sheetpiling serves as a barrier to groundwater, LNAPL, and DNAPL migration, extends to a depth of approximately 23 feet below grade, and is keyed into the glacial till. Although all known occurrences of LNAPL are located to the north (upgradient) of the limits of the sheetpile barrier, DNAPL has also been detected at certain wells located to the west of the sheetpile barrier, including wells LSSC-07, LSSC-08I, and LSSC-16I.

3.5 Newell Street Area II

GE operated two automated DNAPL recovery systems (System 1 and System 2) within Newell Street Area II from 1999 until July 2005, when automated recovery operations were temporarily suspended (with EPA approval) to allow soil Removal Actions and placement of an engineered barrier to be conducted at the Newell Street Area II RAA (after the completion of which, as discussed below, GE resumed automated DNAPL recovery utilizing an upgraded recovery system). Each system was composed of multiple recovery wells installed to the top of the till confining unit and connected via common DNAPL collection systems. System 1 consisted of wells NS-15, NS-30, and NS-32 located near the western corner of the Newell Street parking lot, between 50 and 100 feet south of the Housatonic River. System 1 became operational on March 1, 1999. Approximately 2,280 gallons of DNAPL were removed by System 1 from 1999 until its shutdown in July 2005.

Originally, System 2 consisted of only well N2SC-01I, which was put into operation on July 15, 1999. Wells N2SC-02 and N2SC-03I were added to the recovery system on June 30, 2000, and well N2SC-14 was added to the system on July 10, 2000. Well N2SC-02 was removed from the recovery system in August 2003, based on the results of DNAPL recovery testing that showed a lack of DNAPL entering the well. From 1999 until its temporary shutdown in 2005, approximately 33,000 gallons of DNAPL were recovered via System 2. DNAPL recovery data are summarized in Appendix D.

In anticipating of the commencement of work on the Removal Action for Newell Street Area II, GE submitted a letter to EPA dated March 16, 2005 (conditionally approved by EPA in a letter dated May 2, 2005). In that letter, GE proposed that DNAPL recovery testing be conducted on each of the Newell Street Area II recovery wells to delineate potential modifications to optimize the recovery systems prior to the performance of Removal Actions and placement of an engineered barrier at the Newell Street Area II RAA. The results of that testing and specific proposals to take System 1 offline and upgrade System 2 were provided in letters to EPA dated June 7, 2005 and June 23, 2005. In particular, in an effort to reduce the number of wells penetrating the engineered barrier, GE proposed the abandonment of certain existing monitoring wells and DNAPL recovery wells, the permanent shutdown of automated DNAPL recovery System 1 (to be accompanied by the initiation of manual DNAPL monitoring on a periodic basis), and the reconfiguration of DNAPL recovery System 2. Specifically, at System 2, GE proposed a temporary shutdown during construction, followed by resumed DNAPL recovery operations at wells N2SC-14 and two new 6-inch diameter recovery wells located adjacent to, and to replace, wells N2SC-1I and N2SC-3I. GE also proposed to remove the current System 1 DNAPL collection piping and storage shed and consolidation of all future DNAPL collection and storage into the existing System 2 trailer. GE also proposed to continue manual DNAPL removal at well N2SC-08. Those two letters were conditionally approved by EPA in a letter dated July 12, 2005.

The automated DNAPL recovery systems for Newell Street Area II were shut down on July 25, 2005 pursuant to EPA approval of GE's June 7, 2005 and June 23, 2005 proposals. Each system was disconnected from the associated recovery wells, the above-grade recovery system piping networks were drained and dismantled, and the System 1 control shed was removed. Two larger diameter replacement recovery wells (N2SC-1I(R) and N2SC-3I(R)) have been installed adjacent to former recovery wells N2SC-01I and N2SC-03I. Construction details for these wells are included in Appendix A. The new recovery system was completed and activated on August 30, 2006. Since activation in August 2006, approximately 2,550 gallons of DNAPL were removed by the upgraded System 2.

4. Fall 2008 NAPL Monitoring and Recovery Activities and Results

4.1 General

This section describes the results of the NAPL/groundwater elevation monitoring and NAPL recovery activities performed by GE within GMA 1 from July through December 2008 (henceforth referred to as fall 2008), including the October 2008 semi-annual monitoring event and other routine monitoring conducted during that period. These activities primarily include the operation of the GMA 1 automated NAPL and groundwater recovery systems, the routine measurement of groundwater elevations and NAPL thickness (if present), and the manual removal of NAPL if sufficient thickness is present. These activities were performed in accordance with GE's approved Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP).

The results of these activities are summarized below for each RAA within GMA 1. GE has also prepared several tables and figures to assist in the interpretation of the fall 2008 monitoring data. The tables show: the amounts of LNAPL and DNAPL, as well as groundwater, recovered from the automated recovery systems on a month-by-month basis in fall 2008 and for comparison, during the same time period in 2007 (Tables 3 and 4 for LNAPL and DNAPL, respectively); the seasonal groundwater elevation data and the type of monitoring (based on well screen placement) applicable to each well in fall 2008 (Table 5); a summary of the groundwater elevation and LNAPL/DNAPL thickness observations or each well within GMA 1 from which data was obtained during monitoring activities performed in fall 2008 (Table 6); and a summary of groundwater elevation and NAPL observation/recovery data obtained from all monitoring activities performed within GMA 1 in fall 2008 (Table 7). The figures present LNAPL and DNAPL recoveries in graphical form (Appendices B, C, and D); a groundwater elevation contour map based on the water table data collected during the fall 2008 semi-annual monitoring event (Figure 10) and the approximate extent of LNAPL and DNAPL within GMA 1 in fall 2008 (Figures 11 and 12, respectively). In addition, as directed by EPA in its November 14, 2006 conditional approval letter, GE has also included a detailed groundwater elevation contour map for the former scrapyard area near Building 68 (Figure 13). GE has also included a detailed groundwater elevation contour map for Newell Street Area II (Figure 14). The complete fall 2008 manual NAPL monitoring and recovery data set is provided in Appendix E, along with graphs illustrating groundwater elevations and NAPL thicknesses for selected representative GMA 1 wells. Per Condition 4 of EPA's November 25, 2008 conditional approval letter for the Spring 2008 NAPL Monitoring Report, GE has included the flow of the Housatonic River during the fall monitoring round, as measured at the USGS 01197000 East Branch Housatonic River gauging station at Coltsville, Massachusetts, as part of Appendix E. That data is also included in Appendix G, along with Housatonic River flow information from the Coltsville gauging station over the entire fall 2008 period.

It should be noted that in comparing the fall 2008 elevation data with the fall 2007 data, the comparisons of groundwater elevation data were based on the water table data collected during the fall semi-annual monitoring events, while the NAPL recovery comparisons utilize the volumes recovered over the entire July-December periods of each year. These comparisons are discussed in the following sections. Pursuant to condition 4 of EPA's November 25, 2008, conditional approval letter, GE used best efforts and monitored all wells in GMA 1 subject to semi-annual monitoring within a one week time period, between October 27-31, 2008.

Approximately one month prior to the semi-annual monitoring event, GE monitored all wells in these areas where the presence of NAPL was noted during the prior year and manually removed any NAPL that was present. During the actual semi-annual monitoring event, if NAPL was found in a well that was not addressed during the bailing round, GE removed the NAPL and returned to monitor the well a week later. The purpose of the bailing round is to ensure that any NAPL present in a well is also present in the surrounding formation and not remnant oil which may have been trapped in the well since the prior semi-annual event. These bailing round activities provide a consistent basis to compare the current presence and thickness of NAPL between wells that may otherwise be subject to varying NAPL removal schedules.

Groundwater elevation contour maps prepared utilizing the fall 2008 semi-annual monitoring data from water table wells are presented on Figures 10, 13, and 14. Monitoring for the fall 2008 monitoring event took place on October 27-31, 2008. Typical of results from prior monitoring events, overall groundwater flow patterns converge toward the Housatonic River from both the north and south, except where influenced by features such as Silver Lake, the recharge pond, or by recovery systems which are pumped to induce hydraulic depressions in their vicinity. The detailed groundwater elevation contour maps for the former scrapyard area near Building 68 (Figure 13) and for Newell Street Area II (Figure 14) show a flow pattern consistent with the overall GMA figure. Specifically, groundwater flow at each area is toward the Housatonic River. At the former scrapyard area, the groundwater gradient decreases significantly compared to the area immediately upgradient. This figure also shows the influence of the operation of recovery well RW-4. A similar flattening of groundwater gradients when approaching the river is present at Newell Street Area II, but to a lesser extent than observed at the former scrapyard area.

One well (95-16) in the 30s complex was noted as demolished and well 46 in East Street Area 1-South was noted as partially paved over during the fall 2008 semi-annual monitoring event. Well CC (30s Complex) and three wells (10, 40R, and E2SC-21) in the East Street Area 2-South RAA were dry during the semi-annual monitoring event. Wells LS-43 (Lyman Street), A-7 (East Street Area 2-North), ES2-15, and ES2-17 (East Street Area 2-South) were replaced in fall 2008 as they were found to be unusable during maintenance and/or

attempts at redevelopment. In addition, several wells that were added to GE's groundwater quality monitoring program in fall 2008 were also utilized as groundwater elevation monitoring points.

Per Condition 2 of EPA's June 30, 2003 conditional approval letter, riverbank inspections are conducted on a semi-annual basis and after recession of a high flow event (i.e., greater than 1,000 cubic feet per second), as recorded at the Coltsville USGS gauging station. On October 31, 2008, a semi-annual bank inspection along the Housatonic River was conducted to examine the riverbank area adjacent to GMA 1 for the presence of NAPL seeps or sheens, since no high flow events had occurred during the fall 2008 period prior to that date. A high flow event (1,940 cfs) did occur, however, on December 12, 2008 and, therefore, an inspection was conducted on December 16, 2008 with oversight by a representative of EPA. No NAPL or NAPL-related seeps or sheens were observed during either inspection. These observations are consistent with prior riverbank inspections. The riverbank inspection results are documented in Appendix G. Also included in Appendix G is GE's riverbank inspection protocol, prepared pursuant to Condition 9 of EPA's November 25, 2008 conditional approval letter.

4.2 East Street Area 2-North & South, 20s, 30s, and 40s Complexes

4.2.1 40s Complex

Given the relatively small size of the area and prior NAPL investigation results (i.e., NAPL occurrence limited to two former elevator shafts), well 95-17 is the only well within this area that is included in the NAPL monitoring program (subject to semi-annual monitoring). This well was also monitored in the prior two monitoring rounds (spring 2008 and fall 2007). Groundwater elevations were approximately 0.5 foot higher than those observed in fall 2007. The fall 2008 monitoring results are summarized in Tables 6 and 7 and the complete data set is included in Appendix E.

4.2.2 30s Complex

GE collected groundwater elevation data from five monitoring wells in the 30s Complex. Groundwater elevations were higher (approximately 1.2 feet on average) in fall 2008 than were observed in this area during the prior fall. No NAPL was observed at any of the 30s Complex wells, including well ES2-19, which is located downgradient of the former Buildings 42 and 43 elevator shafts.

4.2.3 20s Complex

GE measured groundwater elevations and assessed the potential presence of LNAPL at 11 monitoring wells located within the 20s Complex during fall 2008. Groundwater elevations were higher (approximately 2.4 feet on average) in fall 2008 than the elevations observed in this area during the prior fall. In fall 2008, LNAPL was observed in wells II, QQ-R and U during both the bailing round and the monitoring round. LNAPL was also observed as present in well GG during the semi-annual monitoring round. In fall 2007, LNAPL was observed in monitoring wells CC, II, and U during the monitoring round, and in well Y during the bailing round only. Well CC was noted as dry or obstructed during the last two monitoring attempts. This well is scheduled to be modified during upcoming grading activities in this area. Prior to performing those modifications, GE will inspect the well and determine whether the entire well should be replaced, rather than raised to match the future grade.

Each of the wells containing LNAPL was bailed prior to the fall semi-annual monitoring event. Approximately 0.016 gallon of LNAPL was removed from this area in fall 2008, compared to approximately 0.005 gallon of LNAPL which was removed from this area in fall 2007. The fall 2008 monitoring results for the 20s Complex are summarized in Table 7 and a detailed breakdown is provided in Appendix E.

4.2.4 East Street Area 2-South

Groundwater elevations at East Street Area 2-South in fall 2008 were, on average, approximately 1.19 feet higher than the elevations measured during the fall 2007 monitoring event. Wells 10and E2SC-21 were dry during the fall monitoring event in both 2007 and 2008. LNAPL was observed in 31 wells during the fall semi-annual monitoring event as listed in Table 6 and in 11 additional monitoring wells (during the bailing round or other routine monitoring activities) as summarized in Table 7. The fall 2008 extent of LNAPL is illustrated on Figure 11and is generally similar to that observed in fall 2007, although a few variations from the prior fall were observed. The primary differences from the previous fall are that, among wells that were monitored both years:

- LNAPL was not observed at wells 02, 57, 64S, and GMA1-17E during the fall 2007 monitoring event, but was observed in the fall 2008 monitoring event. These wells are located within known LNAPL areas.

- LNAPL was observed in well 09R in fall 2008. This well was dry during the fall 2007 monitoring event. This well is within a known LNAPL area.

- Trace LNAPL (0.01 foot) was observed at well GMA1-24 during the fall 2008 monitoring event. This is the first time that LNAPL has been observed at this well since fall 2006, when there was also one observance of LNAPL at this well.

- LNAPL was observed at wells 6, 95-07R, and GMA1-14 during the fall 2007 monitoring event, but not in the fall 2008 event.

- LNAPL was observed on one or more occasions during fall 2008 at wells 6, 31, 3-6C-EB-25, HW-G2-RW-1, and RW-4, but not during fall 2007. Each of these wells is located within a known LNAPL area.

- LNAPL was not observed on one or more occasions at wells 43 and 95-07R in fall 2008, but was observed once during fall 2007.

- LNAPL was not observed at well ES2-6 during fall 2008, compared to fall 2007, when LNAPL was observed on one occasion. Well ES2-6 has a screen placement well below the top of the water table. Although this well is located within a known NAPL area, it is not designed to monitor for LNAPL (see Table 5). As noted in the fall 2007 NAPL report, the fall 2007 data appears to have been anomalous.

- LNAPL was observed in wells ES2-14 and replacement ES2-15R. These wells were not monitored in fall 2007, but this is a known LNAPL area.

- LNAPL was also noted in wells HR-G2-RW-1 and 3-6C-EB-25 once during fall 2008. Although wells HR-G2-RW-1 and 3-6C-EB-25 are located within a known NAPL area, they are not designed to monitor for LNAPL (see Table 5). Therefore, the LNAPL which was noted as present in these wells is most likely related to the presence of DNAPL in the wells which was disturbed during well maintenance activities and not considered an indication of LNAPL.

Overall, the variations in LNAPL extent observed in fall 2007 were limited to locations along the edges of the known LNAPL areas. Graphs summarizing groundwater elevation and LNAPL monitoring results for several representative wells in this area are included in Appendix E.

GE performed LNAPL recovery testing at well 25R over a three-day period in November 2008. This testing consisted of periodic LNAPL gauging and manual removal to assess the rate of LNAPL recovery to the well. On the first day of testing, LNAPL was gauged and removed on approximate one-hour intervals. On the second day the gauging/removal interval was increased to approximately two hours. An approximate four-hour interval was utilized on the third day of testing. As shown in Appendix H, approximately 3.98 liters (1.05

gallons) of LNAPL were manually removed during the three day testing period. In general, after the initial LNAPL accumulation in the well was removed, LNAPL recovery to the well was relatively consistent. The initial LNAPL thickness observed at the well was 3.5 feet at the start of day one. After removal of the stagnant LNAPL, a thickness of 0.53 foot returned to the well after just under one hour of recharge. Over the rest of the testing period, the maximum LNAPL thickness observed in the well was 0.5 foot on the start of the second day of testing, after approximately 17.3 hours of recovery time. Excluding the first reading of approximately 0.490 liter per hour, the LNAPL recovery rate ranged from approximately 0.004 to 0.207 liter per hour in this two inch well. The maximum recovery rate was just above 0.2 liter per hour; this rate was observed during the third set of readings on the first day. The average rate of recovery for this well was approximately 0.168 liter per hour. These results indicate that the installation of an automated LNAPL recovery system in this well is not warranted, as the amount of LNAPL in the vicinity of these wells has remained below the guidance values provided in the FSP/QAPP. To consider a well as a candidate for installation of an automated recovery system, a guideline of 0.5 liter per hour of NAPL recovery or 6- to 12-inches per hour of accumulated NAPL has been established.

Several active LNAPL recovery systems are present within East Street Area 2-South, as discussed in Section 2.3. Approximately 28 million gallons of groundwater and 5,400 gallons of LNAPL were removed by the East Street Area 2-South recovery systems in fall 2008. This is more than the amount recovery in fall 2007, when approximately 17 million gallons of groundwater and 3,700 gallons of LNAPL were removed by the East Street Area 2-South recovery systems.

GE removed a total of approximately 15.6 gallons of LNAPL from East Street Area 2-South during the course of routine monitoring and manual recovery activities in fall 2008, compared to approximately 17.8 gallons during fall 2007.

The extent of DNAPL observed in the fall 2008 monitoring round was the same as that observed in fall 2007. As during fall 2007, the presence of DNAPL was recorded in one monitoring well (E2SC-03I), and two recovery wells (64V and RW-3(X)) during the fall 2008 semi-annual monitoring event, as shown on Figure 12. DNAPL was observed in recovery well 64S during the fall 2007 monitoring event and on several other occasions, but was not observed in the well during fall 2008. DNAPL was also observed in replacement well ES2-17R, which was installed in November 2008. Each of these wells was known to contain DNAPL based on prior monitoring activities.

Approximately 206 gallons of DNAPL were recovered from recovery well RW-3(X) in fall 2007. This volume is slightly more than the volume of DNAPL (176 gallons) removed in fall 2007. Approximately 18 gallons of DNAPL was manually recovered from well 64V in fall 2008. GE continued to utilize weighted bailers to remove DNAPL from well E2SC-03I, due to the inability of pumping equipment to remove the viscous coal-tar DNAPL. A total of approximately 2.5 gallons of DNAPL were removed from this well in fall 2008 (compared to approximately 3.2 gallons recovered in fall 2007).

Replacement wells ES2-15R and ES2-17R were installed in November 2008, after it was determined that original wells ES2-15 and ES2-17 were unusable for monitoring purposes due to damage during the time that the wells were covered while the overlying area was utilized as a soil stockpile area by EPA. The boring logs for these replacement wells are included in Appendix I.

4.2.5 East Street Area 2-North

GE measured groundwater elevations and NAPL thickness (if present) at 19 monitoring wells within East Street Area 2-North in fall 2008. Fall 2008 groundwater elevations averaged approximately 1.95 feet higher than in fall 2007. LNAPL was observed in four monitoring wells (5-N, 14-N, 17-N, and 23-N) during the fall 2008 semi-annual monitoring event or on other occasions in fall 2007. LNAPL was also observed in all of these wells and in well 23N in fall 2007. Appendix E includes a graph summarizing the groundwater elevation and LNAPL monitoring results for well 14-N, selected as a representative well in this area. DNAPL was not measured or observed during the fall 2006 or 2007 bailing rounds or subsequent monitoring events (although DNAPL was observed at well 5-N in prior years).

GE removed a total of approximately 0.12 gallon of LNAPL from this area during the course of routine monitoring and manual recovery activities in fall 2008, compared approximately to 0.143 gallons over the same time period in 2007. Although DNAPL has observed at well 5-N in prior years, none was observed or recovered from this well in either fall 2007 or fall 2006.

Well A7-R was installed in November 2008 as a replacement for well A7, which was found to be paved over prior to resumption of its use as a groundwater quality monitoring point. The boring log for well A7-R is included Appendix I.

4.3 East Street Area 1-North & South

4.3.1 East Street Area 1 - North

GE monitored 13 wells within East Street Area 1-North and the Northside Caisson in fall 2008. On average, fall 2008 groundwater elevations were approximately 0.28 feet higher than in fall 2007. LNAPL was observed in three monitoring wells (wells 105, 106, and 131) in fall 2008, which were the same wells in which LNAPL was observed in fall 2007. LNAPL was observed in the Northside Caisson during the fall 2008 semi-annual monitoring event, as in fall 2007. LNAPL was not observed in any other wells during other monitoring rounds in fall 2008. A graph summarizing the groundwater elevation and LNAPL monitoring results for well 106, selected as a representative well in this area, is included in Appendix E.

No LNAPL was recovered by the Northside Recovery System and approximately 131,645 gallons of groundwater were removed. During the same time period in 2007, the Northside Recovery System pumped approximately 76,781 gallons of groundwater and recovered approximately 2 gallon of LNAPL.

Each of the wells containing LNAPL was bailed as part of the semi-annual monitoring event and during monthly inspections for the wells that are included in that monitoring and manual removal program. Approximately 0.24 gallon of LNAPL was manually removed in fall 2008, compared to a manual recovery of 0.32 gallon in fall 2007.

4.3.2 East Street Area 1-South

GE monitored 20 wells located within East Street Area 1-South and the Southside Caisson during fall 2008. Groundwater elevations were approximately 0.58 feet higher in this monitoring round, on average, than in fall 2007. LNAPL was observed in four monitoring wells (wells 34, 45, 72, and 76) and the Southside Caisson during the fall 2008 monitoring event, as was observed in the fall 2007 monitoring event. LNAPL was also observed at well 33 once during the fall 2008 bailing round, as it was in fall 2007. LNAPL has been observed occasionally at well 33 in the past. Graphs summarizing groundwater elevation and LNAPL monitoring results for wells 72 and 76 are included in Appendix E.

No LNAPL was recovered by the Southside Recovery System and approximately 434,200 gallons of groundwater were removed. During the same time period in 2007, approximately 332,890 gallons of groundwater and one gallon of LNAPL were recovered.

Each of the wells containing LNAPL was bailed as part of the semi-annual monitoring event and/or during routine monitoring if LNAPL was observed. Approximately 0.146 gallon of LNAPL was manually removed in fall 2008 compared to a manual recovery total of 0.073 gallon in fall 2007.

4.4 Lyman Street Area

GE monitored 32 Lyman Street Area wells during fall 2008. Groundwater elevations were an average of approximately 1.09 feet higher than measured in fall 2007. LNAPL was observed in four locations (monitoring wells LS-21, LS-31, LS-38 and recovery well RW-3) during the fall 2008 monitoring event compared to fall 2007, when LNAPL was observed in wells LS-21, LS-31, LSSC-06, and recovery wells RW-3 and RW-1(R). LNAPL was also noted as present in wells in wells LS-34, LSSC-067 and LSSC-16I during the semi-annual monitoring event. Although wells LS-34, LSSC-07, and LSSC-16I are located within a known NAPL area, they are not designed to monitor for LNAPL (see Table 5). Therefore, the LNAPL which was noted as present in these wells is most likely related to the presence of DNAPL in the wells and not an indication of LNAPL. The extent of LNAPL in this area is slightly larger than that observed during fall 2007, but roughly mimics the portions of the Former Oxbow Areas D and is not inconsistent with previous LNAPL monitoring. Graphs summarizing groundwater elevation and LNAPL monitoring results for several representative wells in this area are included in Appendix E.

DNAPL was observed in six wells (LS-12, LS-30, LS-31, LS-34, LSSC-07, and RW-3) during both the fall 2008 and 2007 semi-annual monitoring event. DNAPL was observed in wells LS-38, LSSC-06, and LSSC-34I in fall 2008, but was not observed at these wells in fall 2007. DNAPL was not observed in LSSC-08I, LSSC-34S, or RW-1(R) in fall 2008, as it was in the fall 2007 event. The extent of DNAPL at this area is also similar to that recorded during fall 2007.

Approximately 1.13 million gallons of groundwater and no LNAPL were removed in fall 2008 from the active recovery systems. For comparison, in fall 2007, 0.9 million gallons of groundwater and 20 gallons of LNAPL were removed from those systems.

Approximately 0.15 gallon of LNAPL was manually removed from monitoring wells at the Lyman Street Area during routine monitoring activities in fall 2008, compared to approximately 0.22 gallon during the prior fall. GE also removed approximately 1.84 gallons of DNAPL during routine fall 2008 monitoring events, slightly less than the 2.69 gallons manually removed in fall 2007.

Per Condition No. 1(a) of EPA's June 20, 2003 conditional approval letter, GE monitored well LSSC-08I on a weekly basis in fall 2008 and intended to collect DNAPL samples for analyses of physical and chemical parameters. Although DNAPL was observed on 10 of 27 monitoring rounds at this well, the DNAPL thicknesses ranged from only between 0.01 and 0.05 foot, which will not produce sufficient volumes of DNAPL to conduct any of the required analyses.

Well LS-43R was installed in November 2008, as a replacement for well LS-43, which was noted as covered with asphalt in fall 2007 and spring 2008 and was decommissioned in association with the installation of the replacement well. The boring log for this well is presented in Appendix I.

4.5 Newell Street Area II

GE monitored 27 wells at this RAA during the fall 2008 semi-annual monitoring event. Groundwater elevations were, on average, approximately 0.81 foot higher compared to fall 2007. LNAPL was observed in one monitoring well (NS-10) and DNAPL was recorded in 13 wells during the fall 2008 monitoring event and at two other wells during other routine monitoring activities, as summarized in Table 7 and Appendix E. The extent of LNAPL is similar to that previously observed in this area. Specifically, an isolated pocket of LNAPL is present near well NS-10 (see Figure 11). DNAPL was observed at 13 locations (wells MW-1D, MW-1S, N2SC-01I, N2SC-01I(R), N2SC-02, N2SC-03I, N2SC-03I(R), N2SC-07, N2SC-08, N2SC-09I, N2SC-13I, N2SC-14, and N2SC-16) during the fall 2008 monitoring round. In addition, DNAPL was observed at two other wells (NS-30 and NS-32) during additional fall 2008 monitoring activities. DNAPL has previously been detected at each of these locations, several of which are (or were formerly) part of the Newell Street Area II DNAPL recovery systems.

Approximately 54 gallons of DNAPL were recovered during fall 2008 by System 2 at Newell Street Area II, compared to 523 gallons that were recovered in fall 2007.

GE also manually removed DNAPL if thicknesses of greater than 0.5 foot were measured during routine monitoring events. In fall 2008, approximately 2.39 gallons of DNAPL were manually recovered, compared to approximately 2.70 gallons in fall 2007. The majority (approximately 1.28 gallon) of the recovered DNAPL was removed from well N2SC-08.

Approximately 0.09 gallon of LNAPL was manually removed from a single Newell Street Area II well during fall 2008, which is less than the 0.59 gallon manually removed in fall 2007. All of the LNAPL volume came from well NS-10.

4.6 Newell Street Area I

GE collected groundwater elevation data from three monitoring wells (FW-16, IA-9R, and MM-1) at Newell Street Area I during fall 2007. These monitoring results are summarized in Table 7 and the actual data are provided in Appendix E. The fall 2008 groundwater elevation was approximately 1.38 foot higher than measured in fall 2007. Consistent with prior investigations, no NAPL was observed at Newell Street Area I.

5. Effectiveness Evaluation and Future Program Modifications

5.1 General

This section discusses the effectiveness of the fall 2008 NAPL monitoring activities and upcoming approved modifications to the existing NAPL monitoring and recovery program at GMA 1. Overall, the ongoing NAPL recovery operations at GMA 1 have proven effective in removing LNAPL and DNAPL from the subsurface and preventing NAPL migration. Approximately 1.041 million gallons of NAPL have been removed from this area since 1975, and the lateral extent of NAPL, particularly LNAPL in East Street Area 2-South, has decreased significantly. Of the total amount of NAPL collected since 1975, approximately 96% was LNAPL collected from East Street Area 2-South. Although the existing NAPL recovery efforts have been very effective at removing both LNAPL and DNAPL and controlling its migration, GE continues to evaluate and implement enhancements to its ongoing program, such as the new automated groundwater and NAPL recovery well system that was recently installed at East Street Area 2-South well RW-4.

An overall increase in groundwater elevations was observed at GMA 1 in fall 2008 as compared to fall 2007, although isolated decreases were noted at several individual monitoring wells across this GMA. The amount of groundwater removed by the automated systems during the six-month evaluation period increased by approximately 11,343,530 gallons, as compared to a similar time period in 2007. This increase is primarily attributed to the higher groundwater elevations, since more groundwater was required to be removed by systems that maintain a targeted drawdown. In general, monthly groundwater removal volumes in late fall 2008 were more than the monthly groundwater removal volumes observed during early fall 2008, with the exception of July 2008, which had the second largest groundwater removal volume. Most individual systems exhibited increased LNAPL recoveries in fall 2008 as compared to fall 2007, with the exceptions of: the Northside Recovery System and Southside Recovery Systems, where no LNAPL was removed in fall 2008 compared to 2 and 1 gallons, respectively, of removal in fall 2007; RW-1(S), where 264 gallons of LNAPL were recovered in fall 2008, compared to 382 gallons during fall 2007; and RW-3 at Lyman Street, where no LNAPL was removed in fall 2008 compared to 20 gallons of removal in fall 2007. The most LNAPL was removed from recovery system 64V, where a removal of 3,558 gallons of LNAPL constituted approximately 65% of the LNAPL removed from automated systems during the fall monitoring period.

During the six-month fall evaluation period in 2008, approximately 5,750 total gallons of NAPL (i.e., LNAPL and DNAPL removed manually or by automated recovery systems) were removed from GMA 1 as compared to 4,450 gallons in 2007. The graphs in Appendix C show historical LNAPL recovery compared to groundwater recovery, while historical DNAPL recovery results are displayed in Appendix D.

Historically, LNAPL collection within East Street Area 2-South has generally been in proportion to the amount of overall groundwater pumping by the recovery systems. There was generally more groundwater removal and a corresponding increase in LNAPL removal for most of the recovery systems in fall 2008 as compared to fall 2007, with the exception of recovery well 64X, where the same amount of groundwater was removed, but significantly less LNAPL was recovered in fall 2008 (122 gallons) versus fall 2007 (536 gallons). In comparison, during fall 2007 the recovery systems that had increased LNAPL recoveries also had decreased groundwater removal volumes during the same time period. As in the past, LNAPL recovery at other areas (e.g., East Street Area 1-North and Lyman Street Area) does not appear to correlate well with either high or low groundwater conditions. LNAPL recovery rates in these areas may be more related to the physical properties of the particular LNAPL and/or localized hydrogeologic characteristics. It is also apparent that LNAPL plumes in these areas are shrinking compared to the historical LNAPL extent shown on Figure 3 and that there are lesser quantities of LNAPL remaining in those portions of GMA 1, so that changes in the water table do not significantly affect the already-low recovery volumes. It is expected that LNAPL recovery will continue to diminish, regardless of groundwater pumping rates, as the plumes shrink.

With respect to DNAPL, the observed increase in overall groundwater elevations would not normally be anticipated to have affected DNAPL recovery at the GMA 1 automated DNAPL recovery systems. Generally, mobile DNAPL does not occur near the top of the water column, so fluctuations in water table elevation would not significantly impact DNAPL mobility or recovery rates. As with LNAPL, it is expected that DNAPL collection volumes will decrease with time as the systems continue to remove recoverable free-phase product from the subsurface. In fall 2008, however, the amount of DNAPL recovered from well RW-3(X) at East Street Area 2-South increased slightly (to 206 gallons), as compared to fall 2007 recovery (176 gallons of DNAPL). However, at Newell Street Area II, the fall 2008 DNAPL recovery of 54 gallons is significantly less than the fall 2007 recovery of 523 gallons.

5.2 Assessment of Automated NAPL Recovery Systems

To evaluate the overall performance of existing NAPL recovery systems within GMA 1, each individual recovery system is discussed below. The need for additional activities to enhance the performance of these systems is also evaluated.

5.2.1 East Street Area 2-South

This section contains an assessment of the automated NAPL recovery systems at East Street Area 2-South over the fall 2008 monitoring period.

The volume of LNAPL recovered in fall 2008 from the East Street Area 2-South automated recovery systems was significantly more than the volume removed during fall 2007, which is consistent with the observation that a higher volume of groundwater was removed by these systems during fall 2008. The 64V system is the highest volume LNAPL-producing system in GMA 1 and, in conjunction with the nearby slurry wall, provides very effective collection and hydraulic control of LNAPL in this area. Although the LNAPL production rate has declined since the peak recoveries achieved in the initial years of operation (i.e., 1988 to 1993), such an overall decline is to be expected and Caisson 64V still removed more LNAPL in 2008 than any other GMA 1 system, and showed an increase in LNAPL recovery compared to fall 2007. As illustrated in the tables and graphs contained in Appendix F, LNAPL recovery efficiency varied during the course of fall 2008, following a similar pattern to that observed in prior years. Therefore, in light of the success of Caisson 64V, no adjustments to this recovery system are proposed at the present time.

Initially, the remaining East Street Area 2-South automated systems utilized common holding tanks, so accurate contributions of individual wells/caissons could not be determined. In fall 2002, GE instituted measures (i.e., installation of NAPL flow meters or additional record keeping) to identify the quantity of LNAPL being removed from several of these systems. Specifically, LNAPL recovery volumes at the paired 64X/RW-1(X), 64R/40R, and 64S/RW-1(S) systems are no longer combined as of October 2002, November 2002, and December 2002, respectively. Since these modifications were made in late fall of 2002, a full historical comparison of the separately-tracked recovery data cannot be made. Therefore, for comparison purposes, GE has calculated LNAPL recovery volumes and efficiency for these systems as they were previously combined. Evaluations of the recovery data since separate tracking began are also presented below.

Approximately 7.4 million gallons of groundwater were removed from the 64S/RW-1(S) recovery systems in fall 2008 as compared to approximately 4.6 million gallons of groundwater removed from this well in fall 2007. NAPL removal from the 64S/RW-1(S) systems was also more in fall 2008, by approximately 40%. [1436 gallons removed in fall 2008 versus 1030 gallons removed in fall 2007, from Table 3]. Most of the increase was due to the increase in system 64S, as less LNAPL was recovered from system RW-1(S) in fall 2008 (284 gallons) compared to fall 2007 (382 gallons). Tracked individually, the LNAPL recovery efficiency for the 64S system has been relatively consistent, with the exception of a spike in efficiency following the re-start of the 64S system after upgrades were made in summer 2003. The LNAPL recovery efficiency of the RW-1(S) system is an order of magnitude lower than the 64S system and has shown a greater degree of variability since tracking began, including a significant increase in summer 2004.

Since December 2002, the first month when separate NAPL recoveries were tracked for wells 64S and RW-1(S), approximately 88% of the LNAPL recovered, but only 47% of groundwater removed from these two systems, was via caisson 64S. The majority of the groundwater is typically removed from well RW-1(S), which serves to provide hydraulic control near the downgradient edge of the LNAPL area.

The volumes of LNAPL (275 gallons) and groundwater (1.92 million gallons) removed from the 64R/40R recovery systems were significantly higher compared to the amounts removed in fall 2007 (88 gallons and 0.08 million gallons, respectively). The increase is attributed to higher overall groundwater levels in fall 2008. All recovery was from the 64R caisson, as no LNAPL has been recovered from well 40R since February 2003 and the skimmer system was removed from service in fall 2006. The historical LNAPL recovery efficiency data presented in Appendix F for this combined system is quite variable, presumably due to the fact that no groundwater was removed by the skimmer in well 40R, resulting in large changes in the calculated efficiency based on variations in LNAPL recovery from the well. Since separate tracking was initiated, the LNAPL recovery efficiency of caisson 64R has varied from month to month, and the fall 2008 efficiencies were generally comparable to those observed previously.

The 64X/RW-1(X) systems had a decrease in LNAPL recovery of 416 gallons and a small decrease in groundwater removal (decrease of 0.05 million gallons) in fall 2008 as compared to fall 2007. As shown in Appendix F, these systems are the least efficient for LNAPL recovery, as they primarily serve a hydraulic control function near the riverbank (particularly RW-1(X)) and only small amounts of LNAPL are present. Since LNAPL only sporadically enters these wells, the historical LNAPL recovery efficiency data does not show a clear trend. The 64X/RW-1(X) recovery systems appear to be functioning as effective hydraulic control points that also intercept LNAPL when available. Therefore, in light of the primary purpose of these wells and the volume of LNAPL recovery in fall 2008, GE does not propose any modifications to these systems.

Per Condition 4 of EPA's May 23, 2008 conditional Approval letter of GE's 2007 Fall NAPL Monitoring Report, GE has evaluated the thickness of LNAPL in monitoring wells GMA 1-15, GMA1-16, and GMA 1-19 in 2008, compared to 2007, prior to initiation of recovery at well RW-4, in order to evaluate the effectiveness of recovery well RW-4. Table C-1 in Appendix C shows the average LNAPL thicknesses at these wells in 2007, prior to initiation of recovery activities in RW-4, and the average thickness in 2008, after recovery was initiated at RW-4. No significant changes are noted between 2008 and 2007. The average LNAPL thickness has decreased slightly at well GMA1-19, is approximately the same at well GMA 1-16, and increased slightly at well GMA 1-15. As noted in Figure 13, GMA 1-19 is the closest to the cone of depression created by recovery well RW-4. However, recoverable amounts of LNAPL have not yet entered recovery well RW-4, and the thickness

changes could also be related to groundwater elevation differences. In January 2009, the groundwater depression level was increased by approximately two feet to determine if increased drawdown would enhance LNAPL recovery at recovery well RW-4 . At a minimum, groundwater pumping in this area is providing a measure of hydraulic control that did not previously exist.

The volume of DNAPL recovered from recovery well RW-3(X) in fall 2007 (206 gallons) was approximately 17% greater than the volume removed by this well in fall 2007. The increased rate of DNAPL removal in fall 2008 as compared to fall 2007 was not consistent from month to month, and is small. In general, DNAPL recovery volumes have shown a slight decline consistent with expectations for such a system, with slight variations such as the minimal increase in recovery observed from fall 2007 to fall 2008. Therefore, there is no need to modify this recovery system at this time.

5.2.2 East Street Area 1-North & South

The two East Street Area 1 recovery caissons have effectively maintained hydraulic depressions utilized to contain and capture residual amounts of LNAPL. The amount of water removed by each recovery system in fall 2008 (approximately 565,000 gallons) was significantly more than in fall 2007 (approximately 410,000 gallons), while no LNAPL was recovered from either system in fall 2008, compared to fall 2007, when 2 gallons were recovered from the Northside Recovery System and 1 gallon was recovered from the Southside Recovery system. Since all indications are that the East Street Area 1 recovery systems are containing the LNAPL within their respective areas of influence and remaining amounts of recoverable LNAPL are small, GE does not propose any modifications to these systems at this time.

5.2.3 Lyman Street Area

As seen on the recovery graphs presented in Appendix C, following the initial surge in NAPL removal at the onset of pumping, LNAPL recovery has remained consistently low at each of the Lyman Street wells. No disproportionate changes in groundwater elevations or NAPL distribution have been observed behind the sheetpile containment barrier between the Lyman Street parking lot and the Housatonic River since its installation. The potential for groundwater mounding behind this barrier is limited due to the presence of the three automated recovery wells that are currently in operation in this area.

More groundwater was removed by the Lyman Street Area recovery systems in fall 2008 (1.13 million gallons) as compared to fall 2007 (0.90 million gallons), as average groundwater levels were higher than those observed in fall 2007. No NAPL was recovered by the systems in fall 2008, compared to fall 2007, when approximately 20 gallons of

LNAPL were removed from this system. Despite the small amount of NAPL recovery, the systems effectively provide hydraulic control and prevent groundwater and LNAPL from moving around the ends of the sheetpile barrier. As such, GE does not propose to make any modifications to the automated recovery systems in this area. GE had previously replaced the piping network in conjunction with the installation of the RW-4 recovery system in the former scrapyard area at East Street Area 2-South.

Per Condition No. 1(a) of EPA's June 20, 2003 conditional approval letter, GE has attempted to collect DNAPL samples for analyses of physical and chemical parameters from well LSSC-08I during the course of the routine monitoring events at this location. However, sufficient volumes of DNAPL to conduct such analyses have not been observed in this well to date. As shown in Table 7, DNAPL was observed on 10 of 27 monitoring rounds at this well and at thicknesses ranging between less than 0.01 foot and 0.05 foot. For comparison purposes, an LNAPL thickness of approximately 0.1 foot in a two-inch diameter well would be required to obtain enough sample volume to analyze for either volatile organic compounds or specific gravity. Those two analyses require the least amount of sample volume to conduct; other required analyses require between two and eight times this volume. GE will continue to monitor this well and will collect analytical samples if possible. Priority will be given to the performance of physical properties analyses if a complete sample set cannot be collected during a single monitoring event. Based on the location of this well, GE does not propose to allow NAPL to accumulate in the well to obtain analytical samples. GE will continue to remove any recoverable accumulations of DNAPL when observed and properly dispose of quantities that are insufficient for laboratory analysis.

5.2.4 Newell Street Area II

Newell Street Area II automated DNAPL recovery Systems 1 and 2 were shut down on July 25, 2005 and the upgraded System 2 was activated on August 30, 2006. The amount of DNAPL removed in fall 2008 (54 gallons) was significantly less than the amount of DNAPL removed in fall 2007 (523 gallons). As previously discussed, the amount of NAPL removal is expected to decrease over time. Overall, the monitoring/removal activities appear to be effective in reducing the volume of subsurface DNAPL and limiting the migration potential of DNAPL at Newell Street Area II. Since the upgraded recovery system was activated in fall 2006, GE proposes no modifications to this system at this time.

A manual monitoring/removal program is addressing the sole pocket of LNAPL in the vicinity of well NS-10. Given the minor amount of LNAPL present in this area, no modifications to the LNAPL monitoring or recovery programs are necessary at this time.

5.3 Evaluation of NAPL in Shallow Groundwater Areas in GMA 1

Condition 2 of EPA's November 25, 2008 conditional approval letter directed GE to identify buildings and residences within NAPL areas where GW-2 standards are applicable. To satisfy that condition, GE has combined the historical and fall 2008 extents of LNAPL onto a figure illustrating areas within GMA 1 where the groundwater is less than 15 feet below the ground surface (see Figure 15). As noted in Figure 15, the areas where the presence of LNAPL appears to be closer than 30 feet to an occupied building and the depth to groundwater is less than 15 feet are limited to buildings near the LNAPL area within East Street Area 1–South. GE operates an active LNAPL recovery system (i.e., the Southside Recovery System) in this area and manually recovers LNAPL from the remaining isolated pockets of LNAPL to the west of that system. The remaining LNAPL areas across GMA 1 are either greater than 30 feet from the nearest building or at a depth greater than 15 feet from the ground surface.

5.4 Evaluation of Sediment Accumulation in DNAPL wells

Per Condition 5 of EPA's November 25, 2008 conditional approval letter, GE has evaluated the depth to bottom of wells that are monitored for DNAPL and compared those depths that to the screen bottom elevation as noted in the construction details. Table 8 shows the ground elevation, well bottom elevation (from construction details), measured depth to bottom during the fall 2008 monitoring event, and the variance from the construction data compared to the actual measured depth to bottom. Those wells that are more than one foot shallower than the depth as constructed are noted in the table. GE will attempt to remove any excess sedimentation from those wells prior to the spring 2009 monitoring event and may perform additional well repairs or replacements, if necessary to ensure that the wells are usable for their intended purpose.

5.5 NAPL Monitoring Program Modifications

GE has implemented several EPA-approved modifications to the NAPL monitoring program that were described in recent NAPL monitoring reports or other correspondence with EPA, including certain documents submitted to support soil-related activities at the RAAs that comprise GMA 1. Table 9 lists wells where GE has previously conducted NAPL recovery testing, including a summary of the test results and a reference to the reports where detailed recovery test information was previously presented to EPA. The NAPL recovery testing conducted at many of the wells shown in that table have led to the installation of automated recovery systems. To provide clarification of modifications to the NAPL monitoring program, this section summarizes the EPA-approved program modifications that have been or will be implemented at GMA 1 and also proposes additional program modifications based on the fall 2008 monitoring results. In fall 2007, GE undertook a review

of the current monitoring program and proposed changes to the program, which changes were conditionally approved by EPA on May 23, 2008. Table 9 summarizes the current monitoring program and proposed future NAPL monitoring schedule proposed for GMA 1. In addition, in spring 2008, GE evaluated its groundwater quality monitoring program based on modifications to MDEP groundwater quality standards which were implemented in February 2008. As a result, several wells were added to the interim groundwater quality monitoring program. Those wells will also be utilized as groundwater elevation monitoring points during the time that sampling is performed. The proposed schedule contains a combination of EPA-approved modifications that will be implemented, as well as certain modifications proposed by GE, as described below.

5.5.1 40s Complex

As noted in the fall 2007 GMA 1 NAPL Monitoring Report, 95-17 now is being used to monitor groundwater elevation in this area. GE proposes no changes in this area.

5.5.2 30s Complex

Well GMA1-3 was added to the program to satisfy requirements of the GMA 1 Groundwater Quality Interim Monitoring program in fall 2008. Well 95-16 was noted as destroyed during the fall 2008 monitoring round. This well, which was scheduled to be raised following completion of grading activities in this area, will instead be replaced upon completion of those activities. Certain other wells in this area will be modified in conjunction with those activities, as described in GE's May 22, 2006 letter to EPA. No other changes are proposed in this area.

5.5.3 20s Complex

In December 2006, 20s Complex monitoring well O-R was decommissioned pursuant to GE's approved proposal to remove/replace certain wells in the 20s and 30s Complexes. A replacement for this well was to be installed at a location approximately 60 feet north of the original well location. However, the approved location was not accessible to the drill rig and a suitable alternate location that would not be impacted during the upcoming redevelopment activities could not be identified in the field. Therefore, it was decided in consultation with EPA field personnel that installation of this well would be deferred until after the completion of grading activities to be performed in this area. Those activities have yet to be completed. Once the area has been re-graded, GE will install the replacement well (to be designated as well O-RR) and will adjust the surface completions of several other wells in the area to correspond to the new ground surface, as described in GE's May 22, 2006 letter to EPA. As discussed in Section 4.2.3, one of the wells scheduled to be modified (well CC) has been recorded as dry or obstructed during the last two monitoring attempts. GE will inspect

the well and determine whether the entire well should be replaced or if the obstruction can be removed.

5.5.4 East Street Area 2-South

Replacement wells ES2-15R and ES2-17R were installed in December 2008 and will be used as semi-annual monitoring points in the NAPL monitoring program. However, GE will conduct more frequent monitoring at these wells in spring 2009 to address NAPL observations made shortly after installation of the wells. Boring logs for these wells are included in Appendix I. Well 95-25 was added to the program to satisfy requirements of the GMA 1 Groundwater Quality Interim Monitoring program in fall 2008. Well GMA1-16 was incorrectly listed as being monitored monthly in Table 8 of the Fall 2007 NAPL Monitoring Report; Table 9 has been updated to show that this well is monitored weekly. No other changes are proposed at this time.

5.5.5 East Street Area 2-North

Wells 95-20, ES1-10, F-1 and GMA1-4 were added to the program to satisfy requirements of the GMA 1 Groundwater Quality Interim Monitoring program in fall 2008. Well A-7, which was also supposed to be added to the program, was found to be unusable, and was replaced by well A7-R in November 2008. No other changes to the program are proposed at this time.

5.5.6 East Street Area 1-North

As described in GE's January 2009 *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2008* (Fall 2008 GMA 1 Groundwater Quality Report), well ESA1N-52 was checked for integrity and maintenance issues on September 24, 2008. The PVC well casing was found to be intact and the only specific maintenance need identified for the well was a new J-plug well cap and manhole cover, as the well's current cover is a non-bolting version. Prior to the spring 2009 monitoring event, a new bolted cover for the manhole will be installed to prevent the possibility of future road run-off into the well vault. In addition, GE utilized multiple development techniques to remove approximately two feet of sediment from the well, but was unable to clear the primary obstruction in the well, which is believed to be an asphalt fragment. Although the well was not completely cleared, a sufficient portion of the well screen is available to permit water level and LNAPL monitoring to continue at this location. Therefore, no modifications are proposed in this area at this time.

5.5.7 East Street Area 1-South

Well 37R was added to the groundwater quality program in fall 2008 to evaluate the new GW-2 standard for PCBs. Well 46 was noted as partially paved over during fall 2008 and will be evaluated prior to initiation of the spring 2009 monitoring event.

5.5.8 Lyman Street Area

Well LS-43R was installed to replace well LS-43, and will be monitoring under the same frequency as the original well. No other changes are proposed in this area.

5.5.9 Newell Street Area II

No modifications are proposed in this area at this time.

5.5.10 Newell Street Area I

No modifications are proposed in this area at this time.

5.5.11 Silver Lake Area

No modifications are proposed in this area at this time.

6. Schedule for Future Activities

6.1 General

Schedule requirements related to the baseline monitoring programs were generally identified in Attachment H to the SOW, and further clarified in the GMA 1 Baseline Monitoring Proposal and subsequent NAPL monitoring reports. Since the schedule for most of the routine groundwater and NAPL monitoring activities is unchanged from the previously-approved plan, this section provides a schedule primarily for the implementation of previously-approved changes to the GMA 1 NAPL monitoring program, as well as for certain non-routine activities which will be conducted in the near future.

6.2 Field Activities Schedule

GE will continue to perform its routine NAPL monitoring and recovery activities in accordance with the current monitoring schedule listed in Table 2. The spring 2009 semi-annual bailing round and monitoring event will be conducted in April 2009. Approximately one to two weeks prior to the monitoring event, GE will perform the bailing round, removing any accumulated NAPL in all wells scheduled for semi-annual monitoring that have contained NAPL during the prior 12-month period.

Prior to the semi-annual monitoring event, GE will re-develop DNAPL wells which have greater than one foot of sediment at the bottom of the well, as noted in Table 8. During or after performance of the semi-annual monitoring round, GE will conduct an inspection of the riverbank areas adjacent to GMA 1 for signs of NAPL seeps or sheens. The schedule of this inspection may be modified if a high flow event is recorded at the Coltsville gauging station. Additional riverbank inspections may be performed at East Street Area 2-South, Lyman Street Area, and Newell Street Area II if multiple high flow events are recorded during the spring. Those inspections, if necessary, will be conducted approximately 1-2 weeks after the high flow conditions subside. The inspections will follow the procedure as noted in Appendix GGE will also implement any EPA-approved program modifications or activities proposed in Section 5.5 in spring 2009. Prior to performance of these activities, GE will provide EPA with 7 days notice to allow the assignment of field oversight personnel.

6.3 Reporting Schedule

GE will submit the Spring 2009 NAPL Monitoring Report for GMA 1 by August 31, 2009, in accordance with the previously approved reporting schedule. That report will present the NAPL monitoring and recovery data for the period of January 2009 through June 2009.

GE will continue to provide the results of ongoing NAPL monitoring and recovery efforts in its monthly reports on overall activities at the GE-Pittsfield/Housatonic River Site.

ARCADIS

Tables

Table 1
Monitoring Well Construction Summary

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Survey Coordinates		Ground Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Depth to Top of Screen (Feet bgs)	Screen Length (Feet)	Top of Screen Elevation (Feet AMSL)	Base of Screen Elevation (Feet AMSL)	Average Depth to Groundwater (Feet bgs)	Average Groundwater Elevation (Feet AMSL)	Till/Silt Elevation (Approximate) (Feet AMSL)
	Northing	Easting									
40s Complex											
95-17	534481.50	130679.10	1,007.61	1,007.67	20	10	987.6	977.6	23.5	984.1	983
30s Complex											
95-15	534225.37	131091.35	986.58	986.38	7	10	979.6	969.6	8.4	978.2	966
95-16	534082.14	131773.76	1,007.88	1007.65	14	10	993.9	983.9	15.9	992.0	988
ES2-19	534344.32	131781.79	1,007.60	1,007.22	11.5	8	996.1	988.1	14.0	993.6	1,000
GMA1-3	533679.90	131685.40	991.28	990.78	5.7	10	985.6	975.6	7.7	983.6	970
GMA1-12	534218.00	131263.10	989.30	992.26	9.38	10	979.9	969.9	12.8	976.5	977
RF-03	533872.30	131153.90	985.60	985.40	3	15	982.6	967.6	9.5	976.1	965
RF-03D	533879.30	131154.60	985.54	985.31	30.6	5	954.9	949.9	7.8	977.7	965
RF-16R	534210.60	130924.90	987.11	986.77	7.5	10	979.6	969.6	8.5	978.6	967
20s Complex											
CC	534251.19	132927.20	998.80	998.84	16.8	15	982.0	967.0	18.3	980.5	972
EE	534244.32	133101.21	1,004.50	1004.27	20	15	984.5	969.5	24.1	980.4	974
GG	534237.47	133226.06	1,007.40	1007.40	20	15	987.4	972.4	24.8	982.6	973
II	534294.74	132437.51	1,007.30	1007.26	20	15	987.3	972.3	26.3	981.0	973
JJ	534286.40	132524.77	1,006.38	1006.38	23	15	983.4	968.4	25.9	980.5	968
KK	534273.98	132574.04	1,004.50	1006.61	25	15	979.5	964.5	25.2	979.3	967
LL-R	534257.60	133170.00	1,007.70	1010.59	18	15	989.7	974.7	25.8	981.9	977
P-R	534101.50	132615.40	1,003.00	1005.01	16.2	10	986.8	976.8	23.1	979.9	961
QQ-R	534174.50	132893.90	998.59	998.32	13	15	985.6	970.6	18.6	980.0	967
U	534111.32	132740.27	998.90	998.89	4	25	994.9	969.9	19.1	979.8	965
Y	534233.56	132692.64	1,002.90	1002.86	6	30	996.9	966.9	23.0	979.9	966
East Street Area 2-South											
01R	533928.73	133219.80	992.90	992.72	10	15	982.9	967.9	12.5	980.4	963
2	533902.02	133104.87	996.40	995.64	15	10	981.4	971.4	18.3	978.1	967
5	533817.68	132719.06	996.00	996.10	9	15	987.0	972.0	16.2	979.8	949
6	533799.18	132650.34	991.40	991.18	15	10	976.4	966.4	14.5	976.9	947
09R	533568.41	132434.78	987.30	986.88	5	15	982.3	967.3	13.0	974.3	950
10	533530.59	132376.71	988.30	987.95	10	10	978.3	968.3	14.3	974.0	957
13	533453.66	132080.55	991.30	990.88	10	20	981.3	961.3	17.2	974.1	964
14	533441.04	132035.29	992.40	991.61	10	20	982.4	962.4	17.9	974.5	964
16R	533349.53	131807.57	987.20	987.10	5.9	20	981.3	961.3	11.8	975.4	951
19	532948.30	132198.00	984.10	983.59	10	15	974.1	959.1	10.8	973.3	947
25R	533997.60	133152.50	995.50	998.31	9	20	986.5	966.5	17.4	978.1	963
26RR	534111.70	133258.00	998.40	1,000.58	13	15	985.4	970.4	18.8	979.6	<970.4
28	533843.20	133276.14	991.50	991.86	15	10	976.5	966.5	13.2	978.3	958
29	533775.00	133278.82	992.10	991.59	17	10	975.1	965.1	18.1	974.0	955
30	533681.14	133124.29	990.00	989.34	14	10	976.0	966.0	12.4	977.6	960
31	533655.48	133114.65	990.95	990.60	15	10	976.0	966.0	13.5	977.5	960
32	533651.50	133032.33	990.96	990.81	9	10	982.0	972.0	12.7	978.2	965
34	533651.28	132726.36	982.50	982.54	5	10	977.5	967.5	7.0	975.5	950

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	Northing	Easting									
35	533686.10	132606.52	983.00	982.81	5	10	978.0	968.0	8.1	974.9	943
36	533521.11	132657.53	983.50	983.02	5	10	978.5	968.5	9.0	974.5	950
37	533610.91	132816.39	980.50	980.37	5	10	975.5	965.5	6.0	974.5	960
38	533629.02	132922.84	981.40	980.77	5	10	976.4	966.4	5.6	975.8	967
40R	533758.52	133159.76	991.60	991.60	5	20	986.6	966.6	15.7	975.9	960
42	533615.04	133252.28	988.50	988.33	10	10	978.5	968.5	12.7	975.8	952
43	533534.56	133230.22	985.70	989.67	10	10	975.7	965.7	10.9	974.8	952
44	533554.95	133143.65	988.80	988.33	10	10	978.8	968.8	12.8	976.0	957
47	533769.03	133425.13	991.60	991.09	15	10	976.6	966.6	17.8	973.8	952
48	533661.94	133479.47	989.00	992.39	15	10	974.0	964.0	13.4	975.6	948
49R	533676.54	133574.30	989.10	988.71	5	20	984.1	964.1	15.3	973.8	948
49RR	533698.66	133560.68	990.00	989.80	10	15	980.0	965.0	16.1	973.9	948
50	533353.13	132665.31	986.00	985.79	4.5	20	981.5	961.5	10.2	975.8	953
51	533297.07	132548.81	985.30	985.38	4.5	20	980.8	960.8	11.6	973.7	942
52	533237.36	132442.30	985.50	985.18	4.2	20	981.3	961.3	11.6	973.9	942
53	533585.77	133562.47	987.20	986.90	8	20	979.2	959.2	13.5	973.7	947
54	533545.63	133474.93	986.10	985.78	7	20	979.1	959.1	13.3	972.8	947
55	533634.73	133502.84	987.50	989.45	7	20	980.5	960.5	13.8	973.7	947
57	533638.76	133262.06	990.10	989.80	8	20	982.1	962.1	12.7	977.4	952
58	533568.99	133374.44	986.30	985.79	8	20	978.3	958.3	13.2	973.1	948
59	533600.67	133366.09	986.80	986.32	8	20	978.8	958.8	14.7	972.1	948
ESA2S-64	533152.10	132820.00	985.08	984.98	7	15	978.1	963.1	11.6	973.5	964
64R	533771.64	133196.84	993.97	993.37	15.3	6	978.7	972.7	16.8	977.2	957
64S	533631.91	132677.26	983.50	984.48	3.5	25	980.0	955.0	15.2	968.3	947
64S-Caisson	533631.91	132677.26	983.50	984.40	N/A	N/A	N/A	N/A	N/A	971.5	N/A
64V	533608.93	133375.13	987.00	987.29	10	20	977.0	957.0	21.3	965.7	948
64X(N)	533549.89	133305.85	983.80	984.83	N/A	N/A	N/A	969.0	10.7	973.1	947
64X(S)	533472.53	133365.38	980.50	981.56	10	5	970.5	965.5	10.9	969.6	940
64X(W)	533440.04	133269.78	983.80	984.87	10	7.5	973.8	966.3	14.3	969.5	945
95-01	532972.02	131952.97	983.89	983.77	8	10	975.9	965.9	9.7	974.2	N/A
95-04R	533543.50	132537.60	985.80	988.36	10	10	975.8	965.8	10.9	974.9	943
95-05	533509.14	132456.06	986.76	989.45	8	10	978.8	968.8	12.1	974.7	947
95-07R	533788.30	132610.40	992.10	994.56	16.5	10	975.6	965.6	16.1	976.0	946
95-25	533093.52	131384.41	985.12	988.20	8	10	977.1	967.1	11.2	973.9	949
E2SC-03I	533473.03	133392.16	980.43	982.12	34.5	10	945.9	935.9	7.6	972.8	936
E2SC-17	533516.03	133454.75	983.76	985.38	36.7	10	947.1	937.1	10.2	973.5	941
E2SC-21	533227.19	132595.20	982.29	981.70	5	10	977.3	967.3	8.6	973.7	950
E2SC-23	533344.44	133132.75	990.10	992.07	9	10	981.1	971.1	14.7	975.4	955
E2SC-24	533535.46	133544.45	986.00	987.90	9	10	977.0	967.0	12.8	973.2	940
3-6C-EB-14	532899.25	132124.98	984.68	984.20	12	9.5	972.7	963.2	11.4	973.2	950
3-6C-EB-22	532909.20	131931.76	983.33	986.94	6.7	9.8	976.6	966.8	9.2	974.1	958
3-6C-EB-25	532878.30	131758.00	982.64	986.31	11.8	9.5	970.8	961.3	9.5	973.1	958
3-6C-EB-26	532872.19	131696.79	983.86	986.74	6.5	15	977.4	962.4	11.4	972.4	957

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	Northing	Easting									
3-6C-EB-28	532872.86	131728.32	982.80	985.79	6.9	14.5	975.9	961.4	10.0	972.8	958
ES2-01	533454.42	133267.97	985.70	985.36	25	10	960.7	950.7	12.2	973.5	945
ES2-02A	533023.60	132497.90	980.19	979.63	3	15	977.2	962.2	6.6	973.6	940
ES2-05	533324.15	132017.21	990.80	990.65	9	15	981.8	966.8	16.9	973.9	963
ES2-06	533465.77	133277.92	986.30	986.00	37.5	10	948.8	938.8	12.7	973.6	943
ES2-08	533337.75	132969.67	995.30	994.87	10	15	985.3	970.3	21.4	973.9	962
ES2-10	533728.02	132378.40	991.80	991.55	10	10	981.8	971.8	14.2	977.6	963
ES2-11	533441.48	132610.85	985.80	985.05	5	15	980.8	965.8	11.0	974.8	945
ES2-14	533387.35	132421.21	986.70	985.93	12	10	974.7	964.7	12.7	974.0	945
ES2-15R	533405.40	132497.10	986.70	986.20	10	10	976.7	966.7	12.5	974.2	943
ES2-16	533463.77	132335.90	987.10	986.88	10	10	977.1	967.1	10.8	976.3	960
ES2-17R	533337.10	132478.80	986.57	986.01	11	10	975.6	965.6	13.0	973.5	943
ES2-18	533420.31	132264.62	987.10	986.86	12	22	975.1	953.1	13.2	973.9	962
GMA1-13	533785.70	133705.20	989.50	991.41	15	10	974.5	964.5	15.3	974.2	<964
GMA1-14	534006.20	132995.20	995.30	997.29	12	10	983.3	973.3	16.0	979.3	<973
GMA1-15	533257.00	132155.00	986.60	988.59	6	10	980.6	970.6	12.4	974.2	<970
GMA1-16	533167.90	132359.90	985.10	986.82	8	10	977.1	967.1	10.7	974.4	<967
GMA1-17E	533783.10	132983.90	993.36	993.03	7.5	10	985.9	975.9	15.0	978.4	<975
GMA1-17W	533784.60	134234.60	993.30	992.63	14	10	979.3	969.3	15.0	978.3	<969
GMA1-19	533102.40	132207.90	984.63	984.28	7.59	10	977.0	967.0	10.7	973.9	N/A
GMA1-20	533023.20	132361.60	983.76	983.49	7.78	10	976.0	966.0	10.1	973.7	N/A
GMA1-21	533117.60	132435.20	983.40	985.68	7.37	10	976.0	966.0	9.5	973.9	N/A
GMA1-22	533212.2000	132052.8000	988.74	988.45	10	10	978.7	968.7	14.7	974.0	N/A
GMA1-23	533094.4000	132083.4000	986.44	986.16	7	10	979.4	969.4	12.5	973.9	N/A
GMA1-24	533009.4000	132194.8000	984.19	983.81	6	10	978.2	968.2	10.7	973.5	N/A
HR-C-RW-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HR-G1-MW-1	533112.00	132805.24	980.33	982.42	7.4	10	972.9	962.9	7.4	972.9	965
HR-G1-MW-2	533091.85	132769.58	978.00	980.23	15.5	10	962.5	952.5	5.1	972.9	960
HR-G1-MW-3	533046.00	132710.10	978.30	980.21	7	10	971.3	961.3	5.4	972.9	955
HR-G2-MW-1	532985.08	132603.74	979.06	982.60	3.4	10	975.7	965.7	6.2	972.8	953

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	Northing	Easting									
HR-G2-MW-2	532962.82	132558.96	977.88	981.39	3	10	974.9	964.9	4.2	973.7	950
HR-G2-MW-3	532917.49	132477.19	984.07	987.14	8.8	10	975.3	965.3	10.8	973.2	940
HR-G2-RW-1	532955.37	132567.50	975.00	976.88	7.8	5	967.2	962.2	2.2	972.8	950
HR-G3-MW-1	532900.30	132455.10	983.70	987.10	4.1	10	979.6	969.6	10.4	973.3	940
HR-G3-MW-2	532887.95	132335.02	984.30	987.88	4.1	10	980.2	970.2	10.7	973.6	935
HR-G3-RW-1	532872.09	132399.67	976.78	977.78	7.23	2	969.6	967.6	3.6	973.2	937
HR-J1-MW-1	532859.90	131661.60	983.60	985.95	8.22	15	975.4	960.4	10.6	973.0	959
HR-J1-MW-2	532837.20	131571.10	983.70	983.56	7.92	10	975.8	965.8	10.3	973.4	952
HR-J1-MW-3	532823.10	131533.90	984.60	987.68	6.32	15	978.3	963.3	11.6	973.0	951
HR-J1-RW-1	532815.99	131580.58	975.00	975.05	12	2	963.0	961.0	2.3	972.7	952
M-R	533918.80	132612.00	995.80	998.19	15.8	10	980.0	970.0	16.0	979.8	952
P3	533662.24	133183.10	989.30	989.25	4	10	985.3	975.3	5.3	984.0	955
PZ-1S	533390.53	133214.18	990.10	989.93	13.26	5.58	976.8	971.3	17.1	973.0	950
PZ-6S	533452.92	133327.82	984.30	984.13	7.34	5.5	977.0	971.5	11.6	972.7	942
RW-1(S)	533423.56	132379.69	987.00	987.23	10	20	977.0	957.0	17.8	969.2	950
RW-1(X)	533438.75	133301.18	982.70	982.68	9	15	973.7	958.7	14.4	968.3	943
RW-2(X)	533389.37	133238.18	986.16	985.96	9	15	977.2	962.2	14.9	971.2	951
RW-3(X)	533486.57	133387.39	980.93	980.28	36	10	944.9	934.9	8.7	972.2	936
RW-4	533136.70	132283.20	984.96	987.44	9.5	20	975.5	955.5	15.6	969.3	N/A
TMP-1	533798.77	133577.02	N/A	992.74	N/A	N/A	N/A	N/A	N/A	973.8	954
SG-HR-1	N/A	N/A	N/A	990.73	N/A	N/A	N/A	N/A	N/A	972.8	N/A
East Street Area 2-North											
05-N	534367.44	133101.83	1,009.50	1,009.23	18	10	991.5	981.5	24.6	984.9	985
11-N	534386.95	132639.74	1,011.50	1010.85	30	10	981.5	971.5	30.2	981.3	972
14-N	534368.48	133215.75	1,010.70	1010.53	24	10	986.7	976.7	23.6	987.1	988
16-N	534382.34	132782.39	1,011.04	1010.65	30	10	981.0	971.0	30.3	980.7	972
17-N	534404.43	132702.02	1,010.60	1010.49	30	10	980.6	970.6	29.7	980.9	975
17A	535187.45	132107.05	1,024.15	1,023.86	5	15	1,019.2	1,004.2	8.0	1,016.2	1,014
19-N	534406.01	132514.18	1,011.10	1010.68	30	10	981.1	971.1	29.6	981.5	977
20-N	534419.83	132465.12	1,011.20	1010.66	30	10	981.2	971.2	28.9	982.3	977
23-N	534444.85	132701.53	1,011.30	1011.13	30	10	981.3	971.3	30.1	981.2	979
24-N	534465.08	132697.89	1,011.10	1010.50	30	10	981.1	971.1	29.7	981.4	980
95-20	534445.16	133286.98	1,010.83	1,010.67	10	10	1,000.8	990.8	14.1	996.8	997
A7-R	534995.60	132799.70	1,024.08	1,023.47	4	10	1,020.1	1,010.1	8.8	1,015.3	1,014
ES1-5	534750.38	135063.62	1,023.39	1,023.33	35	10	988.4	978.4	39.8	983.5	982
ES1-10	534813.90	134583.80	1,024.04	1,023.99	7	10.5	1,017.0	1,006.5	6.1	1,017.9	1,008
ES1-18	535027.22	133724.97	1,049.81	1,049.71	4	10	1,045.8	1,035.8	7.0	1,042.8	1,044
ES1-20	535314.82	134924.90	997.82	1,001.56	6	10	991.8	981.8	10.4	987.4	<981
ES1-27R	534603.10	134604.20	1,023.41	1,023.19	9.3	10	1,014.1	1,004.1	8.6	1,014.8	1,007
F-1	534711.00	134287.30	1,024.02	1,023.84	4	15	1,020.0	1,005.0	3.2	1,020.8	1,004
GMA1-4	534702.10	132178.30	1,011.80	1,011.52	10.3	10	1,001.5	991.5	16.3	995.5	993

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Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Survey Coordinates		Ground Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Depth to Top of Screen (Feet bgs)	Screen Length (Feet)	Top of Screen Elevation (Feet AMSL)	Base of Screen Elevation (Feet AMSL)	Average Depth to Groundwater (Feet bgs)	Average Groundwater Elevation (Feet AMSL)	Till/Silt Elevation (Approximate) (Feet AMSL)
	Northing	Easting									
East Street Area 1-North											
25	534255.49	134362.69	1,000.70	1000.70	2	15	998.7	983.7	5.8	994.9	991
ESA1-52	534253.80	134565.90	999.73	999.26	2	20	997.7	977.7	5.4	994.3	990
60R	534263.60	133932.60	1,000.60	1004.03	5.41	10	995.2	985.2	7.4	993.2	985
105	534272.77	134057.88	1,002.90	1002.85	2	15	1,000.9	985.9	7.4	995.5	985
106	534277.70	134109.40	1,003.10	1004.06	3	20.00	1,000.1	980.1	7.2	995.9	985
107	534282.78	134160.80	1,003.90	1,003.86	2	15	1,001.9	986.9	6.9	997.0	986
108A	534336.66	134174.14	1,007.80	1,007.79	5	15	1,002.8	987.8	10.1	997.7	992
109A	534317.23	134068.87	1,005.50	1,005.43	5	15	1,000.5	985.5	8.2	997.3	988
118	534363.96	134345.23	1,001.50	1,001.50	2	8	999.5	991.5	4.3	997.2	993
128	534262.27	134443.76	1,001.40	1,001.41	1	14	1,000.4	986.4	6.7	994.7	991
131	534334.97	134401.77	1,001.30	1001.18	3	5	998.3	993.3	4.4	996.9	993
140	534238.61	134022.06	1,000.30	1,000.30	2	15	998.3	983.3	7.3	993.0	988
ES1-8	534257.78	134216.20	1,001.17	1,000.85	5	10	996.2	986.2	5.7	995.4	987
North Caisson	534248.54	134125.96	998.00	997.84	7.5	11	990.5	979.5	17.4	980.6	990
East Street Area 1-South											
31R	534143.90	134059.50	1,000.46	1000.23	5.5	10	995.0	985.0	9.1	991.3	991
33	534197.32	134184.99	999.50	999.50	3	20	996.5	976.5	5.6	993.9	982
34	534204.90	134261.79	999.90	999.90	3	20	996.9	976.9	5.8	994.1	983
35	534216.67	134377.60	1,000.20	1000.15	3	20	997.2	977.2	5.7	994.5	990
37R	533949.60	133932.60	989.03	988.79	7.77	10	981.3	971.3	10.2	978.9	966
45	534220.26	134405.22	1,000.10	1000.10	2	20	998.1	978.1	5.6	994.5	990
46	534223.35	134455.17	999.80	999.80	2	20	997.8	977.8	5.9	993.9	990
72	534191.24	134257.11	1,000.60	1000.62	3	20	997.6	977.6	6.6	994.0	983
72R	534196.10	134234.60	1,001.20	1000.92	4	10	997.2	987.2	6.6	994.6	988
75	534188.71	134334.44	1,000.70	1000.65	3	20	997.7	977.7	6.5	994.2	990
76	534194.27	134426.76	1,000.50	1000.45	3	20	997.5	977.5	6.9	993.6	988
78	534076.98	134253.66	997.60	997.61	2	20	995.6	975.6	3.1	994.5	982
80	N/A	N/A	990.00	989.98	6.5	25	983.5	958.5	5.0	985.0	N/A
90	N/A	N/A	987.70	987.65	2	13	985.7	972.7	5.7	982.0	N/A
139R	533841.60	135011.00	987.39	986.91	6	10	981.4	971.4	10.5	976.8	N/A
ES1-13	534209.68	134576.80	1,000.03	999.93	4	10	996.0	986.0	7.1	992.9	987
ES1-23R	533883.20	134539.90	987.90	989.94	4	10	983.9	973.9	2.2	985.7	<974
GMA1-6	534084.30	134455.50	1,000.73	1,000.44	5	10	995.7	985.7	8.4	992.4	985
GMA1-7	533766.80	134345.00	986.08	985.81	5.4	10	980.7	970.7	12.0	974.1	964
GMA1-18	534221.00	134872.50	998.52	998.29	4	10	994.5	984.5	6.4	991.8	N/A
South Caisson	534173.43	134432.12	1,000.50	1001.11	4	12	996.5	984.5	12.9	987.6	987

Table 1
Monitoring Well Construction Summary

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Survey Coordinates		Ground Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Depth to Top of Screen (Feet bgs)	Screen Length (Feet)	Top of Screen Elevation (Feet AMSL)	Base of Screen Elevation (Feet AMSL)	Average Depth to Groundwater (Feet bgs)	Average Groundwater Elevation (Feet AMSL)	Till/Silt Elevation (Approximate) (Feet AMSL)
	Northing	Easting									
Lyman Street Area											
B-2	532267.18	130211.26	978.53	978.06	3	15	975.5	960.5	6.9	971.6	N/A
E-4	532781.86	131381.90	986.00	987.98	11.6	10	974.4	964.4	13.7	972.3	953
EPA-01	532404.00	130818.40	983.33	983.04	18	4	965.3	961.3	10.9	972.5	958
GMA1-5	532063.90	129887.50	979.64	979.50	3.5	10	976.1	966.1	7.6	972.1	N/A
LS-12	532544.49	130773.27	982.58	985.49	7	15	975.6	960.6	9.6	973.0	958
LS-13	532726.19	130912.04	985.06	984.65	10	15	975.1	960.1	11.6	973.5	965
LS-21	532584.70	130988.93	983.94	983.42	8	10	975.9	965.9	11.9	972.0	967
LS-24	532649.95	131080.03	986.58	986.58	10.45	11.45	976.1	964.7	14.4	972.2	961
LS-30	532620.97	130874.13	984.17	986.44	8.6	10	975.6	965.6	11.6	972.6	966
LS-31	532663.75	130942.01	984.86	987.09	10.6	10	974.3	964.3	11.6	973.3	965
LS-34	532547.16	130747.16	983.00	985.79	16	9.5	967.0	957.5	10.2	972.8	958
LS-38	532454.93	130852.50	984.70	986.95	12.6	10	972.1	962.1	12.6	972.1	962
LS-43R	532459.60	130723.90	681.61	681.19	16.7	9.5	664.9	655.4	-292.4	974.0	956
LS-44	532395.07	130746.02	981.30	980.78	16.7	9.5	964.6	955.1	9.1	972.2	956
LSSC-06	532545.12	130828.24	983.44	984.91	8	10.00	975.4	965.4	10.9	972.5	965
LSSC-07	532512.42	130714.50	982.88	982.48	16	10	966.9	956.9	10.1	972.8	954
LSSC-08I	532406.30	130816.34	983.60	983.13	13	10	970.6	960.6	11.2	972.4	958
LSSC-08S	532408.89	130817.23	983.64	983.11	5	10	978.6	968.6	11.6	972.1	958
LSSC-09	532560.23	130968.42	983.35	985.06	6	10	977.4	967.4	11.4	971.9	965
LSSC-16I	532495.89	130691.87	981.61	980.88	18	10	963.6	953.6	9.3	972.3	956
LSSC-16S	532500.50	130690.30	981.46	981.37	5	10	976.5	966.5	8.6	972.8	956
LSSC-18	532664.70	131107.50	987.60	987.32	9	10	978.6	968.6	15.2	972.4	961
LSSC-32	532377.06	130590.77	980.89	980.68	26	10	954.9	944.9	8.3	972.5	949
LSSC-33	532416.27	130678.87	980.96	980.49	20	10	961.0	951.0	8.4	972.5	955
LSSC-34I	532506.10	130803.12	983.02	984.74	15	10	968.0	958.0	11.0	972.0	960
LSSC-34S	532502.63	130807.44	982.90	985.01	5	10	977.9	967.9	10.8	972.1	960
MW-3R	532488.50	130320.80	981.88	981.78	10	5	971.9	966.9	8.8	973.1	<966.9
MW-4R	532351.60	130525.40	981.20	980.82	9	5	972.2	967.2	8.8	972.4	<969.7
MW-6R	532826.50	130329.50	985.47	985.14	4	10	981.5	971.5	11.0	974.5	<971.5
RW-1(R)	532585.81	131015.89	984.80	985.07	9.4	10	975.4	965.4	15.6	969.2	965
RW-2	532617.86	131063.93	986.00	985.92	11	10	975.0	965.0	14.1	971.9	968
RW-3	532506.39	130896.84	984.00	984.08	N/A	11	N/A	N/A	15.7	968.3	965
BM-2A	N/A	N/A	986.32	N/A	N/A	N/A	N/A	N/A	N/A	971.6	N/A

Table 1
Monitoring Well Construction Summary

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Survey Coordinates		Ground Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Depth to Top of Screen (Feet bgs)	Screen Length (Feet)	Top of Screen Elevation (Feet AMSL)	Base of Screen Elevation (Feet AMSL)	Average Depth to Groundwater (Feet bgs)	Average Groundwater Elevation (Feet AMSL)	Till/Silt Elevation (Approximate) (Feet AMSL)
	Northing	Easting									
Newell Street Area II											
GMA1-8	532537.20	131175.60	981.94	981.66	5.7	10	976.2	966.2	9.6	972.4	961
GMA1-9	532597.60	131346.30	979.10	982.36	7.1	10	972.0	962.0	6.2	972.9	957
GMA1-25	532475.20	131882.30	987.51	987.19	5	10	982.5	972.5	12.7	974.8	N/A
GMA1-26	532359.40	131417.30	983.73	985.53	5	10	978.7	968.7	9.2	974.5	N/A
GMA1-27	532319.70	131693.20	981.30	983.29	4	10	977.3	967.3	6.0	975.3	N/A
GMA1-28	532449.00	131306.00	981.70	983.49	4	10	977.7	967.7	8.1	973.6	N/A
MW-1D	532513.20	131501.30	984.50	987.20	21.9	14.5	962.6	948.1	11.0	973.5	950
MW-1S	532519.00	131497.20	984.60	986.60	7.9	14.5	976.7	962.2	11.2	973.4	950
N2SC-01I	532583.13	131668.56	983.60	984.99	28	7	955.6	948.6	10.4	973.2	946
N2SC-01I(R)	532577.40	131668.80	983.30	985.98	28	10	955.3	945.3	N/A	971.3	N/A
N2SC-02	532594.30	131592.60	983.30	985.56	26.5	10	956.8	946.8	8.9	974.4	947
N2SC-03I	532536.68	131579.89	983.53	985.33	27	10	956.5	946.5	7.9	975.6	948
N2SC-03I(R)	532536.68	131579.89	983.53	985.33	28	10	955.5	945.5	N/A	972.7	
N2SC-07	532721.95	131582.50	982.89	984.61	25	10	957.9	947.9	9.6	973.2	948
N2SC-07S	532707.00	131599.50	983.17	982.93	8.9	10	974.3	964.3	10.5	972.7	948
N2SC-08	532481.42	131722.50	983.70	986.07	29	10	954.7	944.7	9.6	974.1	945
N2SC-09I	532443.75	131612.08	985.22	987.77	30	10	955.2	945.2	10.9	974.4	949
N2SC-09S	532438.64	131611.72	982.92	982.75	5	10	977.9	967.9	7.7	975.2	949
N2SC-13I	532549.04	131638.27	983.00	984.75	28.5	10	954.5	944.5	9.3	973.7	945
N2SC-14	532617.20	131618.23	983.40	985.06	26	10	957.4	947.4	12.3	971.1	947
N2SC-16	532614.00	131558.35	983.40	985.62	29	10	954.4	944.4	10.0	973.4	944
NS-09R	532771.30	131758.60	983.68	983.46	6	10	977.7	967.7	11.1	N/A	956
NS-10	532517.43	131813.35	987.44	987.14	5	15	982.4	967.4	12.7	974.7	950
NS-20	532361.30	131815.43	985.60	985.29	6	10	979.6	969.6	6.8	978.8	954
NS-30	532686.78	131552.33	983.10	985.99	26.1	9.5	957.0	947.5	7.5	975.6	948
NS-32	532667.98	131618.21	983.60	986.20	28.6	9.5	955.0	945.5	8.7	974.9	946
NS-37	532786.16	132142.18	983.60	986.20	11.05	9.5	972.6	963.1	11.0	972.6	943
Newell Street Area I											
FW-16R	532907.36	132756.80	984.10	986.51	8	9.5	976.1	966.6	10.7	973.4	955
IA-9R	532749.28	132436.47	984.70	984.14	7.4	9.5	977.3	967.8	11.2	973.5	958
MM-1	532538.00	132097.40	988.34	988.04	5	10	983.3	973.3	12.1	976.2	957
Silver Lake Area											
SLGW-1S	534100.50	130531.10	981.20	982.94	4	10	977.2	967.2	4.9	976.3	<945.2
SLGW-5S	533003.70	130023.50	979.78	979.12	2	10	977.78	967.78	3.7	976.1	<945.78
SLGW-6S	533308.00	131017.30	982.20	981.66	4	10	978.2	968.2	5.9	976.3	<946.2

NOTES:

1. The listed wells were utilized during fall 2005 for groundwater elevation/NAPL monitoring.
2. Feet AMSL: Feet above mean sea level
3. Feet bgs: Feet below ground surface
4. N/A: Information not available.
5. Wells ES2-15R, ES2-17R (East Street Area 2-South), A7-R (East Street Area 2-North) and LS-43R (Lyman Street) were installed in fall 2008 to replace damaged wells

Table 2
Groundwater/NAPL Monitoring Program and Removal Criteria

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
40s Complex			
95-17	Semi-Annual		Replacement for well RF-04
30s Complex			
95-16	Semi-Annual		Noted as demolished in fall 2008.
ES2-19	Semi-Annual		
GMA1-3*	Semi-Annual		
GMA1-12	Semi-Annual		
RF-03	Semi-Annual		
RF-03D	Supplemental Data Collection		Monitored in place of well RF-03 in Spring 2008.
RF-16R	Semi-Annual		
20s Complex			
CC	Semi-Annual		
EE	Semi-Annual		
GG	Semi-Annual		
II	Semi-Annual		
JJ	Semi-Annual		
LL-R	Semi-Annual		
O-RR	Semi-Annual		Replacement well O-RR to be installed following re-grading of area
P-R	Semi-Annual		
QQ-R	Semi-Annual		
U	Semi-Annual		
Y	Semi-Annual		

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General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
East Street Area 2-South			
01R	Semi-Annual		
2	Semi-Annual		
5	Semi-Annual		
6	Semi-Annual		
09R	Semi-Annual		
10	Semi-Annual		
13	Monthly	Any recoverable quantities of NAPL are removed	
14	Monthly	Any recoverable quantities of NAPL are removed	
16R	Semi-Annual		
19	Weekly	Any recoverable quantities of NAPL are removed	
25R	Monthly	Any recoverable quantities of NAPL are removed	
26RR	Monthly		
28	Semi-Annual		
29	Semi-Annual		
30	Monthly		
31	Semi-Annual		
32	Semi-Annual		
34	Semi-Annual		
35	Semi-Annual		
36	Semi-Annual		
37	Semi-Annual		
38	Semi-Annual		
40R	Monthly		
42	Semi-Annual		
43	Semi-Annual		
44	Semi-Annual		

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General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
47	Quarterly		
48	Monthly	Any recoverable quantities of NAPL are removed	
49R	Monthly		
49RR	Monthly		
50	Quarterly		
51	Semi-Annual		
52	Semi-Annual		
53	Quarterly		
54	Semi-Annual		
55	Monthly		
57	Semi-Annual		
58	Semi-Annual		
59	Semi-Annual		
64	Semi-Annual		
64R	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
64S	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
64V	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
64X(N)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
64X(S)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
64X(W)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
95-01	Monthly	Any recoverable quantities of NAPL are removed	
95-04R	Monthly	Any recoverable quantities of NAPL are removed	
95-05	Semi-Annual		

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Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
95-07R	Semi-Annual	Any recoverable quantities of NAPL are removed	
95-25*	Semi-Annual		
E2SC-03I	Monthly	Any recoverable quantities of NAPL are removed	Bailer is placed in well to collect DNAPL
E2SC-17	Semi-Annual	Any recoverable quantities of NAPL are removed	Bailer is placed in well to collect DNAPL
E2SC-21	Semi-Annual		
E2SC-23	Monthly	Any recoverable quantities of NAPL are removed	
E2SC-24	Monthly	Any recoverable quantities of NAPL are removed	
3-6C-EB-14	Semi-Annual		
3-6C-EB-22	Monthly		
3-6C-EB-25	Semi-Annual		
3-6C-EB-28	Semi-Annual		
ES2-01	Semi-Annual		
ES2-02A	Semi-Annual		
ES2-05	Semi-Annual		
ES2-06	Semi-Annual		
ES2-08	Semi-Annual		
ES2-10	Semi-Annual		
ES2-11	Semi-Annual		Replacement for well ES2-9
ES2-14	Semi-Annual		Monitoring resumed in fall 2008
ES2-15R	Semi-Annual		Monitoring resumed in fall 2008; installed in fall 2008 to replaced well ES2 15
ES2-16	Semi-Annual		
ES2-17R	Semi-Annual		Monitoring resumed in fall 2008; installed in fall 2008 to replaced well ES2 17
ES2-18	Semi-Annual		
GMA1-13	Semi-Annual		
GMA1-14	Weekly	Any recoverable quantities of NAPL are removed	
GMA1-15	Weekly	Any recoverable quantities of NAPL are removed	

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General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
GMA1-16	Weekly	Any recoverable quantities of NAPL are removed	
GMA1-17E	Monthly		
GMA1-17W	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
GMA1-19	Weekly	Any recoverable quantities of NAPL are removed	
GMA1-20	Weekly	Any recoverable quantities of NAPL are removed	
GMA1-21	Weekly	Any recoverable quantities of NAPL are removed	
GMA1-22	Weekly	Any recoverable quantities of NAPL are removed	
GMA1-23	Weekly	Any recoverable quantities of NAPL are removed	
GMA1-24	Weekly	Any recoverable quantities of NAPL are removed	
HR-C-RW-1	Semi-Annual		
HR-G1-MW-1	Quarterly		
HR-G1-MW-2	Quarterly		
HR-G1-MW-3	Quarterly		
HR-G2-MW-1	Monthly		
HR-G2-MW-2	Monthly		
HR-G2-MW-3	Monthly		
HR-G2-RW-1	Monthly	Any recoverable quantities of NAPL are removed	
HR-G3-MW-1	Quarterly		
HR-G3-MW-2	Quarterly		
HR-G3-RW-1	Quarterly		
HR-J1-MW-1	Quarterly		
HR-J1-MW-2	Quarterly		
HR-J1-MW-3	Quarterly		
HR-J1-RW-1	Quarterly		
M-R	Semi-Annual		
P3	Semi-Annual		

Table 2
Groundwater/NAPL Monitoring Program and Removal Criteria

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
PZ-1S	Semi-Annual		
PZ-6S	Semi-Annual		
RW-1(S)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
RW-1(X)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
RW-2(X)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
RW-3(X)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
RW-4	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
TMP-1	Quarterly		
East Street Area 2-North			
A7-R*	Semi-Annual		Installed in Fall 2008 to replace well A7
05-N	Semi-Annual		
11-N	Semi-Annual		
14-N	Semi-Annual		
16-N	Semi-Annual		
17-N	Semi-Annual		
17A	Semi-Annual		
19-N	Semi-Annual		
20-N	Semi-Annual		
23-N	Semi-Annual		
24-N	Semi-Annual		
95-20*	Semi-Annual		

Table 2
Groundwater/NAPL Monitoring Program and Removal Criteria

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
ES1-05	Semi-Annual		
ES1-10*	Semi-Annual		
ES1-18	Semi-Annual		
ES1-20	Semi-Annual		Monitored quarterly as part of the GMA 4 monitoring program
ES1-27R	Semi-Annual		
F-1*	Semi-Annual		
GMA1-4*	Semi-Annual		
East Street Area 1-North			
25	Semi-Annual		
52	Quarterly	Any recoverable quantities of NAPL are removed	
60R	Semi-Annual		
105	Semi-Annual		
106	Semi-Annual		
107	Semi-Annual		
108A	Semi-Annual		
109A	Semi-Annual		
118	Semi-Annual		
128	Semi-Annual		
131	Quarterly	Any recoverable quantities of NAPL are removed	
140	Quarterly	Any recoverable quantities of NAPL are removed	
ES1-08	Quarterly		
East Street Area 1 - South			
31R	Monthly		
33	Monthly		
34	Monthly	Any recoverable quantities of NAPL are removed	
35	Semi-Annual		

Table 2
Groundwater/NAPL Monitoring Program and Removal Criteria

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
37R*	Semi-Annual		
45	Semi-Annual		
46	Semi-Annual		
72	Monthly	Any recoverable quantities of NAPL are removed	
72R	Monthly	Any recoverable quantities of NAPL are removed	
75	Semi-Annual		
76	Semi-Annual		
78	Semi-Annual		
80	Semi-Annual		
90	Semi-Annual		
139R	Semi-Annual		
ES1-13	Semi-Annual		
ES1-23R	Semi-Annual		
GMA1-6	Semi-Annual		
GMA1-7	Semi-Annual		
GMA1-18	Semi-Annual		
Lyman Street Area			
B-02	Semi-Annual		
E-04	Semi-Annual		
EPA-1	Monthly		
GMA1-5	Semi-Annual		
LS-12	Semi-Annual		
LS-13	Semi-Annual		
LS-21	Semi-Annual		

Table 2
Groundwater/NAPL Monitoring Program and Removal Criteria

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
LS-24	Monthly		
LS-30	Monthly		
LS-31	Monthly		
LS-34	Quarterly		
LS-38	Monthly	Any recoverable quantities of NAPL are removed	
LS-43R	Quarterly		Installed in fall 2008 to replace LS-43
LS-44	Monthly		
LSSC-06	Semi-Annual		
LSSC-07	Weekly	Any recoverable quantities of NAPL are removed	
LSSC-08I	Weekly	Any recoverable quantities of NAPL are removed	
LSSC-08S	Monthly		
LSSC-09	Semi-Annual		
LSSC-16I	Monthly	Any recoverable quantities of NAPL are removed	
LSSC-16S	Semi-Annual		
LSSC-18	Monthly		
LSSC-32	Monthly		
LSSC-33	Monthly		
LSSC-34I	Quarterly		

Table 2
Groundwater/NAPL Monitoring Program and Removal Criteria

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
LSSC-34S	Semi-Annual		
MW-3R	Semi-Annual		
MW-4R	Semi-Annual		
MW-6R	Semi-Annual		
RW-1(R)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
RW-2	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
RW-3	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
Newell Street Area II			
GMA1-8	Semi-Annual		
GMA1-9	Semi-Annual		
GMA1-25	Semi-Annual		
GMA1-26	Semi-Annual		
GMA1-27	Semi-Annual		
GMA1-28	Semi-Annual		
MW-1D	Quarterly		
MW-1S	Quarterly		
N2SC-01I	Monthly	No NAPL is removed during routine monitoring	
N2SC-01I(R)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
N2SC-03I	Monthly	No NAPL is removed during routine monitoring	
N2SC-03I(R)	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
N2SC-02	Monthly	Any recoverable quantities of NAPL are removed	
N2SC-07	Monthly	Any recoverable quantities of NAPL are removed	

Table 2
Groundwater/NAPL Monitoring Program and Removal Criteria

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	NAPL Removal Criteria (If different from Standard Criteria for wells located where NAPL is known to be present)	Comments
N2SC-07S	Semi-Annual		
N2SC-08	Monthly		
N2SC-09I	Semi-Annual		
N2SC-13I	Semi-Annual		
N2SC-14	None	Automated recovery system in operation	Periodic monitoring conducted as part of routine maintenance activities.
N2SC-16	Semi-Annual		
NS-9R	Quarterly		
NS-10	Quarterly		
NS-20	Semi-Annual		
NS-30	Quarterly		
NS-32	Quarterly		
NS-37	Semi-Annual		
Newell Street Area I			
FW-16R	Semi-Annual		
IA-9R	Semi-Annual		
MM-1	Semi-Annual		
Silver Lake Area			
SLGW-1S	Semi-Annual		
SLGW-5S	Semi-Annual		
SLGW-6S	Semi-Annual		

NOTES:

1. Unless noted otherwise, the listed wells utilize the proposed Standard Criteria for manual NAPL removal during routine monitoring of 0.25 feet for LNAPL and 0.5 feet for DNAPL.
2. The exceptions listed above only apply for the type of NAPL that the well is designed to monitor.
3. Any NAPL observed during the bailing round conducted prior to the spring and fall semi-annual monitoring events is manually removed.
4. No NAPL is manually removed from any wells during the spring and fall semi-annual monitoring events, provided that NAPL was removed during the bailing round.
5. No NAPL is manually removed from any wells during non-routine data collection activities.
6. * This well was added into the program to evaluate the new GW-2 standard for PCBs.

Table 3
Automated LNAPL Recovery System Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

Removal Action Area /	July 2007 Recovery		August 2007 Recovery		September 2007 Recovery		October 2007 Recovery	
	LNAPL	Groundwater	LNAPL	Groundwater	LNAPL	Groundwater	LNAPL	Groundwater
EAST STREET AREA 1 - NORTH								
NORTHSIDE RECOVERY SYSTEM	0.9	11,800	1.2	12,556	0.0	12,400	0.0	15,152
EAST STREET AREA 1 - SOUTH								
SOUTHSIDE RECOVERY SYSTEM	1.1	35,770	0.0	39,570	0.0	55,950	0.0	63,450
EAST STREET AREA 2 - SOUTH								
64R	56	75,278	19	3,083	0	10	12.5	16
GMA1-17W	1	--	2	--	1	--	1	--
64S	158	516,126	58	351,341	93	169,177	339	171,979
RW-1(S)	14	728,718	24	533,804	76	388,294	137	397,362
64V	423	720,200	274	695,600	199	521,700	303	698,300
64X	4	432,000	83	489,600	191.0	403,200	110.0	475,200
RW-1(X)	0	288,576	0	486,758	0	400,292	0	478,460
RW-2(X)	0	621,704	0	748,698	17	556,053	0	596,911
LYMAN STREET AREA								
RW-1R [(1)]	0	186,214	0	100,728	0	183,351	0	144,238
RW-2 [(1)]	0	186,214	0	100,728	0	183,351	0	144,238
RW-3 [(1)]	5	186,214	0	100,728	5	183,351	5	144,238
GMA 1 TOTAL	663	3,616,386	461	3,461,738	582	2,690,427	907	3,041,068

Table 3
Automated LNAPL Recovery System Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

Removal Action Area /	November 2007 Recovery		December 2007 Recovery		Fall 2007 Total Recovery	
	LNAPL	Groundwater	LNAPL	Groundwater	LNAPL	Groundwater
EAST STREET AREA 1 - NORTH						
NORTHSIDE RECOVERY SYSTEM	0.0	11,806	0.0	13,067	2	76,781
EAST STREET AREA 1 - SOUTH						
SOUTHSIDE RECOVERY SYSTEM	0.0	62,580	0.0	75,570	1	332,890
EAST STREET AREA 2 - SOUTH						
64R	0	0	0	118	88	78,505
GMA1-17W	0	--	0	--	5	--
64S	0	181,928	0	261,518	648	1,652,069
RW-1(S)	63	406,149	68	459,311	382	2,913,638
64V	374	636,800	448	657,800	2,021	3,930,400
64X	116.0	403,200	34.0	432,000	538	2,635,200
RW-1(X)	0	393,698	0	427,529	0	2,475,313
RW-2(X)	0	527,224	0	493,808	17	3,544,398
LYMAN STREET AREA						
RW-1R [(1)]	0	139,963	0	154,499	0	908,993
RW-2 [(1)]	0	139,963	0	154,499	0	908,993
RW-3 [(1)]	0	139,963	5	154,499	20	908,993
GMA 1 TOTAL	553	2,763,348	555	2,975,220	3,721	18,548,187

Table 3
Automated LNAPL Recovery System Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

Removal Action Area /	July 2008 Recovery		August 2008 Recovery		September 2008 Recovery		October 2008 Recovery	
	LNAPL	Groundwater	LNAPL	Groundwater	LNAPL	Groundwater	LNAPL	Groundwater
EAST STREET AREA 1 - NORTH								
NORTHSIDE RECOVERY SYSTEM	0.0	19,814	0.0	12,768	0.0	16,150	0.0	16,385
EAST STREET AREA 1 - SOUTH								
SOUTHSIDE RECOVERY SYSTEM	0.0	70,420	0.0	54,760	0.0	71,100	0.0	83,130
EAST STREET AREA 2 - SOUTH								
64R	113	399,404	137	441,531	0	64,543	25	26,568
GMA1-17W	5	---	13	---	6	---	7	---
64S	258	838,706	158	644,157	426	540,952	75	561,266
RW-1(S)	55	713,272	63	526,699	24	442,163	43	506,508
64V	365	965,000	623	719,400	357	678,100	607	842,100
64X	29	504,000	21	403,200	21	388,800	12	504,000
RW-1(X)	0	468,737	0	347,550	0	370,948	0	443,769
RW-2(X)	0	858,061	12	497,005	0	687,031	0	800,721
RW-4	0	539,155	0	365,500	0	621,734	0	668,152
LYMAN STREET AREA								
RW-1R [(1)]	0	199,259	0	145,363	0	143,958	0	169,967
RW-2 [(1)]	---	199,259	---	145,363	---	143,958	---	169,967
RW-3 [(1)]	0	199,259	0	145,363	0	143,958	0	169,967
GMA 1 TOTAL	825	5,575,828	1,027	4,157,933	834	4,025,479	769	4,622,566

Table 3
Automated LNAPL Recovery System Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

Removal Action Area /	November 2008 Recovery		December 2008 Recovery		Fall 2008 Total Recovery	
	LNAPL	Groundwater	LNAPL	Groundwater	LNAPL	Groundwater
EAST STREET AREA 1 - NORTH						
NORTHSIDE RECOVERY SYSTEM	0.0	17,776	0.0	48,752	0	131,645
EAST STREET AREA 1 - SOUTH						
SOUTHSIDE RECOVERY SYSTEM	0.0	69,700	0.0	85,050	0	434,160
EAST STREET AREA 2 - SOUTH						
64R	0	185,236	0	801,537	275	1,918,819
GMA1-17W	20	---	3	---	54	--
64S	60	438,215	175	782,047	1,152	3,805,343
RW-1(S)	27	495,374	72	867,547	284	3,551,563
64V	582	744,300	1,024	1,112,100	3,558	5,061,000
64X	15	403,200	24.0	504,000	122	2,707,200
RW-1(X)	0	355,691	0	463,545	0	2,450,240
RW-2(X)	0	940,741	0	1,255,929	12	5,039,488
RW-4	0	589,044	0	883,093	0	3,666,678
LYMAN STREET AREA						
RW-1R [(1)]	0	170,210	0	296,823	0	1,125,580
RW-2 [(1)]	0	170,210	0	296,823	0	1,125,580
RW-3 [(1)]	0	170,210	0	296,823	0	1,125,580
GMA 1 TOTAL	704	4,409,487	1,298	7,100,423	5,457	29,891,716

NOTES:
1. Groundwater collection is a combined total from the RW-1(R), RW-2, and RW-3 recovery systems.
2. Well RW-4 was installed in July 2007,and automated recovery was initiated in January 2008.

Table 4
Automated DNAPL Recovery System Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

Removal Action Area / Recovery System	July 2007 DNAPL Recovery (Gallons)	August 2007 DNAPL Recovery (Gallons)	September 2007 DNAPL Recovery (Gallons)	October 2007 DNAPL Recovery (Gallons)	November 2007 DNAPL Recovery (Gallons)	December 2007 DNAPL Recovery (Gallons)	Fall 2007 Total DNAPL Recovery (Gallons)
EAST STREET AREA 2-SOUTH							
RW-3(X)	25	28	40	36	20	27	175.5
NEWELL STREET AREA II							
SYSTEM 2	75.2	67.5	54.0	67.5	205.0	54	523.2
GMA 1 TOTAL	100.4	95.2	93.6	103.5	225	81	698.7

Removal Action Area / Recovery System	July 2008 DNAPL Recovery (Gallons)	August 2008 DNAPL Recovery (Gallons)	September 2008 DNAPL Recovery (Gallons)	October 2008 DNAPL Recovery (Gallons)	November 2008 DNAPL Recovery (Gallons)	December 2008 DNAPL Recovery (Gallons)	Fall 2008 Total DNAPL Recovery (Gallons)
EAST STREET AREA 2-SOUTH							
RW-3(X)	44	34	24	30	36	38	206
NEWELL STREET AREA II							
SYSTEM 2	0	13.5	13.5	13.5	13.5	0	54.0
GMA 1 TOTAL[(2)]	49	48	38	47	50	38	268.1

Notes:

1. The DNAPL recovery systems for Newell Street Area II were shut down on July 25, 2005. An upgraded system (System 2) was completed and activated on August 30, 2006.
2. The GMA 1 DNAPL total for July 2008 and October 2008 includes 5 gallons and 3 gallons, respectively, of DNAPL manually removed from recovery system 64V.

Table 5
Seasonal Groundwater Elevation Data And Monitoring Well Usage Summary

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Ground Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Top of Screen Elevation (Feet AMSL)	Base of Screen Elevation (Feet AMSL)	Overall Average Groundwater Elevation (Feet AMSL)	Average Low Groundwater Elevation (Feet AMSL)	Average High Groundwater Elevation (Feet AMSL)	Till/Silt Elevation (Approximate) (Feet AMSL)	Type of Monitoring Applicable to Well in Fall 2008		
									Water Table	LNAPL	DNAPL
40s Complex											
95-17	1,007.6	1,007.7	987.6	977.6	984.1	983.5	983.7	983	X	X	X
30s Complex											
95-15	986.6	986.4	979.6	969.6	978.2	977.6	978.6	966	X	X	---
95-16	1,007.9	1,007.7	993.9	983.9	992.0	991.8	992.3	988	X	X	X
ES2-19	1,007.6	1,007.2	996.1	988.1	993.6	993.3	993.7	1,000	X	X	X
GMA1-3	991.3	990.8	985.6	975.6	983.6	983.5	983.7	970	X	X	---
GMA1-12	989.3	992.3	979.9	969.9	976.5	976.1	976.8	977	X	X	X
RF-03	985.6	985.4	982.6	967.6	976.1	975.8	976.1	N/A	X	X	---
RF-03D	985.5	985.3	954.9	949.9	977.7	977.6	978.0	N/A	---	---	---
RF-16R	988.2	987.9	981.2	966.2	978.6	978.5	978.7	967	X	X	X
20s Complex											
CC	998.8	998.8	982.0	967.0	980.5	979.0	982.0	972	X	X	X
EE	1,004.5	1,004.3	984.5	969.5	980.4	979.3	981.5	974	X	X	X
GG	1,007.4	1,007.4	987.4	972.4	982.6	981.8	983.4	973	X	X	X
II	1,007.3	1,007.3	987.3	972.3	981.0	979.4	982.6	973	X	X	X
JJ	1,006.4	1,006.4	983.4	968.4	980.5	979.0	982.0	968	X	X	X
LL-R	1,007.7	1,010.6	989.7	974.7	981.9	981.4	983.0	977	X	X	X
P-R	1,003.0	1,005.0	986.8	976.8	979.9	978.8	981.0	961	X	X	---
QQ-R	998.6	998.3	985.6	970.6	980.0	978.6	981.4	967	X	X	---
U	998.9	998.9	994.9	969.9	979.8	978.4	981.1	965	X	X	---
Y	1,002.9	1,002.9	996.9	966.9	979.9	978.6	981.3	966	X	X	X
East Street Area 2-South											
01R	992.9	992.7	982.9	967.9	980.4	980.1	981.0	963	X	X	---
2	996.4	995.6	981.4	971.4	978.1	977.6	979.6	967	X	X	---
5	996.0	996.1	987.0	972.0	979.8	979.5	982.6	949	X	X	---
6	991.4	991.2	976.4	966.4	976.9	976.5	978.7	947	X	---	---
09R	987.3	986.9	982.3	967.3	974.3	973.7	974.8	950	X	X	---
10	988.3	988.0	978.3	968.3	974.0	973.7	974.3	957	X	X	---
13	991.3	990.9	981.3	961.3	974.1	973.7	974.9	964	X	X	X
14	992.4	991.6	982.4	962.4	974.5	973.9	975.4	964	X	X	X
16R	987.2	987.1	981.3	961.3	975.4	974.7	976.0	951	X	X	---
19	984.1	983.6	974.1	959.1	973.3	972.8	973.7	947	X	X	---
25R	995.5	998.3	986.5	966.5	978.1	977.0	979.0	963	X	X	---
26RR	998.4	1,000.6	985.4	970.4	979.6	978.5	981.1	<970.4	X	X	---
28	991.5	991.9	976.5	966.5	978.3	976.9	978.9	958	X	---	---
29	992.1	991.6	975.1	965.1	974.0	973.7	974.8	955	X	X	---
30	990.0	989.3	976.0	966.0	977.6	976.9	978.0	960	X	X	---
31	991.0	990.6	976.0	966.0	977.5	976.9	978.1	960	X	X	---

Table 5
Seasonal Groundwater Elevation Data And Monitoring Well Usage Summary

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Ground Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Top of Screen Elevation (Feet AMSL)	Base of Screen Elevation (Feet AMSL)	Overall Average Groundwater Elevation (Feet AMSL)	Average Low Groundwater Elevation (Feet AMSL)	Average High Groundwater Elevation (Feet AMSL)	Till/Silt Elevation (Approximate) (Feet AMSL)	Type of Monitoring Applicable to Well in Fall 2008		
									Water Table	LNAPL	DNAPL
32	991.0	990.8	982.0	972.0	978.2	978.1	978.8	965	X	X	---
34	982.5	982.5	977.5	967.5	975.5	974.9	976.2	950	X	X	---
35	983.0	982.8	978.0	968.0	974.9	974.8	975.6	943	X	X	---
36	983.5	983.0	978.5	968.5	974.5	974.0	975.9	950	X	X	---
37	980.5	980.4	975.5	965.5	974.5	974.3	975.7	960	X	X	---
38	981.4	980.8	976.4	966.4	975.8	975.5	977.2	967	X	X	X
40R	991.6	991.6	986.6	966.6	975.9	974.7	977.1	960	X	X	---
42	988.5	988.3	978.5	968.5	975.8	975.7	977.2	952	X	X	---
43	985.7	989.7	975.7	965.7	974.8	975.3	975.4	952	X	X	---
44	988.8	988.3	978.8	968.8	976.0	975.7	977.3	957	X	X	---
47	991.6	991.1	976.6	966.6	973.8	973.6	974.9	952	X	X	---
48	989.0	992.4	974.0	964.0	975.6	975.3	976.0	948	X	X	---
49R	989.1	988.7	984.1	964.1	973.8	973.3	974.8	948	X	X	---
49RR	990.0	989.8	980.0	965.0	973.9	973.3	974.7	948	X	X	---
50	986.0	985.8	981.5	961.5	975.8	975.2	976.6	953	X	X	---
51	985.3	985.4	980.8	960.8	973.7	973.4	975.0	942	X	X	---
52	985.5	985.2	981.3	961.3	973.9	972.9	974.6	942	X	X	---
53	987.2	986.9	979.2	959.2	973.7	972.7	975.1	947	X	X	---
54	986.1	985.8	979.1	959.1	972.8	972.0	974.0	947	X	X	---
55	987.5	989.5	980.5	960.5	973.7	973.0	974.3	947	X	X	---
57	990.1	989.8	982.1	962.1	977.4	977.1	978.9	952	X	X	---
58	986.3	985.8	978.3	958.3	973.1	972.7	974.0	948	X	X	---
59	986.8	986.3	978.8	958.8	972.1	971.4	972.9	948	X	X	---
ESA2S-64	985.1	985.0	978.1	963.1	973.5	972.7	973.8	964	X	X	X
64R	994.0	993.4	978.7	972.7	977.2	976.8	977.0	957	X	X	---
64S	983.5	984.5	980.0	955.0	968.3	966.5	968.4	947	X	X	---
64S-Caisson	983.5	984.4	--	--	971.5	974.5	NO DATA	N/A	X	X	---
64V	987.0	987.3	977.0	957.0	965.7	965.6	965.5	948	X	X	X
64X(N)	983.8	984.8	N/A	969.0	973.1	972.7	973.9	947	X	X	---
64X(S)	980.5	981.6	970.5	965.5	969.6	968.7	970.2	940	X	X	---
64X(W)	983.8	984.9	973.8	966.3	969.5	968.6	970.3	945	X	X	---
95-01	983.9	983.8	975.9	965.9	974.2	973.6	974.9	N/A	X	X	---
95-04R	985.8	988.7	975.8	965.8	974.9	974.4	975.4	943	X	X	---
95-05	986.8	989.5	978.8	968.8	974.7	974.3	975.0	947	X	X	---
95-07R	992.1	994.9	975.6	965.6	976.0	975.2	976.5	946	X	X	---
95-25	985.1	988.2	977.1	967.1	973.9	973.2	975.1	949	X	X	---
E2SC-03I	980.4	982.1	945.9	935.9	972.8	972.3	974.1	936	---	---	X
E2SC-17	983.8	985.4	947.1	937.1	973.5	972.9	974.4	941	---	---	X
E2SC-21	982.3	981.7	977.3	967.3	973.7	973.3	974.2	950	X	X	---

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									Water Table	LNAPL	DNAPL
E2SC-23	990.1	992.1	981.1	971.1	975.4	974.4	976.5	955	X	X	---
E2SC-24	986.0	987.9	977.0	967.0	973.2	972.3	974.2	940	X	X	---
3-6C-EB-14	984.7	984.2	972.7	963.2	973.2	972.6	974.7	950	X	X	---
3-6C-EB-22	983.3	986.9	976.6	966.8	974.1	973.2	974.3	958	X	X	---
3-6C-EB-25	982.6	986.3	970.8	961.3	973.1	972.8	974.6	958	X	---	---
3-6C-EB-26	983.9	986.7	977.4	962.4	972.4	972.1	973.7	957	X	X	---
3-6C-EB-28	982.8	985.8	975.9	961.4	972.8	972.5	974.1	958	X	X	---
ES2-01	985.7	985.4	960.7	950.7	973.5	972.9	974.8	945	---	---	---
ES2-02A	980.2	979.6	977.2	962.2	973.6	973.4	974.3	940	X	X	---
ES2-05	990.8	990.7	981.8	966.8	973.9	973.5	975.2	963	X	X	---
ES2-06	986.3	986.0	948.8	938.8	973.6	972.9	974.8	943	---	---	X
ES2-08	995.3	994.9	985.3	970.3	973.9	973.5	975.4	962	X	X	---
ES2-10	991.8	991.6	981.8	971.8	977.6	977.1	978.1	963	X	X	---
ES2-11	985.8	985.1	980.8	965.8	974.8	974.2	975.3	945	X	X	---
ES2-14	986.7	985.9	974.7	964.7	974.0	973.4	974.5	945	X	X	---
ES2-15R	986.70	986.2	976.7	966.7	974.2	973.7	974.8	943	X	X	---
ES2-16	987.1	986.9	977.1	967.1	976.3	976.1	976.5	960	X	X	---
ES2-17R	986.6	986.0	975.6	965.6	973.5	973.3	974.7	943	X	X	---
ES2-18	987.1	986.9	975.1	953.1	973.9	973.3	974.6	962	X	X	X
GMA1-13	989.5	991.4	974.5	964.5	974.2	972.9	974.8	<964	X	X	---
GMA1-14	995.3	997.3	983.3	973.3	979.3	977.7	980.7	<973	X	X	---
GMA1-15	986.6	988.6	980.6	970.6	974.2	973.4	974.7	<970	X	X	---
GMA1-16	985.1	986.8	977.1	967.1	974.4	973.6	975.0	<967	X	X	---
GMA1-17E	993.4	993.0	985.9	975.9	978.4	977.8	979.2	N/A	X	X	---
GMA1-17W	993.3	992.6	979.3	969.3	978.3	977.4	978.3	N/A	X	X	---
GMA1-19	984.63	984.3	977.0	967.0	973.9	973.3	974.7	N/A	X	X	---
GMA1-20	983.76	983.5	976.0	966.0	973.7	973.1	974.4	N/A	X	X	---
GMA1-21	983.40	985.7	976.0	966.0	973.9	973.1	974.6	N/A	X	X	---
GMA1-22	988.74	988.5	978.7	968.7	974.0	973.4	975.0	N/A	X	X	---
GMA1-23	986.44	986.2	979.4	969.4	973.9	973.3	974.9	N/A	X	X	---
GMA1-24	984.19	983.8	978.2	968.2	973.5	973.0	974.4	N/A	X	X	---
HR-C-RW-1	N/A	N/A	N/A	N/A	NO DATA	0.0	NO DATA	N/A	---	---	X
HR-G1-MW-1	980.3	982.4	972.9	962.9	972.9	972.2	973.6	965	X	X	X
HR-G1-MW-2	978.0	980.2	962.5	952.5	972.9	972.4	973.7	960	---	---	X
HR-G1-MW-3	978.3	980.2	971.3	961.3	972.9	972.1	973.7	955	X	---	---
HR-G2-MW-1	979.1	982.6	975.7	965.7	972.8	972.2	973.3	953	X	X	---
HR-G2-MW-2	977.9	981.4	974.9	964.9	973.7	972.7	974.4	950	X	X	---
HR-G2-MW-3	984.1	987.1	975.3	965.3	973.2	972.6	973.5	940	X	X	---
HR-G2-RW-1	975.0	976.9	967.2	962.2	972.8	972.3	973.6	950	---	X	---

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									Water Table	LNAPL	DNAPL
HR-G3-MW-1	983.7	987.2	979.6	969.6	973.3	972.2	974.3	940	X	X	---
HR-G3-MW-2	984.3	987.9	980.2	970.2	973.6	973.6	972.8	935	X	X	---
HR-G3-RW-1	976.8	977.8	969.6	967.6	973.2	972.4	974.1	937	X	---	---
HR-J1-MW-1	983.6	986.0	975.4	960.4	973.0	972.3	973.4	959	X	X	---
HR-J1-MW-2	983.7	983.6	975.8	965.8	973.4	972.8	973.8	952	X	X	---
HR-J1-MW-3	984.6	987.7	978.3	963.3	973.0	972.6	973.8	951	X	X	---
HR-J1-RW-1	975.0	975.1	963.0	961.0	972.7	972.0	973.2	952	---	---	---
M-R	995.8	998.2	980.0	970.0	979.8	978.0	981.6	952	X	X	---
P3	989.3	989.3	985.3	975.3	984.0	984.0	984.2	955	X	X	---
PZ-1S	990.1	989.9	976.8	971.3	973.0	972.2	974.3	950	X	X	---
PZ-6S	984.3	984.1	977.0	971.5	972.7	972.1	973.7	942	X	X	---
RW-1(S)	987.0	987.2	977.0	957.0	969.2	969.0	969.3	950	X	X	X
RW-1(X)	982.7	982.7	973.7	958.7	968.3	967.6	969.1	943	X	X	---
RW-2(X)	986.2	986.0	977.2	962.2	971.2	969.7	972.1	951	X	X	---
RW-3(X)	980.9	980.3	944.9	934.9	972.2	971.4	973.1	936	---	---	X
RW-4	985.0	987.4	975.5	955.5	969.3	969.3	NO DATA	N/A	X	X	---
TMP-1	N/A	992.7	N/A	N/A	973.8	973.2	974.8	954	X	---	---
East Street Area 2-North											
05-N	1,009.5	1,009.2	991.5	981.5	984.9	984.9	985.3	985	X	X	X
11-N	1,011.5	1,010.9	981.5	971.5	981.3	980.0	982.6	972	X	X	X
14-N	1,010.7	1,010.5	986.7	976.7	987.1	986.9	987.2	988	X	X	X
16-N	1,011.0	1,010.7	981.0	971.0	980.7	979.5	981.9	972	X	X	X
17-N	1,010.6	1,010.5	980.6	970.6	980.9	979.7	982.0	975	X	X	X
17A	1,024.2	1,023.9	1,019.2	1,004.2	1,016.2	1,015.7	1,015.8	1,014	X	X	X
19-N	1,011.1	1,010.7	981.1	971.1	981.5	980.5	982.4	977	X	X	X
20-N	1,011.2	1,010.7	981.2	971.2	982.3	981.4	983.2	977	X	---	X
23-N	1,011.3	1,011.1	981.3	971.3	981.2	980.0	982.3	979	X	X	X
24-N	1,011.1	1,010.5	981.1	971.1	981.4	980.3	982.7	980	X	X	X
95-20	1,010.8	1,010.7	1,000.8	990.8	976.5	976.1	976.8	997	---	---	X
A7-R	1,024.1	1,024.5	1,023.5	1,013.5	976.8	976.3	977.5	1,014	---	---	X
ES1-10	1,024.0	1,024.0	1,017.0	1,006.5	978.6	977.6	978.7	1,008	---	---	X
ES1-18	1,049.8	1,049.7	1,045.8	1,035.8	1,042.8	1,021.4	1,042.7	1,044	---	---	X
ES1-19	1,025.8	1,025.8	1,020.8	1,010.8	996.6	0.0	997.4	N/A	---	---	
ES1-20	997.8	1,001.6	991.8	981.8	987.4	986.4	989.3	<981	X	X	---
ES1-27R	1,023.4	1,023.2	1,014.1	1,004.1	1,014.8	1,014.5	1,015.4	1,007	X	---	X
F-1	1,024.0	1,023.8	1,020.0	1,005.0	1,014.8	1,021.2	1,020.9	1,004	X	---	---
GMA1-4	1,011.8	1,011.5	1,001.5	991.5	1,020.8	995.8	996.0	993	X	X	X

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									Water Table	LNAPL	DNAPL
East Street Area 1-North											
25	1,000.7	1,000.7	998.7	983.7	994.9	994.5	995.3	991	X	X	X
ESA1N-52	999.7	999.3	997.7	977.7	994.3	994.2	994.5	990	X	X	X
60R	1,000.6	1,004.0	995.2	985.2	993.2	992.8	993.3	985	X	X	X
105	1,002.9	1,002.9	1,000.9	985.9	995.5	995.0	996.1	985	X	X	X
106	1,003.1	1,004.1	1,000.1	980.1	995.9	995.7	997.1	985	X	X	X
107	1,003.9	1,003.9	1,001.9	986.9	997.0	996.7	997.4	986	X	X	X
108A	1,007.8	1,007.8	1,002.8	987.8	997.7	997.6	997.8	992	X	X	X
109A	1,005.5	1,005.4	1,000.5	985.5	997.3	997.1	997.4	988	X	X	X
118	1,001.5	1,001.5	999.5	991.5	997.2	996.8	997.6	993	X	X	X
128	1,001.4	1,001.4	1,000.4	986.4	994.7	994.4	995.1	991	X	X	X
131	1,001.3	1,001.2	998.3	993.3	996.9	996.6	997.4	993	X	X	X
140	1,000.3	1,000.3	998.3	983.3	993.0	992.6	993.5	988	X	X	X
ES1-8	1,001.2	1,000.9	996.2	986.2	995.4	995.1	996.3	987	X	X	X
North Caisson	998.0	997.8	990.5	979.5	980.6	979.9	980.2	990	X	X	X
East Street Area 1-South											
31R	1,000.5	1,000.2	995.0	985.0	991.3	991.0	991.7	991	X	X	X
33	999.5	999.5	996.5	976.5	993.9	993.3	994.1	982	X	X	X
34	999.9	999.9	996.9	976.9	994.1	994.0	994.5	983	X	X	X
35	1,000.2	1,000.2	997.2	977.2	994.5	994.3	994.8	990	X	X	X
45	1,000.1	1,000.1	998.1	978.1	994.5	994.1	994.8	990	X	X	X
46	999.8	999.8	997.8	977.8	993.9	993.7	994.2	990	X	X	X
72	1,000.6	1,000.6	997.6	977.6	994.0	993.7	994.4	983	X	X	X
72R	1,001.2	1,000.9	997.2	987.2	994.6	994.2	994.9	988	X	X	X
75	1,000.7	1,000.7	997.7	977.7	994.2	993.8	994.6	990	X	X	X
76	1,000.5	1,000.5	997.5	977.5	993.6	993.4	993.8	988	X	X	X
78	997.6	997.6	995.6	975.6	994.5	994.5	994.5	982	X	X	X
80	990.00	990.0	983.5	958.5	985.0	984.1	985.3	N/A	X	---	---
90	987.70	987.7	985.7	972.7	982.0	981.7	982.2	N/A	X	X	---
139R	987.39	986.91	981.4	971.4	976.8	975.3	977.6	N/A	X	X	---
ES1-13	1,000.0	999.9	996.0	986.0	992.9	989.9	994.1	987	X	X	X
ES1-23R	987.9	989.9	983.9	973.9	985.7	983.4	986.8	<974	X	X	X
GMA1-6	1,000.7	1,000.4	995.7	985.7	992.4	992.0	992.8	985	X	X	X
GMA1-7	986.1	985.8	980.7	970.7	974.1	973.6	974.7	964	X	X	---
GMA1-18	998.52	998.29	994.5	984.5	991.8	989.8	992.9	N/A	X	X	---
South Caisson	1,000.5	1,001.1	996.5	984.5	987.6	987.7	987.8	987	X	X	X

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									Water Table	LNAPL	DNAPL
Lyman Street Area											
B-2	978.5	978.1	975.5	960.5	971.6	971.6	973.0	N/A	X	X	---
E-4	986.0	988.0	974.4	964.4	972.3	971.9	972.9	953	X	X	---
EPA-01	983.3	983.0	965.3	961.3	972.5	971.0	972.8	958	---	---	X
GMA1-5	979.6	979.5	976.1	966.1	972.1	971.1	972.8	N/A	X	X	---
LS-12	982.6	985.5	975.6	960.6	973.0	972.7	973.9	958	X	X	X
LS-13	985.1	984.7	975.1	960.1	973.5	973.2	974.2	965	X	X	X
LS-21	983.9	983.4	975.9	965.9	972.0	971.7	973.3	967	X	X	X
LS-24	986.6	986.6	976.1	964.7	972.2	971.1	973.1	961	X	X	---
LS-30	984.2	986.4	975.6	965.6	972.6	972.1	973.3	966	X	X	X
LS-31	984.9	987.1	974.3	964.3	973.3	972.7	974.0	965	X	X	X
LS-34	983.0	985.8	967.0	957.5	972.8	971.9	973.9	958	X	---	X
LS-38	984.7	987.0	972.1	962.1	972.1	971.3	972.9	962	X	X	X
LS-43R	981.6	981.2	964.9	955.4	974.0	971.9	975.0	956	---	---	X
LS-44	981.3	980.8	964.6	955.1	972.2	971.5	973.0	956	---	---	X
LSSC-06	983.4	984.9	975.4	965.4	972.5	971.8	973.7	965	X	X	X
LSSC-07	982.9	982.5	966.9	956.9	972.8	972.1	973.4	954	---	---	X
LSSC-08I	983.6	983.1	970.6	960.6	972.4	971.0	973.1	958	X	---	X
LSSC-08S	983.6	983.1	978.6	968.6	972.1	971.0	972.7	958	X	X	---
LSSC-09	983.4	985.1	977.4	967.4	971.9	971.4	973.0	965	X	X	---
LSSC-16I	981.6	980.9	963.6	953.6	972.3	971.9	972.3	956	---	---	X
LSSC-16S	981.5	981.4	976.5	966.5	972.8	971.9	973.8	956	X	X	---
LSSC-18	987.6	987.3	978.6	968.6	972.4	971.3	973.4	961	X	X	---
LSSC-32	980.9	980.7	954.9	944.9	972.5	971.6	973.4	949	---	---	X
LSSC-33	981.0	980.5	961.0	951.0	972.5	971.6	973.4	955	---	---	X
LSSC-34I	983.0	984.7	968.0	958.0	972.0	971.2	973.0	960	X	---	X
LSSC-34S	982.9	985.0	977.9	967.9	972.1	971.6	973.1	960	X	X	---
MW-3R	981.9	981.8	971.9	966.9	973.1	973.0	974.7	<966.9	X	---	---
MW-4R	981.2	980.8	975.7	965.7	972.4	971.3	973.2	<969.7	X	X	--
MW-6R	985.5	985.1	981.5	971.5	974.5	974.0	975.1	<971.5	X	X	--
RW-1(R)	984.8	985.1	975.4	965.4	969.2	969.1	969.1	965	X	X	X
RW-2	986.0	985.9	975.0	965.0	971.9	971.2	973.3	968	X	X	X
RW-3	984.0	984.1	N/A	N/A	968.3	968.0	968.6	965	X	X	---

Table 5
Seasonal Groundwater Elevation Data And Monitoring Well Usage Summary

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Ground Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Top of Screen Elevation (Feet AMSL)	Base of Screen Elevation (Feet AMSL)	Overall Average Groundwater Elevation (Feet AMSL)	Average Low Groundwater Elevation (Feet AMSL)	Average High Groundwater Elevation (Feet AMSL)	Till/Silt Elevation (Approximate) (Feet AMSL)	Type of Monitoring Applicable to Well in Fall 2008		
									Water Table	LNAPL	DNAPL
Newell Street Area II											
GMA1-8	981.9	981.7	976.2	966.2	972.4	971.5	973.4	961	X	X	---
GMA1-9	979.1	982.4	972.0	962.0	972.9	972.1	973.6	957	X	---	---
GMA1-25	987.51	987.2	987.5	987.5	974.8	973.0	978.0	N/A	X	---	X
GMA1-26	983.73	985.5	983.7	983.7	974.5	973.3	975.4	N/A	X	---	X
GMA1-27	981.30	983.3	981.3	981.3	975.3	974.6	976.7	N/A	X	---	X
GMA1-28	981.70	983.5	981.7	981.7	973.6	972.7	975.0	N/A	X	---	X
MW-1D	984.5	987.2	962.6	948.1	973.5	972.8	974.4	950	---	---	X
MW-1S	984.6	986.6	976.7	962.2	973.4	972.8	974.5	950	X	X	X
N2SC-01I	983.60	985.0	955.6	948.6	973.2	973.3	973.6	946	---	---	X
N2SC-01I(R)	983.30	985.98	955.3	945.3	974.4	974.4	975.5	946	---	---	X
N2SC-2	983.3	985.6	956.8	946.8	974.4	973.2	975.5	947	---	---	X
N2SC-03I	983.53	985.3	956.5	946.5	975.6	976.0	975.1	948	---	---	X
N2SC-03I(R)	983.5	985.33	955.5	945.5	972.7	972.1	973.7	946	---	---	X
N2SC-07	982.9	984.6	957.9	947.9	973.2	972.4	973.7	948	---	---	X
N2SC-07S	983.2	982.9	974.3	964.3	972.7	971.6	973.5	948	X	X	---
N2SC-08	983.7	986.1	954.7	944.7	974.1	973.6	974.6	945	---	---	X
N2SC-09I	985.2	987.8	955.2	945.2	974.4	973.4	976.0	949	---	---	X
N2SC-09S	982.9	987.8	977.9	967.9	975.2	973.8	977.6	949	X	X	---
N2SC-13I	983.0	984.8	954.5	944.5	973.7	973.1	974.9	945	---	---	X
N2SC-14	983.40	985.1	957.4	947.4	971.1	970.7	971.9	947	---	---	X
N2SC-16	983.4	985.6	954.4	944.4	973.4	972.1	974.3	944	---	---	X
NS-09R	983.68	983.5	977.7	967.7	972.4	971.8	973.5	956	X	X	---
NS-10	987.4	984.6	982.4	967.4	974.7	973.8	975.7	950	X	X	---
NS-20	985.6	985.3	979.6	969.6	978.8	978.8	979.6	954	X	X	---
NS-30	983.10	986.0	957.0	947.5	975.6	976.2	975.4	948	---	---	X
NS-32	983.60	986.2	955.0	945.5	974.9	975.1	974.7	946	---	---	X
NS-37	983.6	986.2	972.6	963.1	972.6	971.3	973.6	943	X	X	---
Newell Street Area I											
FW-16R	984.1	986.5	976.1	966.6	973.4	972.4	974.8	955	X	X	---
IA-9R	984.7	984.1	977.3	967.8	973.5	972.5	974.2	958	X	X	---
MM-1	988.3	988.0	983.3	973.3	976.2	975.7	977.0	957	X	X	---

Table 5
Seasonal Groundwater Elevation Data And Monitoring Well Usage Summary

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Ground Elevation (Feet AMSL)	Measuring Point Elevation (Feet AMSL)	Top of Screen Elevation (Feet AMSL)	Base of Screen Elevation (Feet AMSL)	Overall Average Groundwater Elevation (Feet AMSL)	Average Low Groundwater Elevation (Feet AMSL)	Average High Groundwater Elevation (Feet AMSL)	Till/Silt Elevation (Approximate) (Feet AMSL)	Type of Monitoring Applicable to Well in Fall 2008		
									Water Table	LNAPL	DNAPL
Silver Lake Area											
SLGW-1S	981.2	982.9	977.2	967.2	976.3	975.9	976.4	<945.2	X	X	---
SLGW-5S	979.8	979.1	977.78	967.78	976.1	975.8	976.2	<945.78	X	X	---
SLGW-6S	982.2	981.7	978.2	968.2	976.3	975.6	976.6	<946.2	X	X	---

NOTES:

1. Feet AMSL: Feet above mean sea level
2. Feet BGS: Feet below ground surface
3. N/A: Information not available.
4. Wells are considered to be applicable for DNAPL monitoring if the base of the well screen is less than 1 foot above the till/silt elevation, or if DNAPL has been observed in the well at other depths.
5. Wells ES2-15R, ES2-17R (East Street Area 2-South), A7-R (East Street Area 2-North) and LS-43R (Lyman Street) were installed in fall 2008 to replace damaged wells

Table 6
Groundwater Elevation and NAPL Thickness - Fall 2008 Monitoring Round

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

	Groundwater Elevation (Feet AMSL)	LNAPL (Feet)	DNAPL (Feet)
40s Complex (RAA 1)			
95-17	983.71	ND	ND
30s Complex (RAA 2)			
95-16	Noted as Demolished		
ES2-19	994.06	ND	ND
GMA1-3	983.92	ND	ND
GMA1-12	977.78	ND	ND
RF-03	977.81	ND	NA
RF-16R	978.38	ND	ND
20s Complex (RAA 3)			
CC[4]	NA	NA	NA
EE	979.74	ND	ND
GG	981.55	< 0.01	ND
II	980.53	0.13	ND
JJ	979.81	ND	ND
LL-R	981.05	ND	ND
P-R	979.26	ND	NA
QQ-R	979.47	< 0.01	NA
U	980.26	0.05	NA
Y	979.55	ND	ND
East Street Area 2-South (RAA 4)			
01R	980.59	ND	NA
02	978.14	< 0.01	NA
05	981.69	ND	NA
06	976.92	NA	NA
09R	973.49	< 0.01	NA
10[4]	NA	NA	NA
13	973.02	0.09	ND
14	973.74	0.43	ND
16R	973.85	ND	NA
19	972.86	ND	NA
25R	977.41	2.94	NA
26RR	978.31	0.27	NA
28	975.23	NA	NA
29	973.42	0.05	NA
30	977.43	0.04	NA
31	977.31	NA	NA
32	979.03	ND	NA
34	975.79	ND	NA
35	973.86	ND	NA
36	974.67	ND	NA
37	974.72	ND	NA
38	975.83	ND	ND
40R[4]	NA	NA	NA
42	976.25	ND	NA
43	975.20	ND	NA
44	976.17	ND	NA
47	973.39	0.95	NA
48	976.72	1.70	NA
49R	973.58	ND	NA
49RR	973.41	ND	NA
50	975.09	0.01	NA
51	973.62	ND	NA

Table 6
Groundwater Elevation and NAPL Thickness - Fall 2008 Monitoring Round

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

	Groundwater Elevation (Feet AMSL)	LNAPL (Feet)	DNAPL (Feet)
52	973.28	ND	NA
53	973.52	ND	NA
54	973.05	ND	NA
55	973.28	0.58	NA
57	977.62	< 0.01	NA
58	973.30	0.10	NA
59	972.28	ND	NA
ESA2S-64	972.97	ND	NA
95-01	973.46	ND	ND
95-04R	974.45	0.20	NA
95-05	973.80	0.38	NA
95-07R	974.65	ND	NA
95-25	970.75	ND	ND
E2SC-03I*	973.48	NA	2.15
E2SC-17*	974.18	NA	ND
E2SC-21[4]	NA	NA	NA
E2SC-23	974.47	ND	NA
E2SC-24	973.40	ND	NA
3-6C-EB-14	973.31	ND	ND
3-6C-EB-22	973.35	ND	ND
3-6C-EB-25	973.68	ND	ND
3-6C-EB-28	973.48	ND	ND
64R	977.38	0.01	NA
64S	965.67	0.11	NA
64S-Caisson	NA	0.02	NA
64V	967.55	0.39	< 0.01
64X(N)	972.53	0.01	NA
64X(S)	965.95	0.10	NA
64X(W)	966.23	0.01	NA
ES2-01*	974.11	NA	NA
ES2-02A	973.13	ND	NA
ES2-05	973.80	ND	NA
ES2-06*	974.05	NA	ND
ES2-08	973.47	ND	NA
ES2-10	977.03	< 0.01	NA
ES2-11	973.87	ND	NA
ES2-16	976.17	ND	NA
ES2-18	971.34	ND	ND
GMA1-13	973.50	ND	ND
GMA1-14	978.39	ND	ND
GMA1-15	973.34	0.73	ND
GMA1-16	973.62	0.01	ND
GMA1-17E	977.39	< 0.01	ND
GMA1-17W	NA	NM	NM
GMA1-19	973.26	0.71	ND
GMA1-20	973.19	ND	ND
GMA1-21	973.35	ND	ND
GMA1-22	973.48	ND	ND
GMA1-23	973.26	ND	ND
GMA1-24	973.12	0.01	ND
HR-C-RW-1*	NA	ND	ND
HR-G1-MW-1	972.94	ND	ND
HR-G1-MW-2	973.08	ND	ND
HR-G1-MW-3	972.91	ND	ND

Table 6
Groundwater Elevation and NAPL Thickness - Fall 2008 Monitoring Round

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

	Groundwater Elevation (Feet AMSL)	LNAPL (Feet)	DNAPL (Feet)
HR-G2-MW-1	972.95	ND	ND
HR-G2-MW-2	973.91	ND	ND
HR-G2-MW-3	973.25	ND	ND
HR-G2-RW-1*	973.25	ND	ND
HR-G3-MW-1	976.64	ND	ND
HR-G3-MW-2	981.96	ND	ND
HR-G3-RW-1	971.86	ND	ND
HR-J1-MW-1	973.17	ND	ND
HR-J1-MW-2	973.70	ND	ND
HR-J1-MW-3	973.37	ND	ND
HR-J1-RW-1	973.05	ND	ND
M-R	978.28	ND	ND
P3	983.75	ND	ND
PZ-1S	973.59	ND	ND
PZ-6S	973.22	ND	ND
RW-1(S)	969.35	0.16	ND
RW-1(X)	966.98	0.01	ND
RW-2(X)	972.95	ND	ND
RW-3(X)*	970.67	ND	1.60
RW-4	969.39	ND	ND
TMP-1	973.21	ND	ND
SG-HR-1	973.01	ND	ND
East Street Area 2-North (RAA 5)			
05-N	984.85	< 0.01	0.17
11-N	981.92	ND	ND
14-N	987.20	0.26	ND
16-N	980.80	ND	ND
17-N	981.15	0.08	ND
17A	1,017.75	ND	ND
19-N	981.99	ND	ND
20-N	982.20	ND	ND
23-N	981.72	0.12	ND
24-N	982.50	ND	ND
95-20*	996.89	ND	ND
ES1-05	983.55	ND	ND
ES1-10*	1,019.24	ND	ND
ES1-18*	1,044.11	ND	ND
ES1-20	987.22	ND	ND
ES1-27R	1,016.57	ND	ND
F-1	1,021.25	ND	ND
GMA1-4	995.71	ND	ND

Table 6
Groundwater Elevation and NAPL Thickness - Fall 2008 Monitoring Round

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

	Groundwater Elevation (Feet AMSL)	LNAPL (Feet)	DNAPL (Feet)
East Street Area 1-North (RAA 6)			
25	994.08	ND	ND
52	996.36	ND	ND
60R	992.95	ND	ND
105	995.33	0.80	ND
106	995.97	0.67	ND
107	996.49	ND	ND
118	995.00	ND	ND
128	994.00	ND	ND
131	996.77	0.02	ND
140	992.59	ND	ND
108A	997.61	ND	ND
109A	997.05	ND	ND
ES1-08	994.70	ND	ND
North Caisson	979.69	< 0.01	ND
East Street Area 1-South (RAA 18)			
31R	991.24	ND	ND
33	997.40	ND	ND
34	994.95	0.01	ND
35	994.75	ND	ND
37R	979.09	ND	ND
45	993.75	0.01	ND
46	Noted as paved over.		
72	993.30	0.02	ND
72R	991.97	ND	ND
75	993.52	ND	ND
76	993.10	0.08	ND
78	995.76	ND	ND
80	985.25	ND	ND
90	982.65	ND	ND
139R	977.46	ND	ND
ES1-13	993.46	ND	ND
ES1-23R	987.63	ND	ND
GMA1-6	992.39	ND	ND
GMA1-7	976.17	ND	ND
GMA1-18	992.19	ND	ND
South Caisson	988.01	< 0.01	ND
Lyman Street Area (RAA 12)			
B-2	971.90	ND	NA
E-04	973.25	ND	NA
EPA-01*	971.79	NA	ND
GMA1-5	971.77	ND	NA
LS-12	971.38	ND	< 0.01
LS-13	973.93	ND	ND
LS-21	968.35	0.76	ND
LS-24	969.15	ND	NA

Table 6
Groundwater Elevation and NAPL Thickness - Fall 2008 Monitoring Round

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

	Groundwater Elevation (Feet AMSL)	LNAPL (Feet)	DNAPL (Feet)
LS-30	970.94	ND	0.29
LS-31	971.13	0.39	0.39
LS-34	971.33	< 0.01	0.29
LS-38	971.17	< 0.01	< 0.01
LS-43	Noted as paved over.		
LS-44*	972.03	ND	ND
LSSC-06	969.63	ND	< 0.01
LSSC-07*	972.28	< 0.01	0.16
LSSC-08S	971.71	ND	ND
LSSC-08I	971.88	NA	ND
LSSC-09	970.32	ND	ND
LSSC-16I*	972.38	< 0.01	ND
LSSC-16S	Flooded		
LSSC-18	969.51	ND	ND
LSSC-32*	972.14	ND	ND
LSSC-33*	972.22	ND	ND
LSSC-34I	969.99	ND	< 0.01
LSSC-34S	970.24	ND	ND
MW-3R	970.44	ND	ND
MW-4R	972.15	ND	ND
MW-6R	973.72	ND	ND
RW-1 (R)	967.57	ND	ND
RW-2	968.41	ND	ND
RW-3	968.71	0.01	ND
BM-2A	971.27	ND	ND
Newell Street Area II (RAA 13)			
GMA1-8	972.68	ND	ND
GMA1-9	973.29	ND	ND
GMA1-25	973.82	ND	ND
GMA1-26	973.46	ND	ND
GMA1-27	974.91	ND	ND
GMA1-28	973.17	ND	ND
MW-1D*	974.05	ND	0.31
MW-1S	973.40	ND	0.18
N2SC-01I*	973.77	NA	3.38
N2SC-01I(R)*	970.10	NA	0.29
N2SC-02*	975.36	NA	< 0.01
N2SC-03I*	976.44	NA	1.60
N2SC-03I(R)*	971.71	NA	< 0.01
N2SC-07*	974.62	NA	0.07
N2SC-07S	973.02	ND	ND
N2SC-08*	974.84	NA	1.78
N2SC-09I*	978.34	NA	< 0.01
N2SC-13I*	975.04	NA	0.73
N2SC-14*	970.35	NA	0.60
N2SC-16*	976.14	NA	< 0.01
NS-9R	972.91	ND	NA
NS-10	974.18	0.36	NA
NS-20	978.79	ND	NA

Table 6
Groundwater Elevation and NAPL Thickness - Fall 2008 Monitoring Round

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

	Groundwater Elevation (Feet AMSL)	LNAPL (Feet)	DNAPL (Feet)
NS-30*	976.57	NA	ND
NS-32*	974.73	NA	ND
NS-37	973.02	ND	NA
Newell Street Area I (RAA 14)			
FW-16R	974.11	ND	NA
IA-9R	974.06	ND	NA
MM-1	976.06	ND	NA
Silver Lake Area (RAA 17)			
SLGW-01S	977.10	ND	NA
SLGW-05S	977.13	ND	NA
SLGW-06S	976.92	ND	NA
BM-SL-5	976.07	ND	ND

Notes:

1. ND - No NAPL was detected in this well during the semi-annual monitoring round.
2. NA - Not Available. The well was dry, or, as noted in Table 5, the measurement is not applicable for this well.
3. * This well was monitored during the fall 2008 semi-annual monitoring event, but is not screened through the water table, so the data was not used for groundwater contours.
4. Wells CC (30s Complex), 10, 40R, and E2SC-21 (East Street Area 2-South) were dry during
5. Wells LS-38, LSSC-07, and LSSC-16I note that LNAPL was present in the well. Although these wells are located within a known NAPL area, they are not designed to monitor for LNAPL (see Table 5). Therefore, the LNAPL which was noted as present in these wells is most likely related to the presence of DNAPL in the wells and not an indication of LNAPL.

Table 7
Groundwater Elevation and NAPL Monitoring Data
Data Summary: Fall 2008

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			DNAPL Observations			Manual NAPL Recovery	
			Minimum (Feet AMP)	Maximum (Feet AMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Gallons)	DNAPL Recovery (Gallons)
40s Complex												
95-17	1	1,007.67	23.96	23.96	0	--	--	0	--	--	0	0
30s Complex												
95-15	1	986.38	Demolished									
95-16	2	1,007.65	Demolished									
ES2-19	3	1,007.22	13.16	15.28	0	--	--	0	--	--	0	0
GMA1-3	3	990.78	6.86	7.13	0	--	--	0	--	--	0	0
GMA1-12	1	992.26	14.48	14.48	0	--	--	0	--	--	0	0
RF-03	2	985.40	7.59	7.59	0	--	--	0	--	--	0	0
RF-03D	1	985.31	7.43	7.43	0	--	--	0	--	--	0	0
RF-16R	1	987.91	9.53	9.53	0	--	--	0	--	--	0	0
20s Complex												
CC	1	998.84	16.08	16.08	0	--	--	0	--	--	0	0
EE	1	1,004.27	24.53	24.53	0	--	--	0	--	--	0	0
GG	1	1,007.40	25.85	25.85	1	<0.01	<0.01	0	--	--	0	0
II	3	1,007.26	26.68	29.10	3	0.01	0.13	0	--	--	0.013	0
JJ	2	1,006.38	24.59	26.57	0	--	--	0	--	--	0	0
KK	1	1,006.61	24.90	24.90	0	--	--	0	--	--	0	0
LL-R	1	1,010.39	29.34	29.34	0	--	--	0	--	--	0	0
P-R	1	1,005.01	25.75	25.75	0	--	--	0	--	--	0	0
QQ-R	3	998.32	16.84	18.85	2	<0.01	0.01	0	--	--	0.002	0
U	3	998.89	18.05	19.68	2	0.01	0.05	0	--	--	0.002	0
Y	3	1,002.86	21.43	23.31	0	--	--	0	--	--	0	0
East Street Area 2 - South												
01R	1	992.72	12.13	12.13	0	--	--	0	--	--	0	0
2	2	995.64	17.15	17.50	1	<0.01	<0.01	0	--	--	0	0
5	1	996.10	14.41	14.41	0	--	--	0	--	--	0	0
6	2	991.18	14.08	14.26	0	--	--	0	--	--	0	0
09R	2	986.88	13.39	13.65	1	<0.01	<0.01	0	--	--	0	0
10	1	987.95	Dry at 15.62 feet BMP									
13	6	990.88	15.16	18.17	5	0.06	0.12	0	--	--	0.036	0
14	6	991.61	15.56	18.28	6	0.01	0.43	0	--	--	0.111	0
16R	1	987.10	13.25	13.25	0	--	--	0	--	--	0	0
19	27	983.59	9.14	11.75	0	--	--	0	--	--	0	0
25R	7	998.31	19.26	23.63	7	0.5	3.83	0	--	--	3.062	0

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			Minimum (Feet AMP)	Maximum (Feet AMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Gallons)	DNAPL Recovery (Gallons)
26RR	6	1,000.58	18.51	22.52	4	0.01	0.27	0	--	--	0.010	0
28	1	991.86	16.63	16.63	0	--	--	0	--	--	0	0
29	2	991.59	18.15	18.22	2	0.05	0.10	0	--	--	0.016	0
30	6	989.34	9.52	16.60	3	0.01	0.04	0	--	--	0	0
31	2	990.60	12.82	13.29	1	<0.01	<0.01	0	--	--	0	0
32	1	990.81	11.78	11.78	0	--	--	0	--	--	0	0
34	1	982.54	6.75	6.75	0	--	--	0	--	--	0	0
35	2	982.81	8.45	8.95	0	--	--	0	--	--	0	0
36	1	983.02	8.35	8.35	0	--	--	0	--	--	0	0
37	1	980.37	5.65	5.65	0	--	--	0	--	--	0	0
38	1	980.77	4.94	4.94	0	--	--	0	--	--	0	0
40R	2	991.60	10.50	12.53	0	--	--	0	--	--	0	0
42	3	988.33	11.60	12.16	1	<0.01	<0.01	0	--	--	0	0
43	2	989.67	14.30	14.47	0	--	--	0	--	--	0	0
44	1	988.33	12.16	12.16	0	--	--	0	--	--	0	0
47	3	991.09	17.10	18.58	3	0.32	0.95	0	--	--	0.174	0
48	6	992.39	14.68	17.45	6	1.17	1.75	0	--	--	1.148	0
49R	6	988.71	13.25	15.43	0	--	--	0	--	--	0	0
49RR	6	989.80	14.30	16.40	0	--	--	0	--	--	0	0
50	3	985.79	10.06	10.83	3	0.01	0.36	0	--	--	0.067	0
51	1	985.38	11.76	11.76	0	--	--	0	--	--	0	0
ESA2S-52	1	985.18	11.90	11.90	0	--	--	0	--	--	0	0
53	2	986.90	12.90	13.38	0	--	--	0	--	--	0	0
54	1	985.78	12.73	12.73	0	--	--	0	--	--	0	0
55	6	989.45	11.03	17.20	6	0.14	1.04	0	--	--	0.329	0
57	1	989.80	12.18	12.18	1	<0.01	<0.01	0	--	--	0	0
58	2	985.79	12.58	13.26	1	0.10	0.10	0	--	--	0	0
59	1	986.32	14.04	14.04	0	--	--	0	--	--	0	0
64	1	984.98	12.01	12.01	0	--	--	0	--	--	0	0
64R	27	993.37	15.29	16.48	27	0.01	0.03	0	--	--	0	0
64S	27	984.48	17.60	19.60	19	<0.01	0.11	0	--	--	0	0
64S - Caisson	27	NA	10.20	10.90	27	0.01	0.10	0	--	--	0	0
64V	27	987.29	20.10	22.80	27	0.39	1.00	26	<0.01	0.1	0	4.998
64X(N)	27	984.83	10.50	12.40	27	0.01	0.01	0	--	--	0	0
64X(S)	27	981.56	13.41	16.75	27	0.01	0.10	0	--	--	0	0

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			Minimum (Feet AMP)	Maximum (Feet AMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Gallons)	DNAPL Recovery (Gallons)
64X(W)	27	984.87	15.90	19.08	27	0.01	0.06	0	--	--	0	0
95-01	6	983.77	8.35	10.60	0	--	--	0	--	--	0	0
95-04R	6	988.36	13.78	15.24	6	0.20	2.66	0	--	--	4.329	0
95-05	2	989.45	16.00	16.73	2	0.38	0.63	0	--	--	0.103	0
95-07R	2	994.56	19.00	19.91	0	--	--	0	--	--	0	0
95-25	3	988.20	14.40	17.45	0	--	--	0	--	--	0	0
E2SC-03I	6	982.12	7.40	9.98	0	--	--	6	2.15	3.50	0	2.543
E2SC-17	1	985.38	11.20	11.20	0	--	--	0	--	--	0	0
E2SC-21	1	981.70	Dry at 8.25 feet BMP									
E2SC-23	6	992.07	15.20	17.60	0	--	--	0	--	--	0	0
E2SC-24	6	987.90	13.85	15.55	0	--	--	0	--	--	0	0
3-6C-EB-14	1	984.20	10.89	10.89	0	--	--	0	--	--	0	0
3-6C-EB-22	6	986.94	12.12	14.05	0	--	--	0	--	--	0	0
3-6C-EB-25	2	986.31	12.63	12.65	1	<0.01	<0.01	0	--	--	0	0
3-6C-EB-28	1	985.79	12.31	12.31	0	--	--	0	--	--	0	0
ES2-01	1	985.36	11.25	11.25	0	--	--	0	--	--	0	0
ES2-02A	2	979.63	6.50	7.51	0	--	--	0	--	--	0	0
ES2-05	1	990.65	16.85	16.85	0	--	--	0	--	--	0	0
ES2-06	2	986.00	11.95	13.25	0	--	--	0	--	--	0	0
ES2-08	1	994.87	21.40	21.40	0	--	--	0	--	--	0	0
ES2-10	1	991.55	14.52	14.52	1	<0.01	<0.01	0	--	--	0	0
ES2-11	1	985.05	11.18	11.18	0	--	--	0	--	--	0	0
ES2-14	1	985.93	12.22	12.22	1	0.01	0.01	0	--	--	0	0
ES2-15R	1	NA	11.27	11.27	1	0.13	0.13	0	--	--	0	0
ES2-16	1	986.88	10.71	10.71	0	--	--	0	--	--	0	0
ES2-17R	1	NA	11.22	11.22	0	--	--	1	0.03	0.03	0	0
ES2-18	1	986.86	15.52	15.52	0	--	--	0	--	--	0	0
HR-C-RW-1	1	N/A	5.84	5.84	0	--	--	0	--	--	0	0
HR-G1-MW-1	2	982.42	8.70	9.48	0	--	--	0	--	--	0	0
HR-G1-MW-2	2	980.23	6.44	7.15	0	--	--	0	--	--	0	0
HR-G1-MW-3	2	980.21	6.35	7.30	0	--	--	0	--	--	0	0
HR-G2-MW-1	6	982.60	8.23	11.24	0	--	--	0	--	--	0	0
HR-G2-MW-2	6	981.39	6.42	8.98	0	--	--	0	--	--	0	0
HR-G2-MW-3	6	987.14	12.60	14.92	0	--	--	0	--	--	0	0
HR-G2-RW-1	7	976.88	3.68	6.97	1	0.01	0.01	0	--	--	0	0

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			Minimum (Feet AMP)	Maximum (Feet AMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Gallons)	DNAPL Recovery (Gallons)
HR-G3-MW-1	2	987.10	13.33	14.00	0	--	--	0	--	--	0	0
HR-G3-MW-2	2	987.88	14.24	14.90	0	--	--	0	--	--	0	0
HR-G3-RW-1	2	977.78	5.35	5.92	0	--	--	0	--	--	0	0
HR-J1-MW-1	2	985.95	11.95	12.78	0	--	--	0	--	--	0	0
HR-J1-MW-2	3	983.56	9.40	9.86	0	--	--	0	--	--	0	0
HR-J1-MW-3	2	987.68	13.61	14.31	0	--	--	0	--	--	0	0
HR-J1-RW-1	2	975.05	1.94	2.00	0	--	--	0	--	--	0	0
GMA1-13	1	991.41	17.91	17.91	0	--	--	0	--	--	0	0
GMA1-14	27	997.43	15.28	19.23	7	0.01	0.05	0	--	--	0.021	0
GMA1-15	27	988.59	13.98	16.90	27	0.47	1.15	0	--	--	3.095	0
GMA1-16	27	986.82	10.80	13.80	20	0.01	0.23	0	--	--	0.129	0
GMA1-17E	6	993.03	12.66	15.64	1	<0.01	<0.01	0	--	--	0	0
GMA1-17W	4	992.63	17.30	18.10	4	0.01	0.01	0	--	--	0	0
GMA1-19	27	984.28	9.20	13.10	25	0.04	1.55	0	--	--	2.935	0
GMA1-20	27	983.49	8.60	11.25	0	--	--	0	--	--	0	0
GMA1-21	29	985.68	10.30	13.33	0	--	--	0	--	--	0	0
GMA1-22	27	988.45	12.74	15.65	0	--	--	0	--	--	0	0
GMA1-23	27	986.16	10.60	13.50	0	--	--	0	--	--	0	0
GMA1-24	27	983.81	8.88	11.60	1	0.01	0.01	0	--	--	0.002	0
M-R	2	998.19	19.24	19.91	1	0.01	0.01	0	--	--	0.002	0
P3	2	989.25	5.20	5.50	1	0.02	0.02	0	--	--	0.003	0
PZ-1S	1	989.93	16.34	16.34	0	--	--	0	--	--	0	0
PZ-6S	1	984.13	10.91	10.91	0	--	--	0	--	--	0	0
RW-1(S)	27	987.23	17.04	19.60	27	<0.01	0.51	0	--	--	0	0
RW-1(X)	27	982.68	13.12	15.98	25	<0.01	0.24	0	--	--	0	0
RW-2(X)	27	985.96	11.50	14.60	1	0.01	0.01	0	--	--	0	0
RW-3(X)	27	980.28	8.00	9.80	0	--	--	27	1.30	2.50	0	0
RW-4	27	987.44	17.80	19.10	5	<0.01	<0.01	0	--	--	0	0
TMP-1	2	992.74	18.95	19.53	0	--	--	0	--	--	0	0
SG-HR-1	32	990.73	17.00	19.95	32	--	--	0	--	--	0	0

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			Minimum (Feet AMP)	Maximum (Feet AMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Gallons)	DNAPL Recovery (Gallons)
East Street Area 2 - North												
A7	1	1,024.07	Well paved over.									
A7-R	3	NA	6.63	6.83	0	--	--	0	--	--	0	0
05-N	2	1,009.23	24.38	24.52	1	<0.01	<0.01	1	0.17	0.17	0	0
11-N	1	1,010.85	29.00	29.00	0	--	--	0	--	--	0	0
14-N	2	1,010.53	23.57	24.05	2	0.26	0.48	0	--	--	0.078	0
16-N	1	1,010.65	29.85	29.85	0	--	--	0	--	--	0	0
17-N	2	1,010.49	29.19	29.41	2	0.04	0.08	0	--	--	0.007	0
17A	3	1,023.86	6.11	14.30	0	--	--	0	--	--	0	0
19-N	1	1,010.68	28.69	28.69	0	--	--	0	--	--	0	0
20-N	2	1,010.66	28.40	28.46	0	--	--	0	--	--	0	0
23-N	2	1,011.13	29.38	29.52	2	0.12	0.20	0	--	--	0.032	0
24-N	1	1,010.50	28.00	28.00	0	--	--	0	--	--	0	0
95-20	3	1,010.67	13.78	16.30	0	--	--	0	--	--	0	0
ES1-05	1	1,023.33	39.78	39.78	0	--	--	0	--	--	0	0
ES1-10	3	1,023.99	4.75	6.57	0	--	--	0	--	--	0	0
ES1-18	3	1,049.71	5.60	8.63	0	--	--	0	--	--	0	0
ES1-20	2	1,001.56	14.34	14.60	0	--	--	0	--	--	0	0
ES1-27R	1	1,023.19	6.62	6.62	0	--	--	0	--	--	0	0
GMA1-4	2	1,011.52	15.81	17.02	0	--	--	0	--	--	0	0
F-1	3	1,023.84	2.30	3.05	0	--	--	0	--	--	0	0
East Street Area 1 - North												
25	1	1,000.70	6.62	6.62	0	--	--	0	--	--	0	0
ESA1N-52	4	999.26	2.90	5.65	0	--	--	0	--	--	0	0
60R	1	1,004.03	11.08	11.08	0	--	--	0	--	--	0	0
105	2	1,002.85	8.26	8.83	2	0.80	1.30	0	--	--	0.049	0
106	2	1,004.06	8.71	9.90	2	0.67	1.17	0	--	--	0.191	0
107	1	1,003.86	7.37	7.37	0	--	--	0	--	--	0	0
108A	1	1,007.79	10.18	10.18	0	--	--	0	--	--	0	0
109A	1	1,005.43	8.38	8.38	0	--	--	0	--	--	0	0
118	1	1,001.50	6.50	6.50	0	--	--	0	--	--	0	0
128	1	1,001.41	7.41	7.41	0	--	--	0	--	--	0	0
131	3	1,001.18	3.98	4.82	1	0.02	0.02	0	--	--	0	0
140	2	1,000.30	7.35	7.71	0	--	--	0	--	--	0	0
ES1-08	3	1,000.85	5.33	6.20	0	--	--	0	--	--	0	0

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North Caisson	27	997.84	14.50	18.51	27	<0.01	0.01	0	--	--	0	0
East Street Area 1 - South												
31R	6	1,000.23	8.42	9.15	0	--	--	0	--	--	0	0
33	6	999.50	2.10	6.70	1	0.01	0.01	0	--	--	0.002	0
34	6	999.90	4.96	6.56	4	0.01	0.01	0	--	--	0.005	0
35	2	1,000.15	5.40	6.35	1	0.01	0.01	0	--	--	0.002	0
37R	3	988.79	9.70	12.30	0	--	--	0	--	--	0	0
45	2	1,000.10	6.34	6.36	1	0.01	0.01	0	--	--	0	0
46	1	999.80	Noted as partially paved over.									
72	6	1,000.62	5.72	7.51	6	0.01	0.15	0	--	--	0.057	0
72R	6	1,000.92	5.43	8.95	0	--	--	0	--	--	0	0
75	1	1,000.65	7.13	7.13	0	--	--	0	--	--	0	0
76	2	1,000.45	7.42	7.80	2	0.08	0.5	0	--	--	0.081	0
78	1	997.61	1.85	1.85	0	--	--	0	--	--	0	0
80	1	989.98	4.73	4.73	0	--	--	0	--	--	0	0
90	1	987.65	5.00	5.00	0	--	--	0	--	--	0	0
139R	2	986.91	8.25	9.45	0	--	--	0	--	--	0	0
ES1-13	1	999.93	6.47	6.47	0	--	--	0	--	--	0	0
ES1-23R	1	989.94	2.31	2.31	0	--	--	0	--	--	0	0
GMA1-6	1	1,000.44	8.05	8.05	0	--	--	0	--	--	0	0
GMA1-7	1	985.81	9.64	9.64	0	--	--	0	--	--	0	0
GMA1-18	2	998.29	4.95	6.10	0	--	--	0	--	--	0	0
South Caisson	27	1,001.11	11.18	13.61	27	<0.01	0.01	0	--	--	0	0

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			Minimum (Feet AMP)	Maximum (Feet AMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Gallons)	DNAPL Recovery (Gallons)
Lyman Street Area												
B-2	1	987.98	6.16	6.16	0	--	--	0	--	--	0	0
E-04	1	987.98	14.73	14.73	0	--	--	0	--	--	0	0
EPA-01	6	983.04	10.34	12.82	0	--	--	0	--	--	0	0
GMA1-5	1	979.50	7.73	7.73	0	--	--	0	--	--	0	0
LS-12	2	985.49	14.11	15.40	0	--	--	2	<0.01	0.18	0	0.029
LS-13	2	985.49	16.11	16.56	1	0.01	0.01	0	--	--	0.002	0
LS-21	2	983.42	15.78	16.20	2	0.76	0.84	0	--	--	0.137	0
LS-24	7	983.42	16.20	18.31	0	--	--	0	--	--	0	0
LS-30	6	986.44	14.35	15.80	0	--	--	6	0.13	0.93	0	0.396
LS-31	6	987.09	14.75	16.32	2	0.05	0.39	6	0.15	0.59	0.008	0.206
LS-34	3	985.79	14.46	15.58	1	<0.01	<0.01	3	0.29	0.68	0	0.186
LS-38	6	986.95	14.82	17.05	1	<0.01	<0.01	2	<0.01	0.05	0	0.008
LS-43	2	981.17	Well paved over.									
LS-43R	2	NA	9.43	9.62	0	--	--	0	--	--	0	0
LS-44	6	980.78	7.92	10.32	0	--	--	0	--	--	0	0
LSSC-06	2	984.91	15.28	16.50	0	--	--	1	<0.01	<0.01	0	0
LSSC-07	27	982.48	8.72	11.60	1	<0.01	<0.01	27	0.09	0.48	0	0.926
LSSC-08I	27	983.13	9.90	13.10	0	--	--	10	0.01	0.05	0	0.064
LSSC-08S	6	983.11	10.46	13.02	0	--	--	0	--	--	0	0
LSSC-09	1	985.06	14.74	14.74	0	--	--	0	--	--	0	0
LSSC-16I	6	980.88	7.40	9.71	1	<0.01	<0.01	1	0.10	0.10	0	0.016
LSSC-16S	3	981.37	10.12	10.28	0	--	--	0	--	--	0	0
LSSC-18	6	987.32	16.24	18.66	0	--	--	0	--	--	0	0
LSSC-32	6	980.68	7.50	9.90	0	--	--	0	--	--	0	0
LSSC-33	6	980.49	7.30	9.70	0	--	--	0	--	--	0	0
LSSC-34I	3	984.74	14.75	16.14	0	--	--	3	<0.01	0.13	0	0.005
LSSC-34S	2	985.01	14.77	16.20	0	--	--	0	--	--	0	0
MW-3R	3	983.54	8.23	10.91	0	--	--	0	--	--	0	0
MW-4R	1	980.82	8.67	8.67	0	--	--	0	--	--	0	0
MW-6R	1	985.14	11.42	11.42	0	--	--	0	--	--	0	0
RW-1(R)	27	985.07	17.20	17.85	10	<0.01	<0.01	7	<0.01	<0.01	0	0
RW-2	27	987.82	13.83	17.64	1	<0.01	<0.01	0	--	--	0	0
RW-3	27	984.08	14.40	15.40	27	0.01	0.07	0	--	--	0	0
BM-2A	32	986.32	13.76	16.64	0	--	--	0	--	--	0	0

Table 7
Groundwater Elevation and NAPL Monitoring Data
Data Summary: Fall 2008

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			DNAPL Observations			Manual NAPL Recovery	
			Minimum (Feet AMP)	Maximum (Feet AMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Gallons)	DNAPL Recovery (Gallons)
Newell Street Area II												
GMA1-8	1	981.66	8.98	8.98	0	--	--	0	--	--	0	0
GMA1-9	1	982.36	9.07	9.07	0	--	--	0	--	--	0	0
GMA1-25	3	987.19	13.37	13.59	0	--	--	0	--	--	0	0
GMA1-26	1	985.53	12.07	12.07	0	--	--	0	--	--	0	0
GMA1-27	3	983.29	8.38	9.14	0	--	--	0	--	--	0	0
GMA1-28	1	983.49	10.32	10.32	0	--	--	0	--	--	0	0
MW-1D	3	987.20	13.15	14.15	0	--	--	3	0.26	0.58	0	0.095
MW-1S	3	986.60	13.20	14.16	0	--	--	2	0.16	0.18	0	0.026
N2SC-01I	6	984.99	9.90	12.45	0	--	--	6	2.91	3.38	0	0.486
N2SC-01I(R)	27	985.98	13.50	16.21	0	--	--	27	<0.01	0.80	0	0
N2SC-02	6	985.56	8.90	11.70	0	--	--	1	<0.01	<0.01	0	0
N2SC-03I	6	985.33	8.40	10.97	0	--	--	6	1.60	2.14	0	0.333
N2SC-03I(R)	27	986.08	11.53	14.37	0	--	--	27	<0.01	2.00	0	0
N2SC-07	6	984.61	8.20	10.73	0	--	--	6	0.07	0.10	0	0.067
N2SC-07S	2	982.93	9.91	11.31	0	--	--	0	--	--	0	0
N2SC-08	6	986.07	9.65	11.95	0	--	--	6	1.42	1.78	0	1.283
N2SC-09I	2	987.77	9.43	10.30	0	--	--	1	<0.01	<0.01	0	0
N2SC-09S	1	982.75	9.65	9.65	0	--	--	0	--	--	0	0
N2SC-13I	2	984.75	9.71	10.65	0	--	--	2	0.31	0.73	0	0.050
N2SC-14	27	985.06	12.20	15.03	0	--	--	27	<0.01	0.96	0	0
N2SC-16	1	985.62	9.48	9.48	0	--	--	1	<0.01	<0.01	0	0
NS-9R	2	987.14	10.55	12.10	0	--	--	0	--	--	0	0
NS-10	3	987.14	13.18	13.44	3	0.03	0.36	0	--	--	0.091	0
NS-20	1	985.29	6.50	6.50	0	--	--	0	--	--	0	0
NS-30	3	985.99	9.42	10.75	0	--	--	2	0.20	0.20	0	0.032
NS-32	3	986.20	11.47	11.76	0	--	--	2	0.03	0.14	0	0.023
NS-37	1	986.20	13.18	13.18	0	--	--	0	--	--	0	0

Table 7
Groundwater Elevation and NAPL Monitoring Data
Data Summary: Fall 2008

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			DNAPL Observations			Manual NAPL Recovery	
			Minimum (Feet AMP)	Maximum (Feet AMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Gallons)	DNAPL Recovery (Gallons)
Newell Street Area I												
FW-16R	1	986.51	12.40	12.40	0	--	--	0	--	--	0	0
IA-9R	1	984.14	10.08	10.08	0	--	--	0	--	--	0	0
MM-1	3	988.04	11.98	12.40	0	--	--	0	--	--	0	0
Silver Lake Area												
SLGW-1S	1	982.94	5.84	5.84	0	--	--	0	--	--	0	0
SLGW-5S	1	979.12	1.99	1.99	0	--	--	0	--	--	0	0
SLGW-6S	1	981.66	4.74	4.74	0	--	--	0	--	--	0	0
Silver Lake Gauge	26	980.27	3.73	4.64	0	--	--	0	--	--	0	0

NOTES:
1. Measurements collected between July 1 and December 31, 2008.
2. Feet AMSL = Feet above mean sea level.
3. Feet BMP = Feet below measuring point.
4. NA indicates information not available.
5. Wells HR-G2-RW-1. 3-6C-EB-25 (East Street Area 2-South), LS-38, LSSC-07, and LSSC-16I (Lyman Street) note that LNAPL was present in the well in fall 2008. Although these wells are located within a known NAPL area, they are not designed to monitor for LNAPL (see Table 5). Therefore, the LNAPL which was noted as present in these wells is most likely related to the presence of DNAPL in the wells and not an indication of LNAPL.

Table 8
Evaluation of Sediment in Wells Monitored for DNAPL - Fall 2008

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Ground Elevation (Feet AMSL)	Well Bottom Elevation (Feet AMSL)	Measured Depth to Well Bottom Fall 2008 (Feet)	Measured Depth to Well Bottom Elevation Fall 2008 (feet AMSL)	Variance
40s Complex					
95-17	1,007.6	977.6	25.71	982.0	***4.3***
30s Complex					
95-16	1,007.88	983.9	Well Demolished		
ES2-19	1,007.6	988.1	18.88	988.3	0.2
GMA1-12	989.3	969.9	21.10	971.2	***1.2***
RF-16R	988.2	966.2	16.65	971.3	***5.1***
20s Complex					
CC	998.80	967.0	17.62	981.2	***14.2***
EE	1,004.5	969.5	33.56	970.7	***1.2***
GG	1,007.4	972.4	34.30	973.1	0.7
II	1,007.3	972.3	31.65	975.6	***3.3***
JJ	1,006.4	968.4	34.43	972.0	***3.6***
LL-R	1,007.7	974.7	25.40	985.2	***10.5***
Y	1,002.9	966.9	28.20	974.7	***7.8***
East Street Area 2-South					
13	991.3	961.3	22.38	968.5	***7.2***
14	992.4	962.4	25.30	966.3	***3.9***
38	981.4	966.4	13.61	967.2	0.8
ESA2S-64	985.1	963.1	21.01	964.0	0.9
64V	987.0	957.0	29.60	957.7	0.7
E2SC-03I	980.4	935.9	42.20	939.9	***4.0***
ES2-06	986.3	938.8	34.50	951.5	***12.7***
ES2-18	987.1	953.1	21.40	965.5	***12.4***
HR-G1-MW-1	980.3	961.9	20.28	962.1	0.2
HR-G1-MW-2	978.0	951.5	28.40	951.8	0.3
RW-1(S)	987.0	957.0	28.60	958.6	***1.6***
RW-3(X)	980.9	933.9	44.40	935.9	***2.0***
East Street Area 2-North					
05-N	1,009.5	981.5	27.65	981.6	0.1
11-N	1,011.5	971.5	35.57	975.3	***3.8***
14-N	1,010.7	976.7	30.39	980.1	***3.4***
16-N	1,011.0	971.0	37.22	973.4	***2.4***
17-N	1,010.6	970.6	39.01	971.5	0.9
17A	1,024.2	1,004.2	19.32	1,004.5	0.4
19-N	1,011.1	971.1	36.34	974.3	***3.2***
20-N	1,011.2	971.2	34.00	976.7	***5.5***
23-N	1,011.3	971.3	38.31	972.8	***1.5***
24-N	1,011.1	971.1	31.10	979.4	***8.3***
95-20	1,010.8	990.8	19.89	990.8	-0.1
ES1-10	1,024.0	1,006.5	15.85	1,008.1	***1.6***
ES1-18	1,049.8	1,035.8	14.10	1,035.6	-0.2
ES1-27R	1,023.4	1,004.1	19.02	1,004.2	0.1
GMA1-4	1,011.8	991.5	20.21	991.3	-0.2

Table 8
Evaluation of Sediment in Wells Monitored for DNAPL - Fall 2008

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Ground Elevation (Feet AMSL)	Well Bottom Elevation (Feet AMSL)	Measured Depth to Well Bottom Fall 2008 (Feet)	Measured Depth to Well Bottom Elevation Fall 2008 (feet AMSL)	Variance
East Street Area 1-North					
25	1,000.7	983.7	14.88	985.8	***2.1***
ESA1N-52	999.7	977.7	7.20	992.1	***14.3***
60R	1,000.6	985.2	19.20	984.8	-0.4
105	1,002.9	985.9	17.45	985.4	-0.5
106	1,003.1	980.1	12.60	991.5	***11.4***
107	1,003.9	986.9	17.63	986.2	-0.7
108A	1,007.8	987.8	21.80	986.0	-1.8
109A	1,005.5	985.5	20.80	984.6	-0.9
118	1,001.5	991.5	8.03	993.5	***2.0***
128	1,001.4	986.4	9.50	991.9	***5.5***
131	1,001.3	993.3	6.51	994.7	***1.4***
140	1,000.3	983.3	15.12	985.2	***1.9***
ES1-8	1,001.2	986.2	13.13	987.7	***1.6***
North Caisson	998.0	979.5	19.80	978.0	-1.5
East Street Area 1-South					
31R	1,000.5	985.0	15.00	985.2	0.3
33	999.5	976.5	21.10	978.4	***1.9***
34	999.9	976.9	21.00	978.9	***2.0***
35	1,000.2	977.2	9.50	990.7	***13.4***
45	1,000.1	978.1	19.50	980.6	***2.5***
46	999.8	977.8	NA	NA	
72	1,000.6	977.6	21.85	978.8	***1.2***
72R	1,001.2	987.2	13.30	987.6	0.4
75	1,000.7	977.7	20.60	980.1	***2.3***
76	1,000.5	977.5	18.60	981.9	***4.4***
78	997.6	975.6	21.83	975.8	0.2
ES1-13	1,000.0	986.0	12.15	987.8	***1.8***
ES1-23R	987.9	973.9	16.08	973.9	0.0
GMA1-6	1,000.7	985.7	15.04	985.4	-0.3
South Caisson	1,000.5	984.5	15.00	986.1	***1.6***
Lyman Street Area					
EPA-01	983.3	961.3	22.46	960.6	-0.8
LS-12	982.6	960.6	27.42	958.1	-2.5
LS-13	988.00	963.0	28.98	961.1	-1.9
LS-21	983.9	965.9	16.80	966.6	0.7
LS-30	984.2	965.6	23.94	962.5	-3.1
LS-31	984.9	964.3	25.44	961.7	-2.6
LS-34	983.0	957.5	29.72	956.1	-1.4
LS-38	984.7	961.7	26.08	960.9	-0.8
LS-44	981.3	955.1	23.49	957.3	***2.2***
LSSC-06	983.4	965.4	23.63	961.3	-4.2
LSSC-07	982.9	956.9	25.09	957.4	0.5
LSSC-08I	983.6	960.6	23.06	960.1	-0.5
LSSC-16I	981.6	953.6	28.52	952.4	-1.3

Table 8
Evaluation of Sediment in Wells Monitored for DNAPL - Fall 2008

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Ground Elevation (Feet AMSL)	Well Bottom Elevation (Feet AMSL)	Measured Depth to Well Bottom Fall 2008 (Feet)	Measured Depth to Well Bottom Elevation Fall 2008 (feet AMSL)	Variance
LSSC-32	980.9	944.9	35.05	945.6	0.7
LSSC-33	981.0	951.0	28.82	951.7	0.7
LSSC-34I	983.0	958.0	30.73	954.0	-4.0
RW-1(R)	984.8	964.4	21.65	963.4	-1.0
RW-2	986.0	964.0	24.70	961.2	-2.8
Newell Street Area II					
GMA1-25	987.51	972.5	17.15	970.0	-2.5
GMA1-26	983.73	968.7	16.76	968.8	0.0
GMA1-27	981.30	967.3	16.26	967.0	-0.3
GMA1-28	981.70	967.7	15.96	967.5	-0.2
MW-1D	984.5	948.1	38.73	948.5	0.4
MW-1S	984.6	962.2	22.36	964.2	***2.0***
N2SC-01I	983.60	947.6	40.28	944.7	-2.9
N2SC-01I(R)	983.30	945.3	42.60	943.4	-1.9
N2SC-2	983.3	945.8	38.15	947.4	***1.6***
N2SC-03I	983.53	946.5	37.60	947.7	***1.2***
N2SC-03I(R)	983.5	945.5	41.10	944.8	-0.7
N2SC-07	982.9	947.9	35.80	948.8	0.9
N2SC-08	983.7	944.7	41.28	944.8	0.1
N2SC-09I	985.2	945.2	38.75	949.0	***3.8***
N2SC-13I	983.0	943.5	39.51	945.2	***1.7***
N2SC-14	983.40	946.4	40.00	946.7	0.3
N2SC-16	983.4	943.4	35.65	950.0	***6.6***
NS-30	983.10	947.1	35.10	950.9	***3.8***
NS-32	983.60	945.1	37.90	948.3	***3.2***

NOTES:

1. Feet AMSL: Feet above mean sea level
2. Feet BGS: Feet below ground surface
3. N/A: Information not available.
4. Wells are considered to be applicable for DNAPL monitoring if the base of the well screen is less than 1 foot above the till/silt elevation, or if DNAPL has been observed in the well at other depths.
5. Where the Variance is shaded, bolded, and italicized, the Fall 2008 elevation at the bottom of the well is greater than one foot above the Base of Screen Elevation.
6. Wells A7-R (East Street Area 2-North) and LS-43R (Lyman Street) were installed in fall 2008, and were not included in this evaluation.

Table 9
Summary of Prior NAPL Recovery Testing

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	NAPL Type	NAPL Recovery Test Dates	Results				Report Reference
			Maximum NAPL Thickness (feet)	Average NAPL Thickness (feet)	Total NAPL Removal (liters)	Average NAPL Recovery Rate (If Applicable) (liters/hr)[4]	
East Street Area 2-South							
13	LNAPL	July 1-5, 2001	0.220	0.040	0.360	0.021	Groundwater Management Area 1 NAPL Monitoring Report for Spring 2001 (August 2001)
13	LNAPL	July 11-12, 2001	0.650	0.290	1.905	0.159	Groundwater Management Area 1 NAPL Monitoring Report for Spring 2001 (August 2001)
14	LNAPL	July 11-12, 2001	0.220	0.030	0.170	0.015	Groundwater Management Area 1 NAPL Monitoring Report for Spring 2001 (August 2001)
25R	LNAPL	November 17-20, 2008	3.500	0.210	3.930	0.119	Appendix H
95-04R	LNAPL	November 27-29, 2007	1.260	0.221	10.900	0.238	Groundwater Management Area 1 NAPL Monitoring Report for Fall 2007 (February 2008)
GMA1-15	LNAPL	May 31- June 3, 2005	0.590	0.250	3.076	0.091	Groundwater Management Area 1 NAPL Monitoring Report for Spring 2005 (August 2005)
GMA1-17W	LNAPL	May 31- June 3, 2005	1.450	0.840	9.880	0.304	Groundwater Management Area 1 NAPL Monitoring Report for Spring 2005 (August 2005)
GMA1-19	LNAPL	May 31- June 3, 2005	0.710	0.290	2.675	0.062	Groundwater Management Area 1 NAPL Monitoring Report for Spring 2005 (August 2005)
E2SC-03I	DNAPL	March 31- April 13, 1999	NR	NR	167.682	1.152	DNAPL Assessment, East Street Area 2 Site Addendum(April 1999)
E2SC-03I	DNAPL	Sept. 16-21, 1999	15.100	5.136	58.674	2.071	DNAPL Assessment, East Street Area 2 Site Addendum (October 1999)
E2SC-17	DNAPL	March 29-31, 1999	NR	NR	11.005	0.6747	DNAPL Assessment, East Street Area 2 Site Addendum(April 1999)
RW-3(X)	DNAPL	Sept. 15-21, 1999	7.930	4.726	87.821	5.459	DNAPL Assessment, East Street Area 2 Site Addendum (October 1999)
Lyman Street Area							
LS-34	DNAPL	Aug. 9-11, 1999	NR	NR	0.420	0.0027	July/August 1999 Additional Source Control Investigations, Lyman Street Site (September 1999)
LSSC-07	DNAPL	Aug. 9-11, 1999	NR	NR	3.375	0.0718	July/August 1999 Additional Source Control Investigations, Lyman Street Site (September 1999)
LSSC-16I	DNAPL	Aug. 9-11, 1999	NR	NR	0.335	0.0009	July/August 1999 Additional Source Control Investigations, Lyman Street Site (September 1999)

Table 9
Summary of Prior NAPL Recovery Testing

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	NAPL Type	NAPL Recovery Test Dates	Results				Report Reference
			Maximum NAPL Thickness (feet)	Average NAPL Thickness (feet)	Total NAPL Removal (liters)	Average NAPL Recovery Rate (If Applicable) (liters/hr)[4]	
Newell Street Area II							
N2SC-01I	DNAPL	Feb. 1, 1999	NR	NR	196.442	40.569	Groundwater Management Area 1 NAPL Monitoring Report for Fall 2003, Vol. 2 of 2, Blasland, Bouck, & Lee, Inc. (Prepared for GE), February 2004
N2SC-01I	DNAPL	August 19-20, 2003	3.340	1.370	11.300	0.505	Groundwater Management Area 1 NAPL Monitoring Report for Fall 2003, Vol. 2 of 2, Blasland, Bouck, & Lee, Inc. (Prepared for GE), February 2004
N2SC-01I	DNAPL	April 25-May 5, 2005	3.190	1.584	28.982	0.347	Groundwater Management Area I Results of DNAPL Recovery Testing and Proposed Modifications to Newell Street Area II DNAPL Recovery Systems (June 7, 2005)
N2SC-02	DNAPL	March 6-8, 2000	3.990	1.224	14.160	0.1996	Proposal for Additional DNAPL Recovery Operations (March 30, 2000)
N2SC-02	DNAPL	August 26-Sept 4, 2003	ND	ND	0	0	Groundwater Management Area 1 NAPL Monitoring Report for Fall 2003 (February 2004)
N2SC-03I	DNAPL	March 6-8, 2000	3.650	1.360	15.710	0.1941	Proposal for Additional DNAPL Recovery Operations (March 30, 2000)
N2SC-03I	DNAPL	August 13-15, 2003	1.980	0.469	4.285	0.139	Groundwater Management Area 1 NAPL Monitoring Report for Fall 2003 (February 2004)
N2SC-03I	DNAPL	April 25-May 5, 2005	3.110	1.062	15.565	0.06	Groundwater Management Area I Results of DNAPL Recovery Testing and Proposed Modifications to Newell Street Area II DNAPL Recovery Systems (June 7, 2005)
N2SC-08	DNAPL	April 25- May 5, 2005	1.860	0.125	2.306	0.005	Groundwater Management Area I Results of DNAPL Recovery Testing and Proposed Modifications to Newell Street Area II DNAPL Recovery Systems (June 7, 2005)
N2SC-14	DNAPL	April 18-20, 2000	2.780	2.656	147.615	4.658	Additional DNAPL Investigation at Newell Street Area II Groundwater Management Area 1 (May 19, 2001)

Notes:
1. NR: Data Not Recorded
2. NA: Not Applicable
3. ND: None detected.
4. Average is approximate based on NAPL removed & legnth of time for test

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
40s Complex (RAA 1)			
95-17	Semi-Annual	Semi-Annual	Well added to program in fall 2007 to replace well RF-4
30s Complex (RAA 2)			
95-15	Supplemental Data Collection	None	Noted as demolished
95-16	Semi-Annual	None	Well was destroyed
ES2-19	Semi-Annual	Semi-Annual	
GMA1-3	None	Semi-Annual	Added to program to evaluate GW-2 standard for PCBs.
GMA1-12	Semi-Annual	Semi-Annual	Data to be utilized for groundwater elevation contouring
RF-03	Semi-Annual	Semi-Annual	
RF-03D	Supplemental Data Collection	None	Well may continue to be periodically monitored as part of GMA 1 groundwater quality sampling and Silver Lake remediation programs
RF-16R	Semi-Annual	Semi-Annual	Replacement for well RF-16
20s Complex (RAA 3)			
CC	Semi-Annual	Semi-Annual	
EE	Semi-Annual	Semi-Annual	
GG	Semi-Annual	Semi-Annual	
II	Semi-Annual	Semi-Annual	
JJ	Semi-Annual	Semi-Annual	
KK	Supplemental Data Collection	None	Well KK was monitored in fall 2008
LL-R	Semi-Annual	Semi-Annual	
O-RR	None	Semi-Annual	Replacement well for O-R to be installed following re-grading of area
P-R	Semi-Annual	Semi-Annual	
QQ-R	Semi-Annual	Semi-Annual	
U	Semi-Annual	Semi-Annual	
Y	Semi-Annual	Semi-Annual	

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
East Street Area 2-South (RAA 4)			
01R	Semi-Annual	Semi-Annual	
2	Semi-Annual	Semi-Annual	
5	Semi-Annual	Semi-Annual	
6	Semi-Annual	Semi-Annual	
09R	Semi-Annual	Semi-Annual	
10	Semi-Annual	Semi-Annual	
13	Monthly	Monthly	
14	Monthly	Monthly	
16R	Semi-Annual	Semi-Annual	
19	Weekly	Weekly	
25R	Monthly	Monthly	
26RR	Monthly	Monthly	
28	Semi-Annual	Semi-Annual	
29	Semi-Annual	Semi-Annual	
30	Semi-Annual	Monthly	
31	Semi-Annual	Semi-Annual	
32	Semi-Annual	Semi-Annual	
34	Semi-Annual	Semi-Annual	
35	Semi-Annual	Semi-Annual	
36	Semi-Annual	Semi-Annual	
37	Semi-Annual	Semi-Annual	
38	Semi-Annual	Semi-Annual	
40R	Monthly	Monthly	Well added to manual monitoring program after skimmer system was removed
42	Semi-Annual	Semi-Annual	
43	Semi-Annual	Semi-Annual	
44	Semi-Annual	Semi-Annual	
47	Quarterly	Quarterly	
48	Monthly	Monthly	
49R	Monthly	Monthly	
49RR	Monthly	Monthly	
50	Quarterly	Quarterly	
51	Semi-Annual	Semi-Annual	
52	Semi-Annual	Semi-Annual	
53	Quarterly	Quarterly	
54	Semi-Annual	Semi-Annual	

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
55	Monthly	Monthly	
57	Semi-Annual	Semi-Annual	
58	Semi-Annual	Semi-Annual	
59	Semi-Annual	Semi-Annual	
64	Semi-Annual	Semi-Annual	
95-01	Monthly	Monthly	
95-04R	Monthly	Monthly	
95-05	Semi-Annual	Semi-Annual	
95-07R	Semi-Annual	Semi-Annual	
95-25	None	Semi-Annual	Added to program to evaluate GW-2 standard for PCBs.
E2SC-03I	Monthly	Monthly	
E2SC-17	Semi-Annual	Semi-Annual	
E2SC-21	Semi-Annual	Semi-Annual	
E2SC-23	Monthly	Monthly	
E2SC-24	Monthly	Monthly	
3-6C-EB-14	Semi-Annual	Semi-Annual	
3-6C-EB-22	Monthly	Monthly	
3-6C-EB-25	Semi-Annual	Semi-Annual	
3-6C-EB-28	Semi-Annual	Semi-Annual	
ES2-01	Semi-Annual	Semi-Annual	
ES2-02A	Semi-Annual	Semi-Annual	
ES2-05	Semi-Annual	Semi-Annual	
ES2-06	Semi-Annual	Semi-Annual	
ES2-08	Semi-Annual	Semi-Annual	
ES2-10	Semi-Annual	Semi-Annual	Well added to program in fall 2007 to replace well ES2-9
ES2-11	Semi-Annual	Semi-Annual	
ES2-14	Semi-Annual	Semi-Annual	Monitoring resumed in fall 2008
ES2-15R	Semi-Annual	Semi-Annual	Well ES2-15R installed fall 2008 as a replacement for well ES2-15.

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
ES2-16	Semi-Annual	Semi-Annual	
ES2-17R	Semi-Annual	Semi-Annual	Well ES2-17R installed fall 2008 as a replacement for well ES2-17.
ES2-18	Semi-Annual	Semi-Annual	
GMA1-13	Semi-Annual	Semi-Annual	
GMA1-14	Weekly	Weekly	
GMA1-15	Weekly	Weekly	
GMA1-16	Monthly	Weekly	Incorrectly noted as Monthly Monitoring Frequency in Fall 2007 report.
GMA1-17E	Monthly	Monthly	
GMA1-19	Weekly	Weekly	
GMA1-20	Weekly	Weekly	
GMA1-21	Weekly	Weekly	
GMA1-22	Weekly	Weekly	
GMA1-23	Weekly	Weekly	
GMA1-24	Weekly	Weekly	
HR-C-RW-1	Semi-Annual	Semi-Annual	
HR-G1-MW-1	Quarterly	Quarterly	
HR-G1-MW-2	Quarterly	Quarterly	
HR-G1-MW-3	Quarterly	Quarterly	
HR-G2-MW-1	Monthly	Monthly	
HR-G2-MW-2	Monthly	Monthly	
HR-G2-MW-3	Monthly	Monthly	
HR-G2-RW-1	Monthly	Monthly	
HR-G3-MW-1	Quarterly	Quarterly	
HR-G3-MW-2	Quarterly	Quarterly	
HR-G3-RW-1	Quarterly	Quarterly	
HR-J1-MW-1	Quarterly	Quarterly	
HR-J1-MW-2	Quarterly	Quarterly	
HR-J1-MW-3	Quarterly	Quarterly	
HR-J1-RW-1	Quarterly	Quarterly	
M-R	Semi-Annual	Semi-Annual	
P3	Semi-Annual	Semi-Annual	
PZ-1S	Semi-Annual	Semi-Annual	
PZ-6S	Semi-Annual	Semi-Annual	
TMP-1	Quarterly	Quarterly	

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
East Street Area 2-North (RAA 5)			
A7-R	None	Semi-Annual	Added to program to evaluate GW-2 standard for PCBs. Replacement well for A7 which was unusable.
05-N	Semi-Annual	Semi-Annual	
11-N	Semi-Annual	Semi-Annual	
14-N	Semi-Annual	Semi-Annual	
16-N	Semi-Annual	Semi-Annual	
17-N	Semi-Annual	Semi-Annual	
17A	Semi-Annual	Semi-Annual	
19-N	Semi-Annual	Semi-Annual	
20-N	Semi-Annual	Semi-Annual	
23-N	Semi-Annual	Semi-Annual	
24-N	Semi-Annual	Semi-Annual	
95-20	None	Semi-Annual	Added to program to evaluate GW-2 standard for PCBs.
ES1-05	Semi-Annual	Semi-Annual	
ES1-10	None	Semi-Annual	Added to program to evaluate GW-2 standard for PCBs.
ES1-18	Semi-Annual	Semi-Annual	
ES1-20	Semi-Annual	Semi-Annual	
ES1-27R	Semi-Annual	Semi-Annual	
F-1	None	Semi-Annual	Added to program to evaluate GW-2 standard for PCBs.
GMA1-4	None	Semi-Annual	Added to program to evaluate GW-2 standard for PCBs.
East Street Area 1-North (RAA 6)			
25	Semi-Annual	Semi-Annual	
52	Quarterly	Quarterly	Well was re-developed in fall 2008.
60R	Semi-Annual	Semi-Annual	
105	Semi-Annual	Semi-Annual	
106	Semi-Annual	Semi-Annual	
107	Semi-Annual	Semi-Annual	
108A	Semi-Annual	Semi-Annual	
109A	Semi-Annual	Semi-Annual	
118	Semi-Annual	Semi-Annual	
128	Semi-Annual	Semi-Annual	
131	Quarterly	Quarterly	
140	Quarterly	Quarterly	
ES1-08	Quarterly	Quarterly	

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
East Street Area 1 - South (RAA 18)			
31R	Monthly	Monthly	
33	Monthly	Monthly	
34	Monthly	Monthly	
35	Semi-Annual	Semi-Annual	
37R	None	Semi-Annual	Added to program to evaluate GW-2 standard for PCBs.
45	Semi-Annual	Semi-Annual	
46	Semi-Annual	Semi-Annual	Noted as partially paved over during fall 2008 semi-annual monitoring event.
72	Monthly	Monthly	
72R	Monthly	Monthly	
75	Semi-Annual	Semi-Annual	
76	Semi-Annual	Semi-Annual	
78	Semi-Annual	Semi-Annual	
80	Semi-Annual	Semi-Annual	Added to program following supplemental Phase II investigations at East Street Area 1-South
90	Semi-Annual	Semi-Annual	Added to program following supplemental Phase II investigations at East Street Area 1-South
139R	Semi-Annual	Semi-Annual	
ES1-13	Semi-Annual	Semi-Annual	
ES1-23R	Semi-Annual	Semi-Annual	Added to program following supplemental Phase II investigations at East Street Area 1-South
GMA1-6	Semi-Annual	Semi-Annual	
GMA1-7	Semi-Annual	Semi-Annual	
GMA1-18	Semi-Annual	Semi-Annual	Added to program in fall 2007 as replacement for well ES1-14

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
Lyman Street Area (RAA 12)			
B-02	Semi-Annual	Semi-Annual	
E-04	Semi-Annual	Semi-Annual	
EPA-1	Monthly	Monthly	
GMA1-5	Semi-Annual	Semi-Annual	
LS-12	Semi-Annual	Semi-Annual	
LS-13	Semi-Annual	Semi-Annual	
LS-21	Semi-Annual	Semi-Annual	
LS-24	Monthly	Monthly	
LS-30	Monthly	Monthly	
LS-31	Monthly	Monthly	
LS-34	Quarterly	Quarterly	
LS-38	Monthly	Monthly	
LS-43R	Quarterly	Quarterly	Well LS-43R installed fall 2008 as a replacement for well LS-43.
LS-44	Monthly	Monthly	
LSSC-06	Semi-Annual	Semi-Annual	
LSSC-07	Weekly	Weekly	
LSSC-08I	Weekly	Weekly	
LSSC-08S	Monthly	Monthly	
LSSC-09	Semi-Annual	Semi-Annual	
LSSC-16I	Monthly	Monthly	
LSSC-16S	Semi-Annual	Semi-Annual	
LSSC-18	Monthly	Monthly	
LSSC-32	Monthly	Monthly	
LSSC-33	Monthly	Monthly	
LSSC-34I	Quarterly	Quarterly	
LSSC-34S	Semi-Annual	Semi-Annual	
MW-3R	Semi-Annual	Semi-Annual	
MW-4R	Semi-Annual	Semi-Annual	
MW-6R	Semi-Annual	Semi-Annual	Data to be utilized for groundwater elevation contouring

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
Newell Street Area II (RAA 13)			
GMA1-8	Semi-Annual	Semi-Annual	
GMA1-9	Semi-Annual	Semi-Annual	
GMA1-25	Semi-Annual	Semi-Annual	
GMA1-26	Semi-Annual	Semi-Annual	
GMA1-27	Semi-Annual	Semi-Annual	
GMA1-28	Semi-Annual	Semi-Annual	
MW-1D	Quarterly	Quarterly	
MW-1S	Quarterly	Quarterly	
N2SC-01I	Monthly	Monthly	
N2SC-03I	Monthly	Monthly	
N2SC-02	Monthly	Monthly	
N2SC-07	Monthly	Monthly	
N2SC-07S	Semi-Annual	Semi-Annual	
N2SC-08	Monthly	Monthly	
N2SC-09I	Semi-Annual	Semi-Annual	
N2SC-13I	Semi-Annual	Semi-Annual	
N2SC-16	Semi-Annual	Semi-Annual	
NS-9R	Quarterly	Quarterly	Replacement for well NS-9 installed in spring 2008
NS-10	Quarterly	Quarterly	
NS-20	Semi-Annual	Semi-Annual	
NS-30	Quarterly	Quarterly	
NS-32	Quarterly	Quarterly	
NS-37	Semi-Annual	Semi-Annual	

Table 10
Proposed Groundwater/NAPL Monitoring Program Modifications

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well ID	Current Monitoring Frequency	Proposed Monitoring Frequency	Comments
Newell Street Area I (RAA 14)			
FW-16R	Semi-Annual	Semi-Annual	
IA-9R	Semi-Annual	Semi-Annual	
MM-1	Semi-Annual	Semi-Annual	
Silver Lake Area (RAA 17)			
SLGW-1S	Supplemental Data Collection	Semi-Annual	
SLGW-5S	Semi-Annual	Semi-Annual	
SLGW-6S	Semi-Annual	Semi-Annual	

NOTES:

1. Current monitoring frequency reflects EPA-approved modifications to program proposed in the fall 2008 monitoring report.
2. Proposed monitoring frequencies are to be implemented following EPA approval. At certain monitoring wells, the proposed modification has already been approved by EPA in other documents relating to GMA 1.

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Figures

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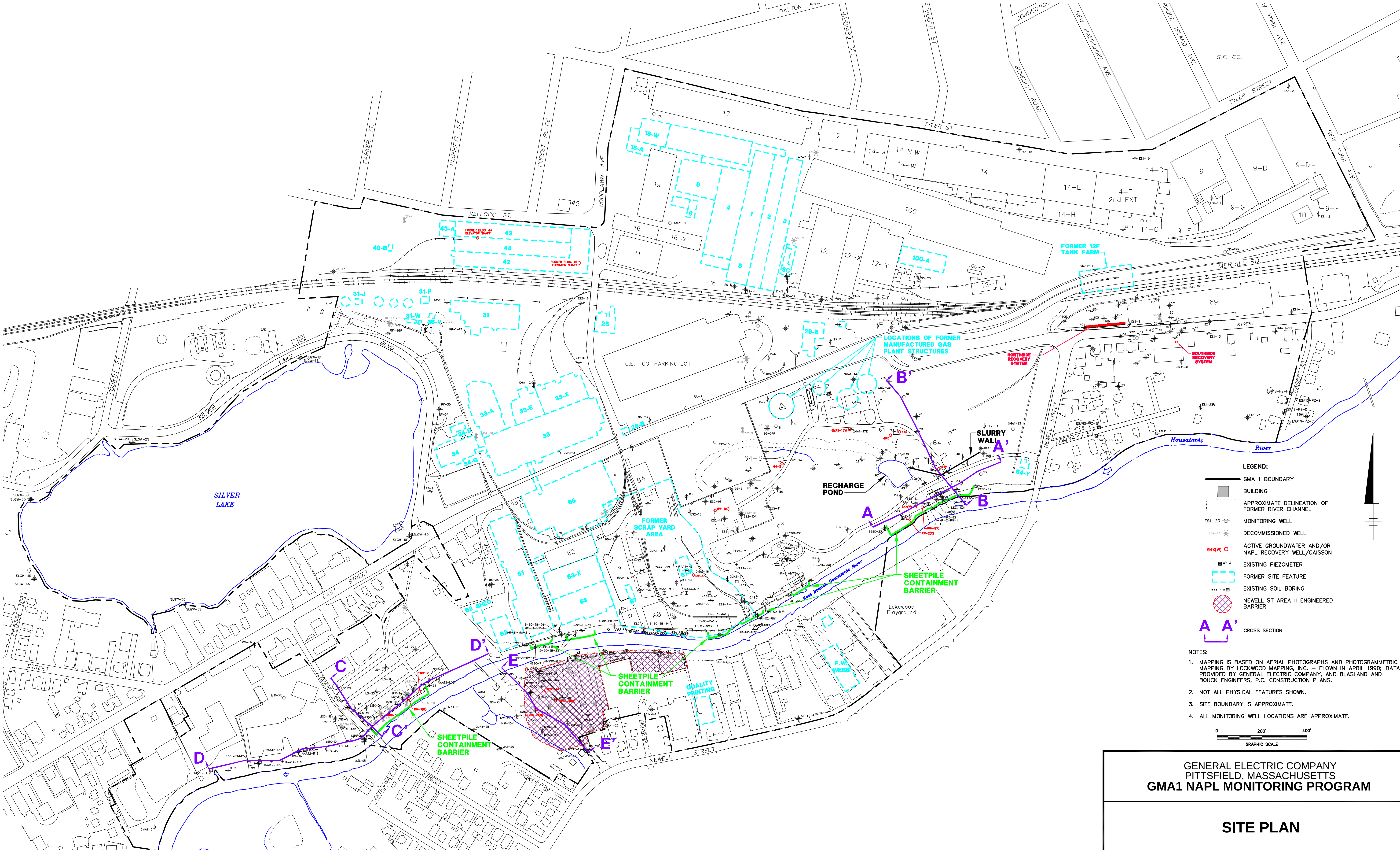
SILVER LAKE
Housatonic River
East Branch Housatonic River
G.E. CO. PARKING LOT
G.E. CO.
LOCATIONS OF FORMER MANUFACTURED GAS PLANT STRUCTURES
FORMER 12F TANK FARM
NORTHSIDE RECOVERY SYSTEM
SOUTHSIDE RECOVERY SYSTEM
SLURRY WALL
RECHARGE POND
FORMER SCRAP YARD AREA
SHEETPILE CONTAINMENT BARRIER
Lakewood Playground
FORMER BLDG. 43 ELEVATOR SHAFT
FORMER BLDG. 42 ELEVATOR SHAFT
QUALITY PRINTING
F.W. WEBB
A A'
B B'
C C'
D D'
E E'
LEGEND:
GMA 1 BOUNDARY
BUILDING
APPROXIMATE DELINEATION OF FORMER RIVER CHANNEL
ES1-23 MONITORING WELL
ES1-17 DECOMMISSIONED WELL
64X(W) ACTIVE GROUNDWATER AND/OR NAPL RECOVERY WELL/CAISSON
RF-3 EXISTING PIEZOMETER
FORMER SITE FEATURE
RAA4-K19 EXISTING SOIL BORING
NEWELL ST AREA II ENGINEERED BARRIER
A A' CROSS SECTION
NOTES:
1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
0 200' 400'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

SITE PLAN

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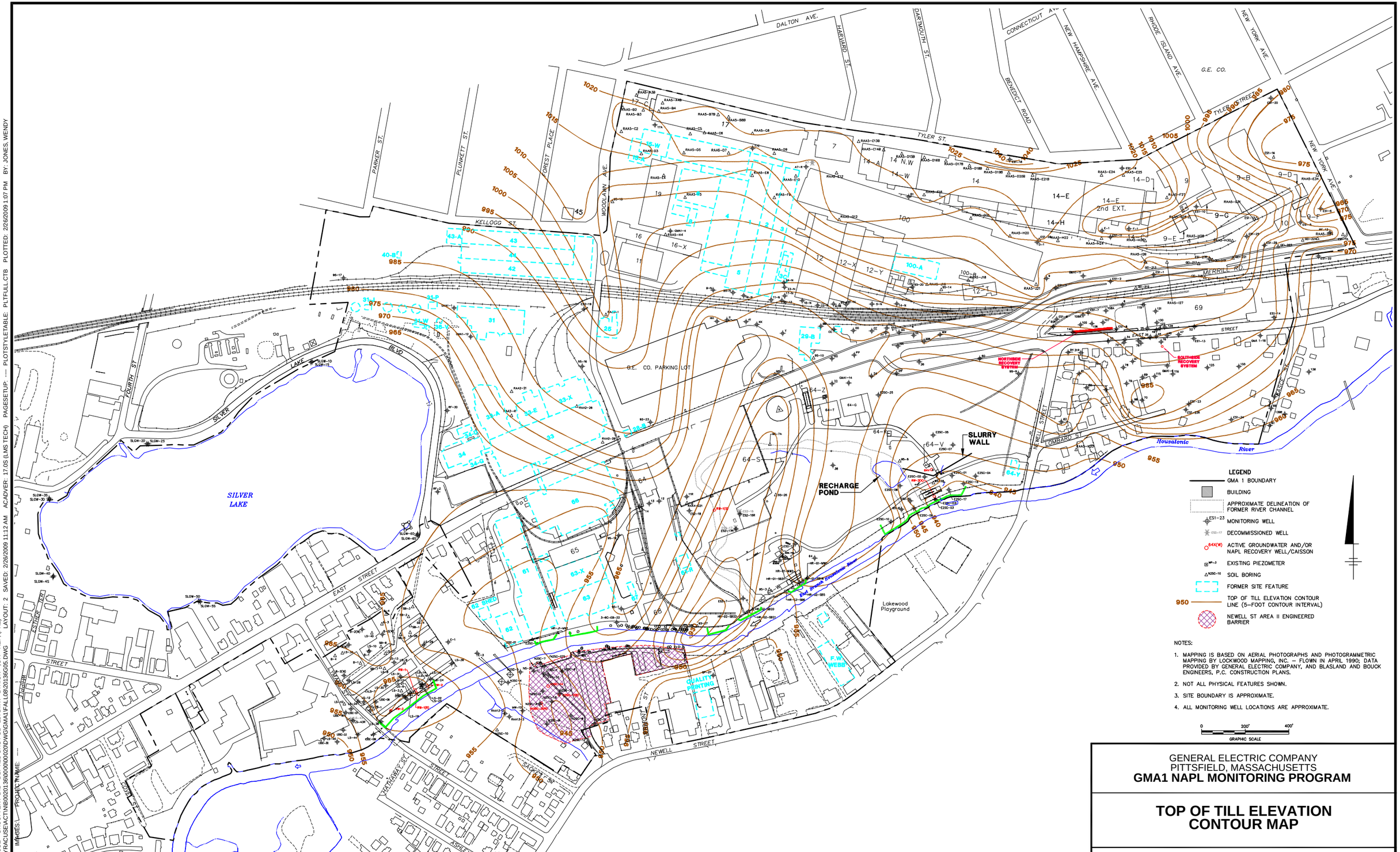
FIGURE
1



NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.

0 200' 400'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

TOP OF TILL ELEVATION CONTOUR MAP

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FIGURE
2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

HISTORICAL EXTENT OF LNAPL

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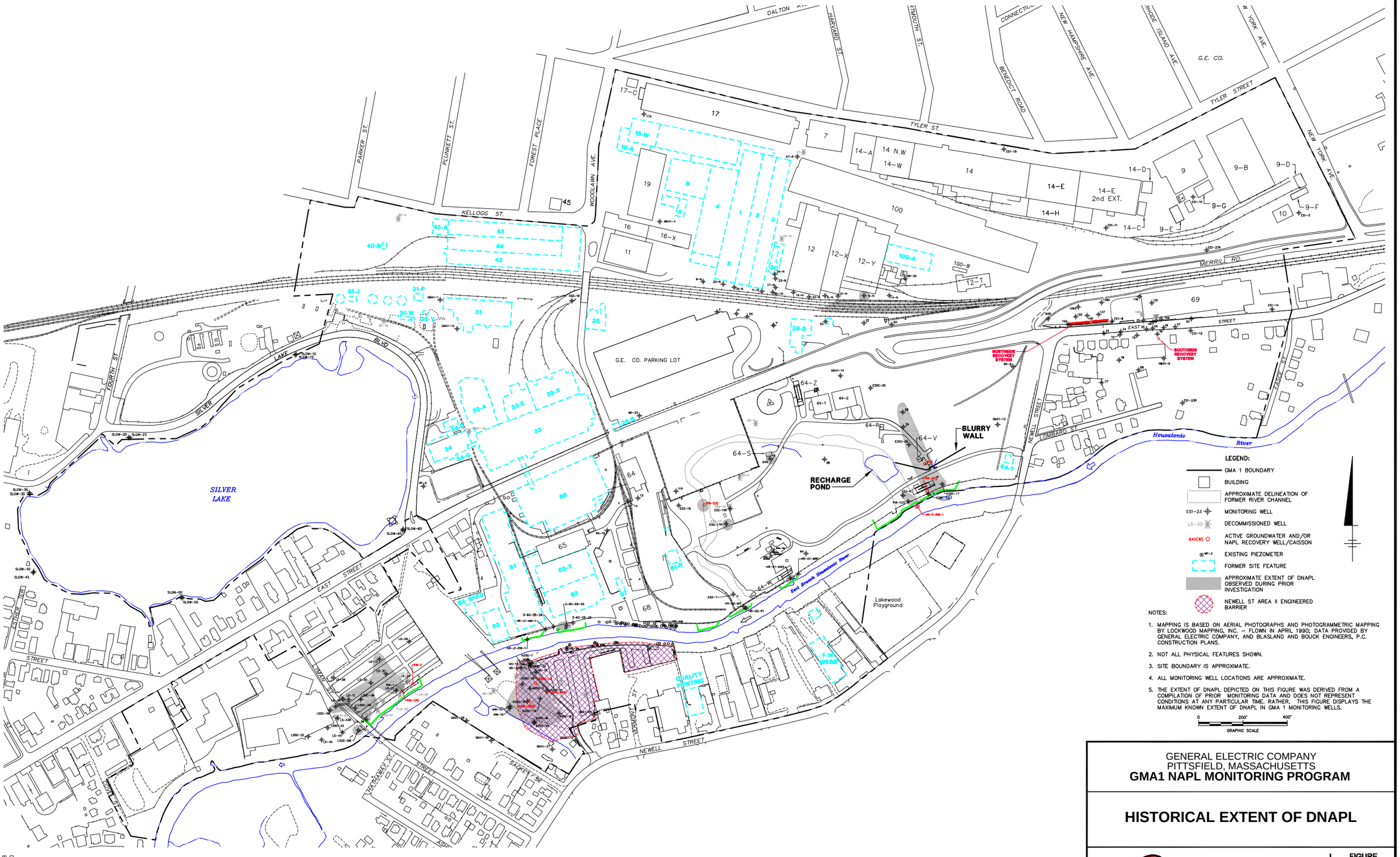
FIGURE
3



NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. THE EXTENT OF DNAPL DEPICTED ON THIS FIGURE WAS DERIVED FROM A COMPILATION OF PRIOR MONITORING DATA AND DOES NOT REPRESENT CONDITIONS AT ANY PARTICULAR TIME. RATHER, THIS FIGURE DISPLAYS THE MAXIMUM KNOWN EXTENT OF DNAPL IN GMA 1 MONITORING WELLS.

0 200' 400'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

HISTORICAL EXTENT OF DNAPL

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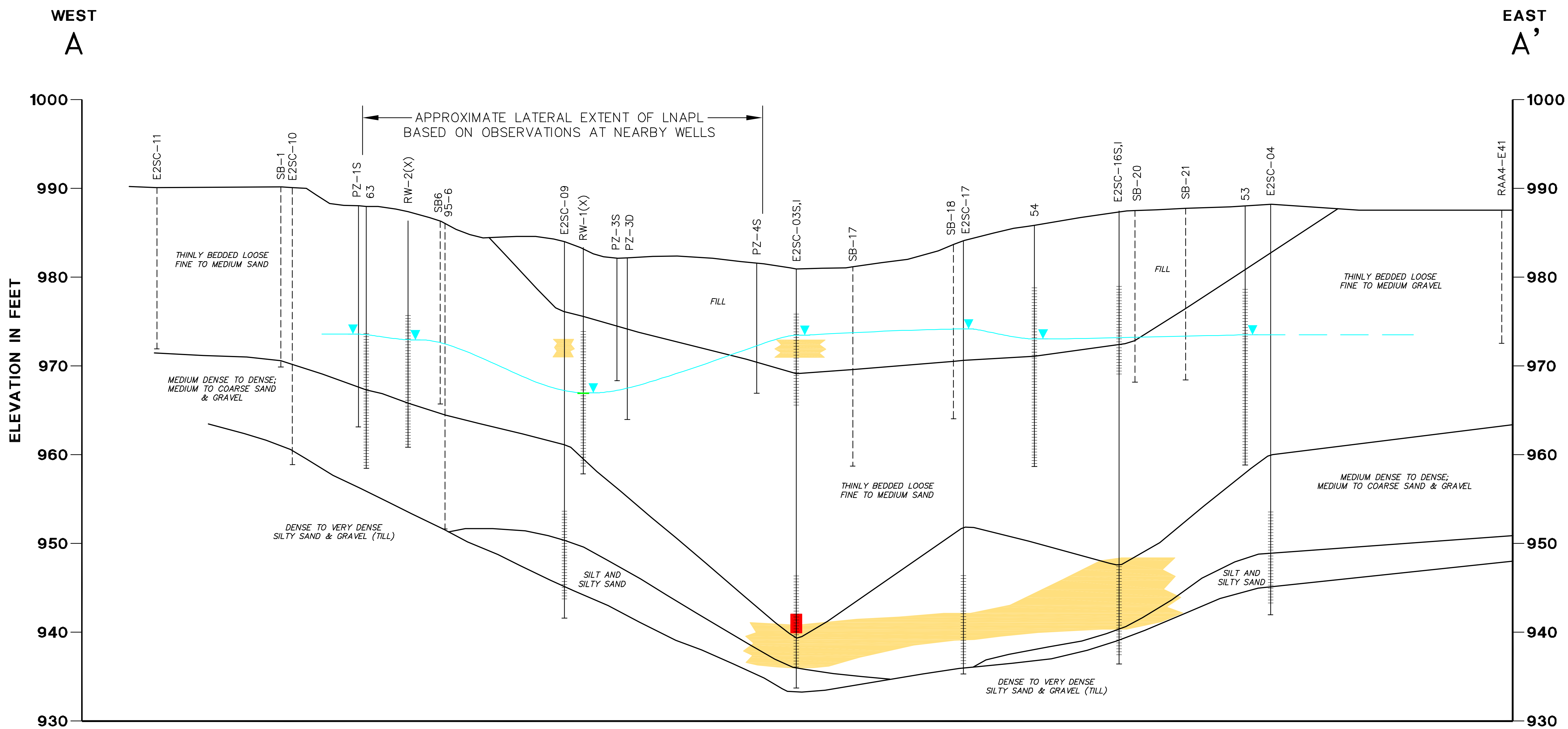
FIGURE
4



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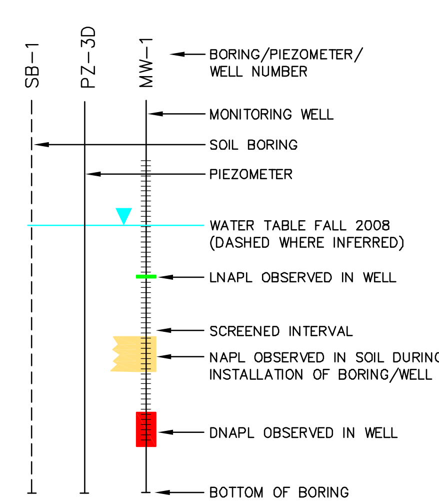
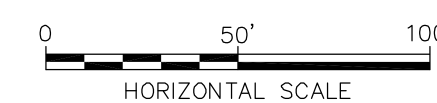


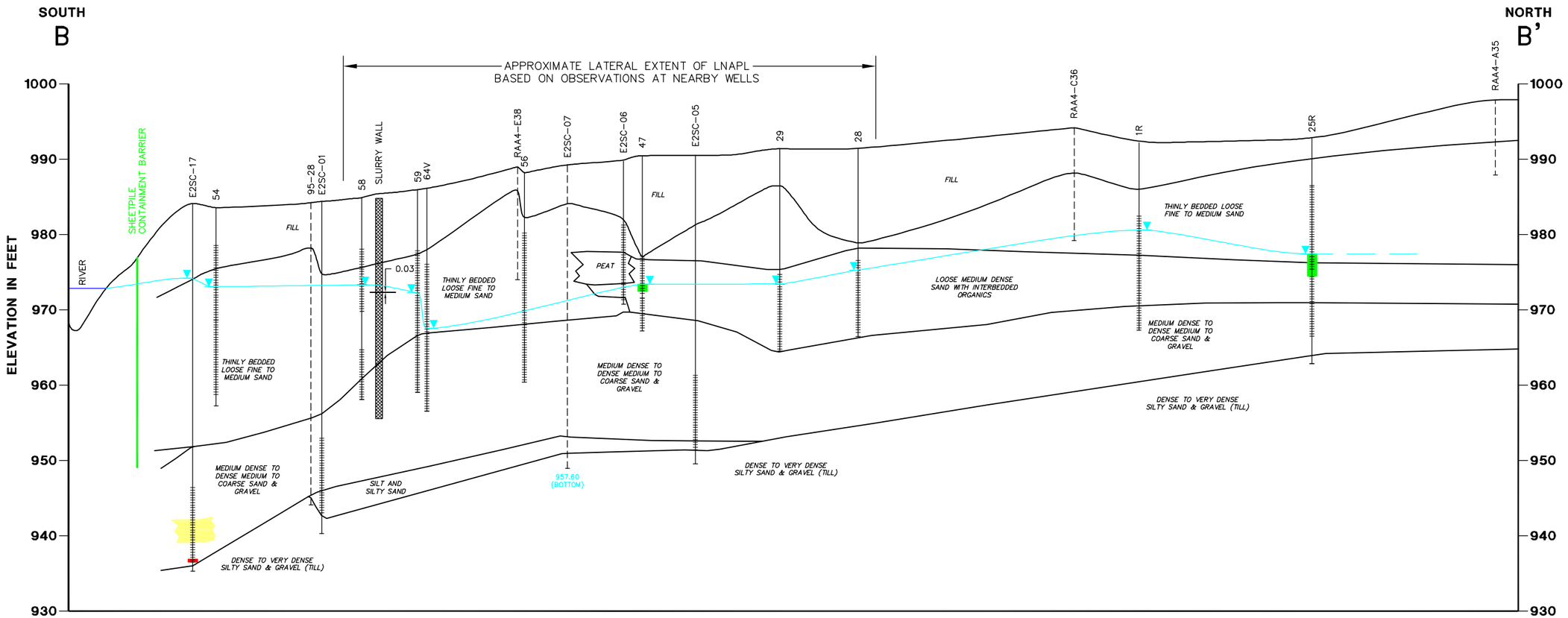


GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

GEOLOGIC CROSS SECTION A-A'

ARCADIS

FIGURE
5



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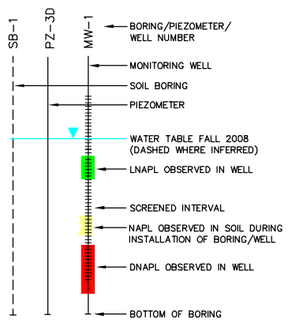

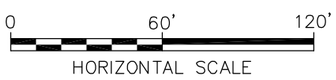

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

GEOLOGIC CROSS SECTION B-B'

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FIGURE
6

NORTH
C

SOUTH
C'

LIMITS OF ENGINEERED BARRIER

RAA12-J18
RAA12-L20
LS-28
LS-34
LS-12
LSSC-34I/S
LS-1
LSSC-11
LS-33
LS-38
SHEETPILE CONTAINMENT BARRIER
P-6
HOUSATONIC RIVER

FILL
FINE TO MEDIUM SAND
MEDIUM TO COARSE SAND & GRAVEL
DENSE TO VERY DENSE SILTY SAND & GRAVEL (TILL)

ELEVATION IN FEET
990
980
970
960
950
940
930
920

LEGEND:
SB-1
PZ-3D
LS-38
BORING/PIEZOMETER/ WELL NUMBER
MONITORING WELL
SOIL BORING
PIEZOMETER
WATER TABLE FALL 2008 (DASHED WHERE INFERRED)
SCREENED INTERVAL
DNAPL OBSERVED IN WELL
BOTTOM OF BORING

0 40' 80'
HORIZONTAL SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

GEOLOGIC CROSS SECTION C-C'

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FIGURE
7

CITY: SYRACUSE, NY GROUP: ENVCAD DB: DMW PGL LD: DMW PM: R. BATES LYR:ON=*;OFF=REF; (FR2)
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XREFS: 20136X00 IMAGES: PROJECTNAME: ---

WEST
D

EAST
D'

LIMITS OF ENGINEERED BARRIER

LYMAN STREET

ELEVATION IN FEET

990
980
970
960
950
940

RAA12-T10
RAA12-S13
RAA12-S14
RAA12-S15
RAA12-S16
RAA12-R18
LS-45
LS-44
LSSC-08I
LS-38
LS-41
LS-35
LSSC-18
RAA12-L30
E-3
E-4

FILL
SAND & SILT
SILT & ORGANICS
FINE TO MEDIUM SAND
SILT & ORGANICS
SAND & SILT
FINE TO MEDIUM SAND
FILL
SAND & SILT
SAND & SILT
GRAVEL
SILT
FINE TO MEDIUM SAND
SILT
FILL
SAND & SILT
FINE TO MEDIUM SAND
FINE TO COARSE SAND & GRAVEL

LEGEND:

RAA12-S13
LS-41

- BORING/WELL NUMBER
- MONITORING WELL
- SOIL BORING
- WATER TABLE FALL 2008 (DASHED WHERE INFERRED)
- LNAPL OBSERVED IN WELL
- SCREENED INTERVAL
- NAPL OBSERVED IN SOIL DURING INSTALLATION OF BORING/WELL
- DNAPL OBSERVED IN WELL
- BOTTOM OF BORING

0 100' 200'
HORIZONTAL SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

GEOLOGIC CROSS SECTION D-D'

ARCADIS

FIGURE
8

CITY: SYRACUSE, NY GROUP: ENVCAD DB: DMW PGL LD: DMW PM: R. BATES LYR:ON=*;OFF=*REF;(FRZ)
R:\ENVCAD\SYRACUSE\ACTIVE\B0020136\0000\0010\DWG\GMA-1\FALL08\20136V04.DWG LAYOUT: 8 SAVED: 2/24/2009 2:59 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/26/2009 3:58 PM BY: JONES, WENDY
XREFS: IMAGES: PROJECTNAME: ---
20136X00

NORTH

E

SOUTH

E'

ELEVATION IN FEET

1000
990
980
970
960
950
940
930

LIMITS OF ENGINEERED BARRIER

HOUSATONIC RIVER

N2SC-05
NS-17
N2SC-17
N2SC-16
N2SC-02
N2SC-31/S
RAA13-D91
N2SC-08
RAA13-F93
N2SC-12
NS-20

FILL

INTERBEDDED FINE TO MEDIUM SAND, SILT, & ORGANICS

FINE TO COARSE SAND & GRAVEL

DENSE TO VERY DENSE SILTY SAND & GRAVEL (TILL)

LEGEND

SB-1
PZ-3D
LS-38

- BORING/PIEZOMETER/ WELL NUMBER
- MONITORING WELL
- SOIL BORING
- PIEZOMETER
- WATER TABLE FALL 2008 (DASHED WHERE INFERRED)
- SCREENED INTERVAL
- DNAPL OBSERVED IN WELL
- BOTTOM OF BORING

0 50' 100'

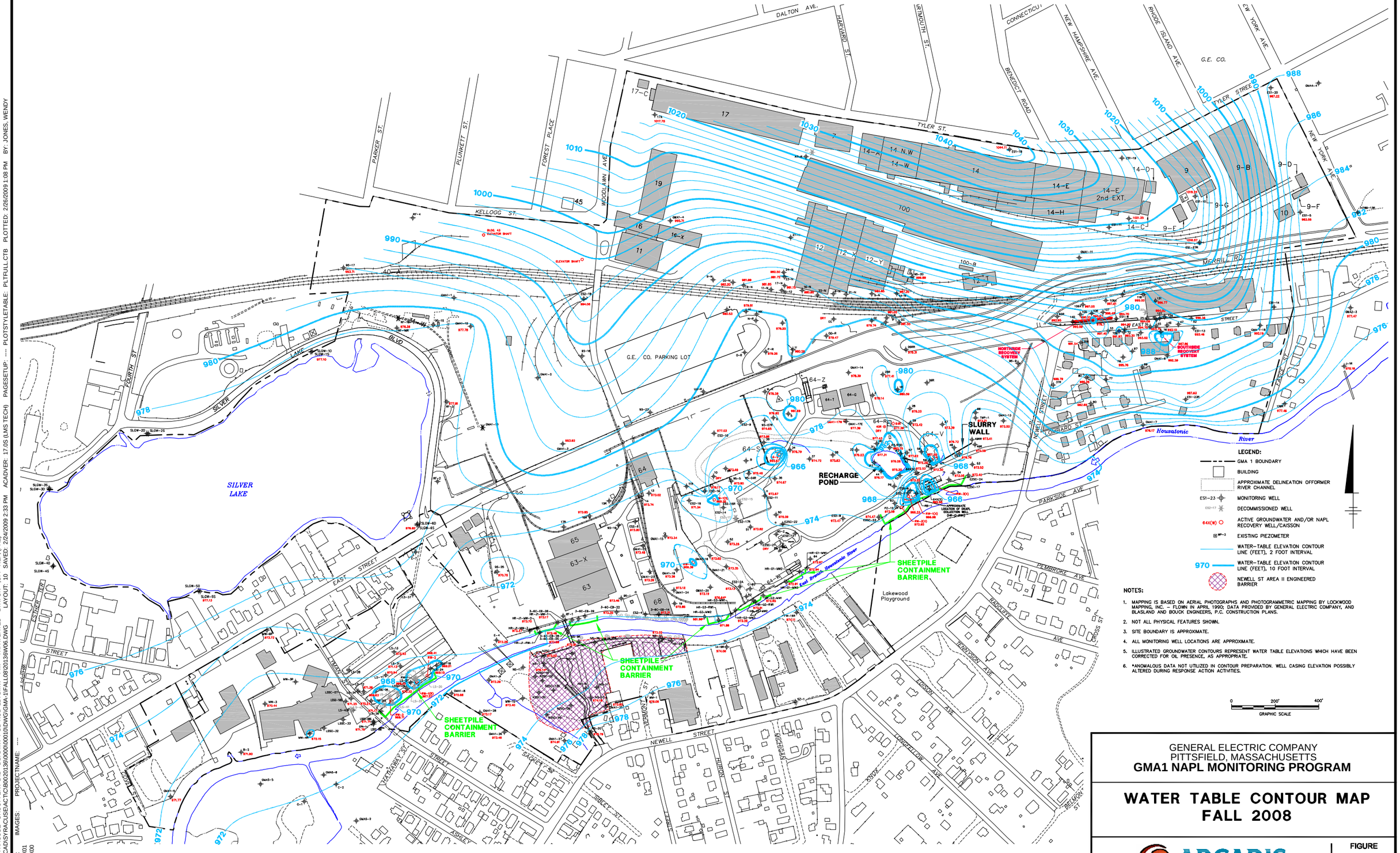
HORIZONTAL SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

GEOLOGIC CROSS SECTION E-E'

ARCADIS

FIGURE
9



LEGEND:

- GMA 1 BOUNDARY
- BUILDING
- APPROXIMATE DELINEATION OFFORMER RIVER CHANNEL
- ES1-23 MONITORING WELL
- ES2-17 DECOMMISSIONED WELL
- 64X(W) ACTIVE GROUNDWATER AND/OR NAPL RECOVERY WELL/CAISSON
- MW-3 EXISTING PIEZOMETER
- WATER-TABLE ELEVATION CONTOUR LINE (FEET), 2 FOOT INTERVAL
- 970 WATER-TABLE ELEVATION CONTOUR LINE (FEET), 10 FOOT INTERVAL
- NEWELL ST AREA II ENGINEERED BARRIER

NOTES:

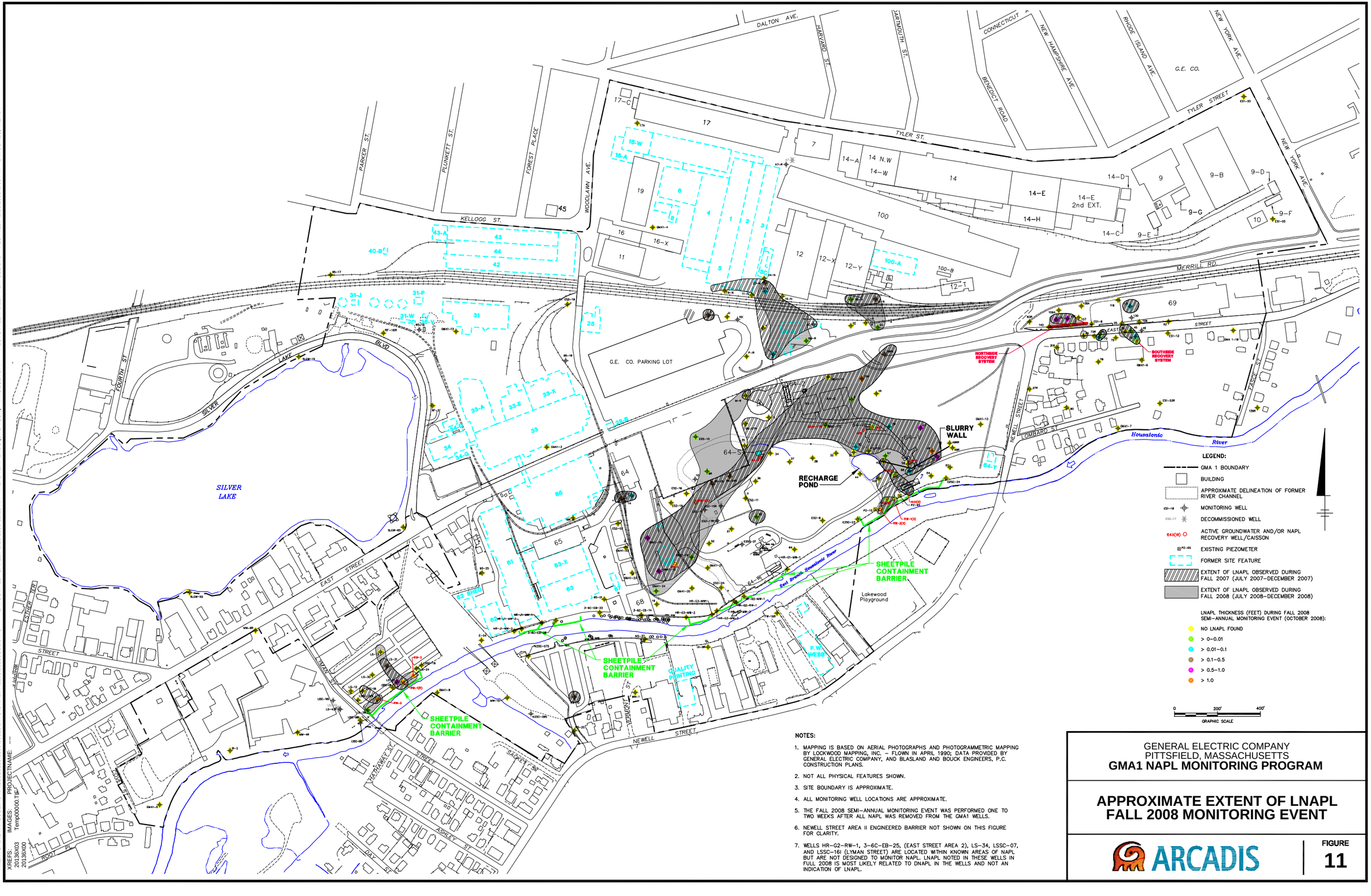
1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990. DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. ILLUSTRATED GROUNDWATER CONTOURS REPRESENT WATER TABLE ELEVATIONS WHICH HAVE BEEN CORRECTED FOR OIL PRESENCE, AS APPROPRIATE.
6. *ANOMALOUS DATA NOT UTILIZED IN CONTOUR PREPARATION. WELL CASING ELEVATION POSSIBLY ALTERED DURING RESPONSE ACTION ACTIVITIES.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

WATER TABLE CONTOUR MAP FALL 2008

ARCADIS

FIGURE 10



NOTES:

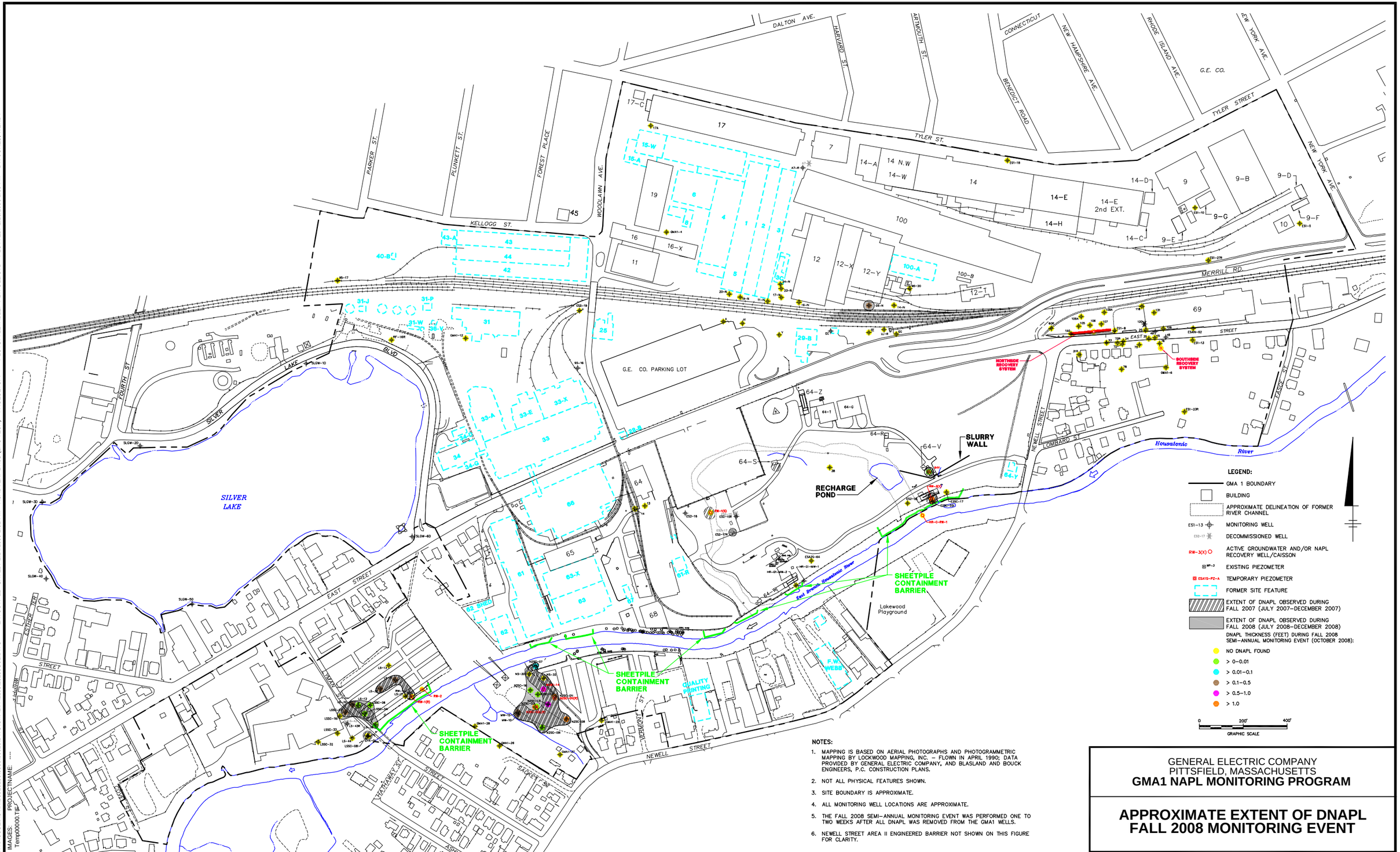
1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. THE FALL 2008 SEMI–ANNUAL MONITORING EVENT WAS PERFORMED ONE TO TWO WEEKS AFTER ALL NAPL WAS REMOVED FROM THE GMA1 WELLS.
6. NEWELL STREET AREA II ENGINEERED BARRIER NOT SHOWN ON THIS FIGURE FOR CLARITY.
7. WELLS HR–G2–RW–1, 3–6C–EB–25, (EAST STREET AREA 2), LS–34, LSSC–07, AND LSSC–16I (LYMAN STREET) ARE LOCATED WITHIN KNOWN AREAS OF NAPL BUT ARE NOT DESIGNED TO MONITOR NAPL. LNAPL NOTED IN THESE WELLS IN FULL 2008 IS MOST LIKELY RELATED TO DNAPL IN THE WELLS AND NOT AN INDICATION OF LNAPL.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

APPROXIMATE EXTENT OF LNAPL FALL 2008 MONITORING EVENT

ARCADIS

FIGURE
11



NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. THE FALL 2008 SEMI-ANNUAL MONITORING EVENT WAS PERFORMED ONE TO TWO WEEKS AFTER ALL DNAPL WAS REMOVED FROM THE GMA1 WELLS.
6. NEWELL STREET AREA II ENGINEERED BARRIER NOT SHOWN ON THIS FIGURE FOR CLARITY.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

APPROXIMATE EXTENT OF DNAPL FALL 2008 MONITORING EVENT

ARCADIS

FIGURE
12

CITY: SYRACUSE GROUP: ENVCAD DB: RCB DMW PGL LD: DMW LYR:ON=*;OFF=REF, (FRZ)
R:\ENVCAD\SYRACUSE\ACT\C\B0020136\0000\00010\DWG\GMA-1\FALL08\20136W03.DWG LAYOUT: 13 SAVED: 2/24/2009 3:16 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/26/2009 4:01 PM BY: JONES, WENDY
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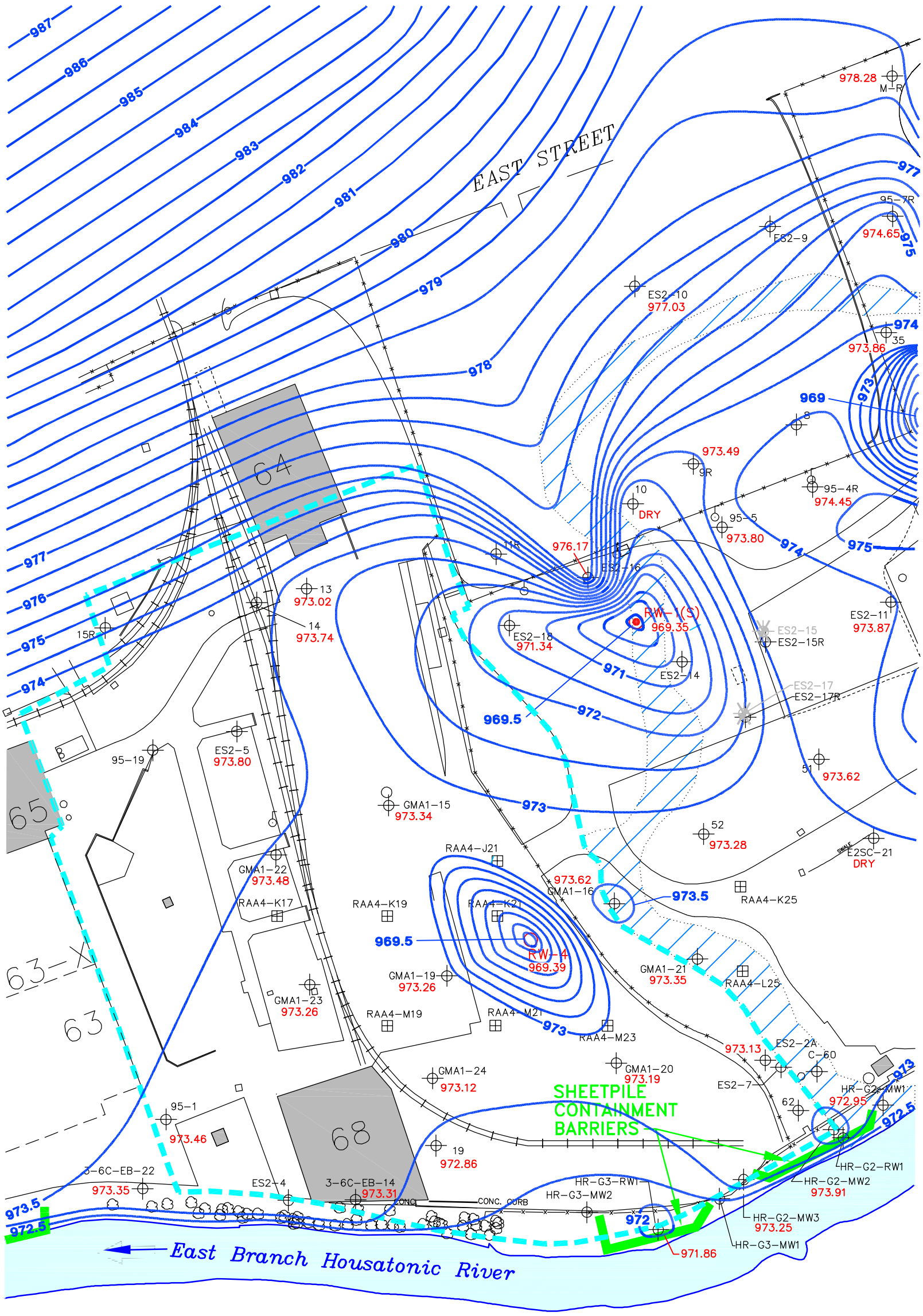


LEGEND:

- BUILDING
- FORMER SITE FEATURE
- APPROXIMATE DELINEATION OF FORMER RIVER CHANNEL
- ES1-23 — MONITORING WELL
- ES2-17 — DECOMMISSIONED WELL
- RW-1(S) — ACTIVE GROUNDWATER AND NAPL RECOVERY WELL
- FORMER SCRAP YARD AREA
- RAA4-K19 — EXISTING SOIL BORING
- RW-3 — PROPOSED LNAPL RECOVERY WELL
- 973 — WATER-TABLE ELEVATION CONTOUR LINE (FEET),

NOTES:

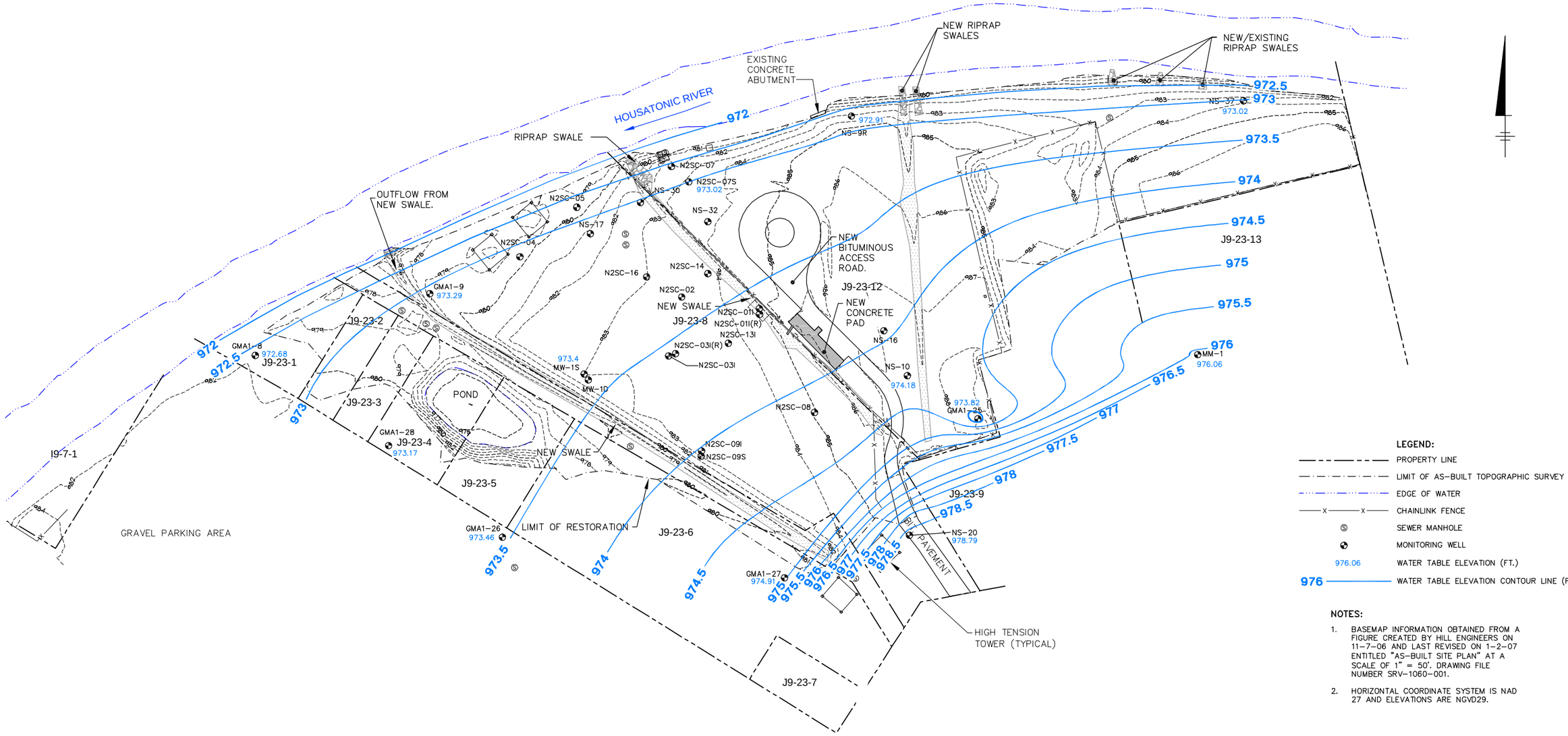
1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 1 NAPL MONITORING PROGRAM

DETAILED FORMER SCRAPYARD AREA WATER TABLE CONTOUR MAP FALL 2008

ARCADIS

FIGURE
13



LEGEND:

- PROPERTY LINE
- LIMIT OF AS-BUILT TOPOGRAPHIC SURVEY
- EDGE OF WATER
- CHAINLINK FENCE
- SEWER MANHOLE
- MONITORING WELL
- 976.06 WATER TABLE ELEVATION (FT.)
- 976 WATER TABLE ELEVATION CONTOUR LINE (FT.)

NOTES:

1. BASEMAP INFORMATION OBTAINED FROM A FIGURE CREATED BY HILL ENGINEERS ON 11-7-06 AND LAST REVISED ON 1-2-07 ENTITLED "AS-BUILT SITE PLAN" AT A SCALE OF 1" = 50'. DRAWING FILE NUMBER SRV-1060-001.
2. HORIZONTAL COORDINATE SYSTEM IS NAD 27 AND ELEVATIONS ARE NGVD29.

0 50' 100'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

DETAILED NEWELL STREET AREA II WATER TABLE CONTOUR MAP - FALL 2008

ARCADIS

FIGURE
14

CITY: SYRACUSE GROUP: ENVCAD DB: KLS GHS PGL LD: DMW LYR:ON=*OFF=REF; (FRZ)
R:\ENVCAD\SYRACUSE\ACTIVE\B0020136\0000\00010\DWG\GMA-11FALL08\20136W07.DWG LAYOUT: 14 SAVED: 2/24/2009 3:02 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/26/2009 4:02 PM BY: JONES, WENDY
XREFS: 20136X02 20136X00
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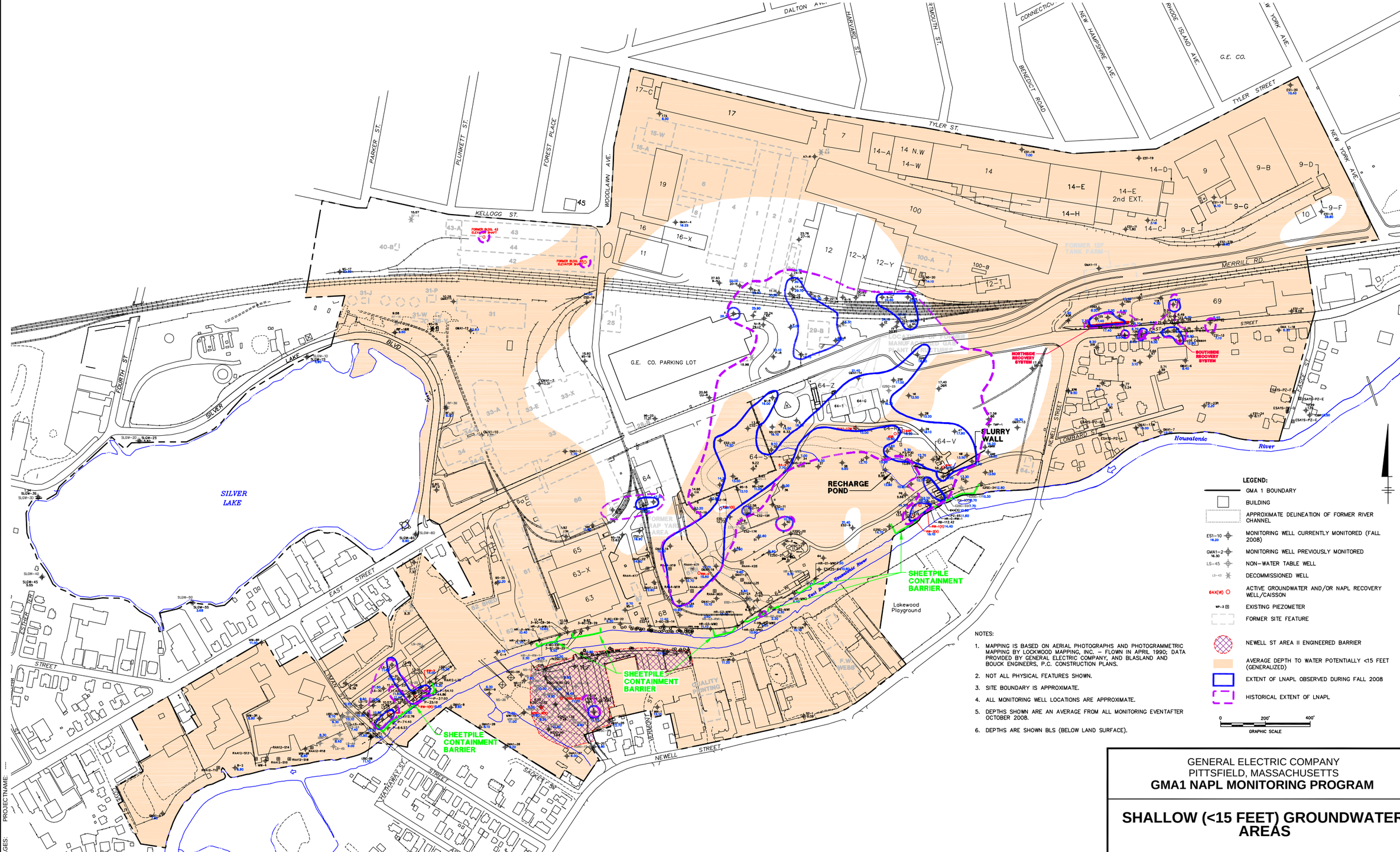


LEGEND:

- GMA 1 BOUNDARY
- BUILDING
- APPROXIMATE DELINEATION OF FORMER RIVER CHANNEL
- ES1-10 16.20 — MONITORING WELL CURRENTLY MONITORED (FALL 2008)
- GMA1-2 16.30 — MONITORING WELL PREVIOUSLY MONITORED
- LS-45 — NON-WATER TABLE WELL
- LS-43 — DECOMMISSIONED WELL
- 64X(W) — ACTIVE GROUNDWATER AND/OR NAPL RECOVERY WELL/CAISSON
- WP-3 — EXISTING PIEZOMETER
- FORMER SITE FEATURE
- NEWELL ST AREA II ENGINEERED BARRIER
- AVERAGE DEPTH TO WATER POTENTIALLY <15 FEET (GENERALIZED)
- EXTENT OF LNAPL OBSERVED DURING FALL 2008
- HISTORICAL EXTENT OF LNAPL

0 200' 400'
GRAPHIC SCALE

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. DEPTHS SHOWN ARE AN AVERAGE FROM ALL MONITORING EVENTAFTER OCTOBER 2008.
6. DEPTHS ARE SHOWN BLS (BELOW LAND SURFACE).

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 NAPL MONITORING PROGRAM

SHALLOW (<15 FEET) GROUNDWATER AREAS

ARCADIS

FIGURE
15

ARCADIS
Infrastructure, environment, buildings

General Electric Company
Pittsfield, Massachusetts

Groundwater Management Area 1
NAPL Monitoring Report for
Fall 2008

Volume II of II

February 2009

Table of Contents

Volume II of II

Appendices

Appendices

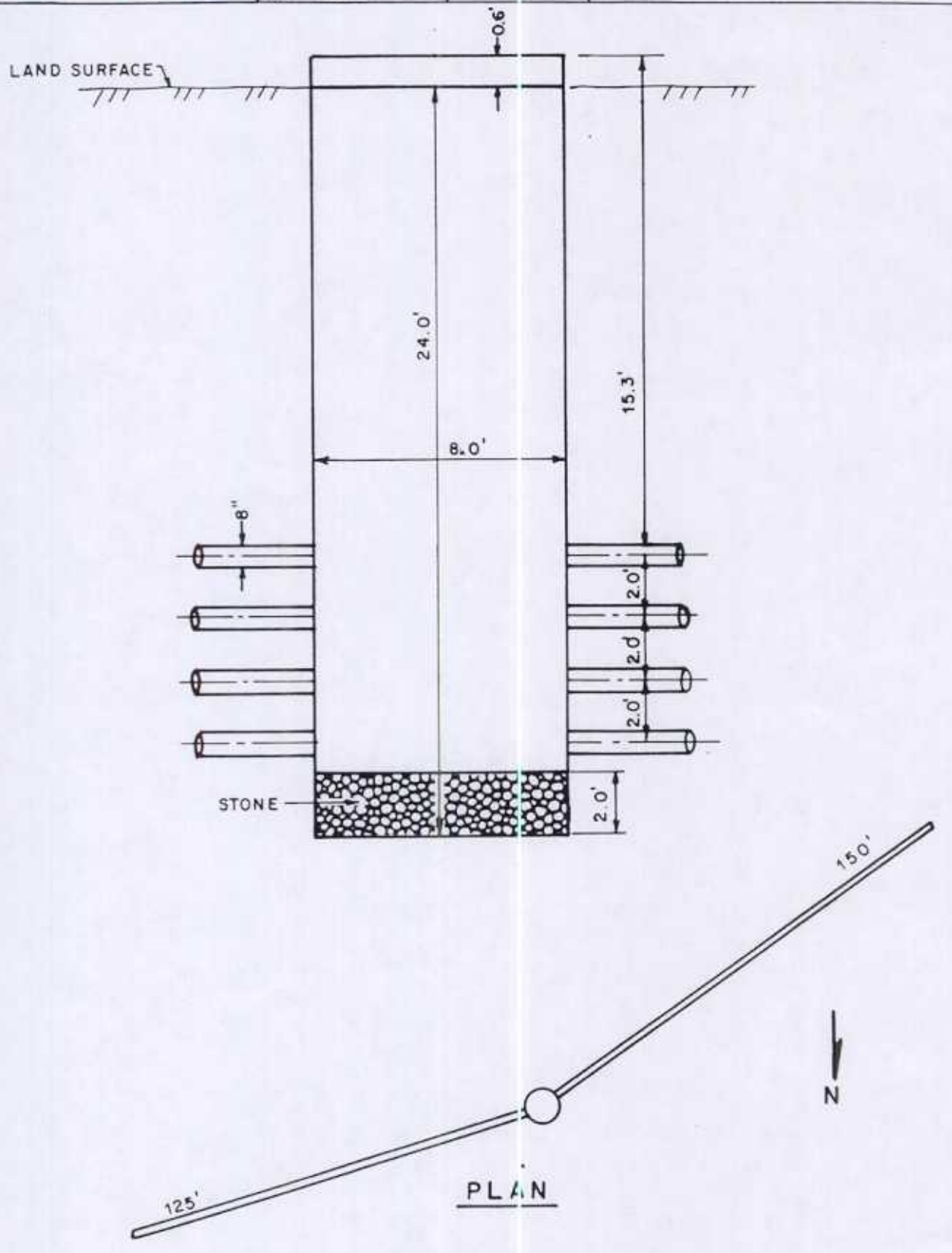
ARCADIS

Appendix A

Automated Recovery System
Construction Details

GERAGHTY & MILLER, INC.
Ground-Water Consultants

COMPILED BY: G. SPREIZER	DATE: 12-86	SCALE: SHOWN	PREPARED FOR: GENERAL ELECTRIC COMPANY
PREPARED BY: E. WILSON	FILE NO: NY340PS-1085		PITTSFIELD, MASSACHUSETTS
PROJECT MGR.: D. COLTON			



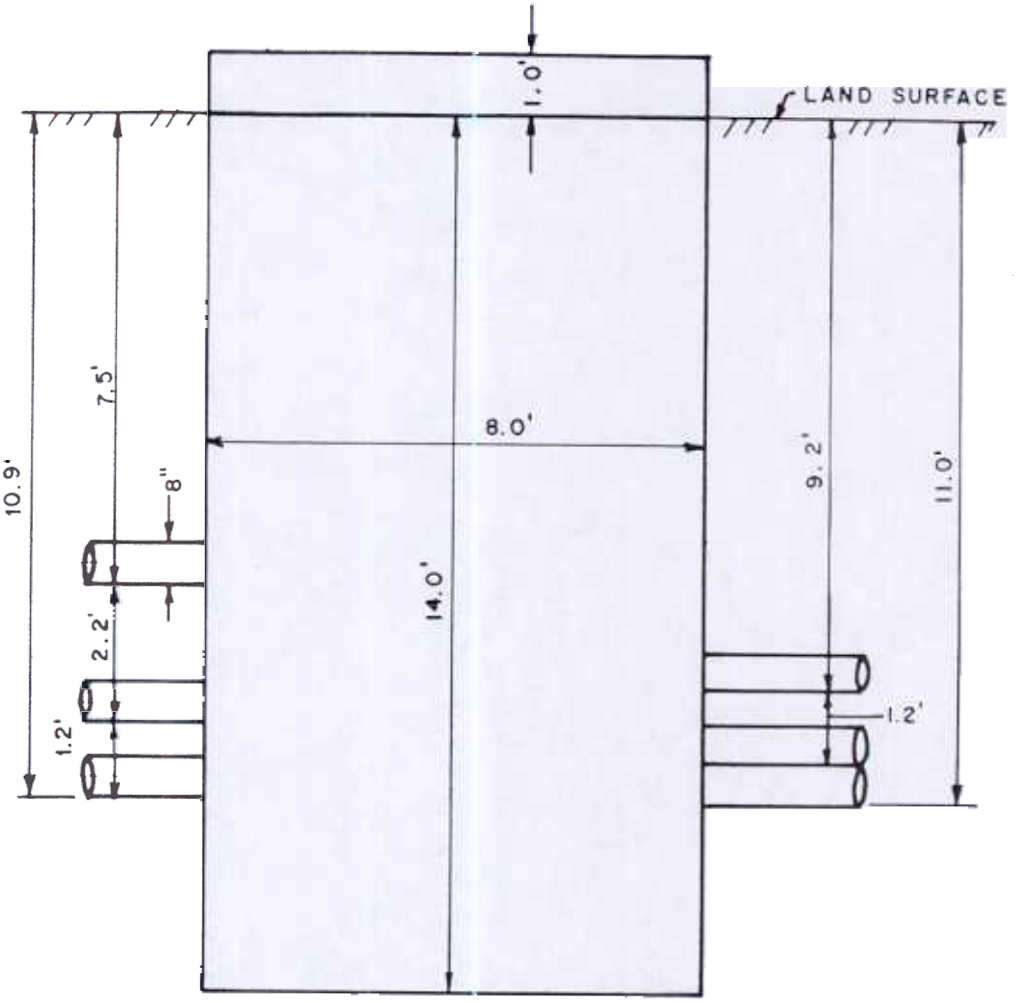
SUBJECT

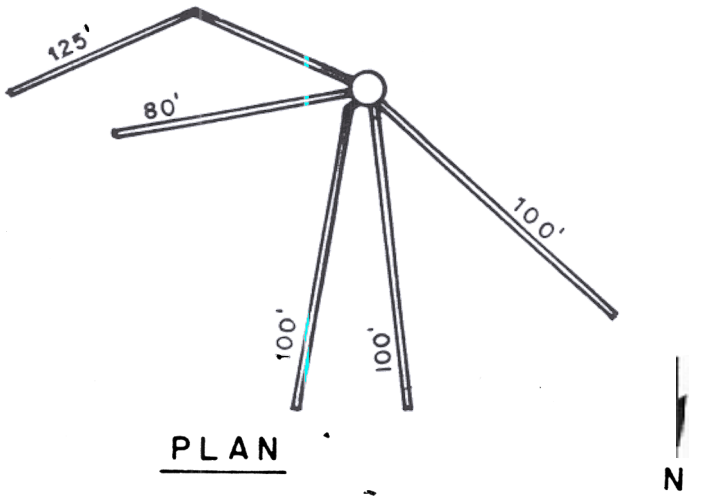
CONSTRUCTION DETAILS
CAISSON 64R

FIGURE 2

182730

GERAGHTY & MILLER, INC. Ground-Water Consultants	COMPILED BY: G. SPREIZER	DATE: 12-86	SCALE: SHOWN	PREPARED FOR: GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
	PREPARED BY: E. WILSON	FILE NO: NY340PS1-1086		
	PROJECT MGR.: D. COLTON			





PLAN

SUBJECT:

CONSTRUCTION DETAILS CAISSON 64S

FIGURE 3

132720

PROJECT: GE/EAST STREET AREA 2/MA

PROJECT LOCATION: PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER: 963-6322

RECORD OF BOREHOLE 64S PILOT

BORING START: 09-29-97

BORING LOCATION:

SHEET: 1 OF

DATUM:

DEPTH SCALE FEET	BORING METHOD	SOIL PROFILE DESCRIPTION	USCS	GRAPHIC LOG	ELEV / DEPTH	SAMPLES NUMBER	TYPE	BLOWS / 6 in	N	REC/ATT	REMARKS	PIEZOMETER OR STANDPIPE INSTALLATION
0	2 1/4" ID H.S.A.	0.0-6.0 ft. FILL material. Dark brown, coarse to medium to fine SAND, little to some gravel with styrofoam, glass, and cardboard. (FILL)			0.00	S-1	AS	N/A	N/A	N/A	Boring P-1 was originally drilled using direct push drilling techniques. Due to poor sample recovery and premature refusal, the hole was abandoned and boring 64S pilot was drilled adjacent to the initial location using conventional drilling techniques.	
						S-2	AS	N/A	N/A	N/A		
5						S-3	DO	4,3,2,2	5	0.0/2.0		
		6.0-9.0 ft. Black SILTY SAND, little gravel, very moist, strong odor. No oil.	SM		6.00	S-4	DO	4,4,4,7	8	0.1/2.0		
		9.0-19.2 ft. Loose to compact, black SILTY SAND, little gravel saturated with water and oil, strong odor.	SM		9.00	S-5	DO	3,3,4,4	7	0.0/2.0		
10						S-6	DO	4,5,3,6	8	0.0/2.0		
						S-7	DO	7,4,2,7	6	0.0/2.0		
15						S-8	AS	N/A	N/A	N/A		
						S-9	AS	N/A	N/A	N/A		
		19.2-20.0 ft. Compact, tan SILTY SAND, little gravel. No oil.	SM		19.20	S-10	DO	10,7,8,8	15	2.0/2.0		
20		20.0-21.5 ft. No recovery.			20.00	S-11	DO	WOR,WOR,4,6	N/A	0.5/2.0		
		21.5-22.0 ft. Soft, tan SILT, little to some sand.	ML		21.50							
		22.0-23.5 ft. No recovery.			22.00	S-12	DO	4,8,16,16	24	0.5/2.0		
		23.5-30.0 ft. Compact, grey, coarse to medium to fine SAND and GRAVEL, little silt, saturated with water. No oil present.	SW/GW		23.50	S-13	DO	9,9,10,14	19	0.1/2.0		
25						S-14	DO	15,14,12,11	26	1.0/2.0		
						S-15	DO	20,11,12,14	23	2.0/2.0		
30		BORING TERMINATED AT 30.0 FT. BELOW GROUND SURFACE.			30.00							
35												
40												

DRILL RIG: MOBILE B-57

DRILLING CONTRACTOR: MAXYMILLIAN TECHNOLOGIES

DRILLER: G. RUSTENMEYER

Golder Associates

LOGGED: M. ZARENSKI

CHECKED:

DATE: 02-03-98

JOB NO. 963-6322 PROJECT GE/EAST STREET AREA 2/MA WELL NO. 64S(DEEPENING) SHEET 1 of 1

GA INSP. M. ZARENSKI DRILLING METHOD 24" DIA. BAYSHORE AUGER GROUND ELEV. N/A WATER DEPTH N/A

WEATHER SUNNY DRILLING COMPANY MAXYMILLIAN TECHNOLOGIES COLLAR ELEV. N/A TIME/DATE N/A

TEMP. 30°-40° F DRILL RIG BAYSHORE AUGER DRILLER H. BOHL STARTED 1000/11-13-97 (TIME / DATE) COMPLETED 1200/11-13-97 (TIME / DATE)

LOCATION / COORDINATES N/A

MATERIALS INVENTORY

WELL CASING 12 in. dia. 5 l.f. WELL SCREEN 12 in. dia. 25 l.f. BENTONITE SEAL N/A

CASING TYPE STAINLESS STEEL SCREEN TYPE STAINLESS STEEL INSTALLATION METHOD GRAVITY

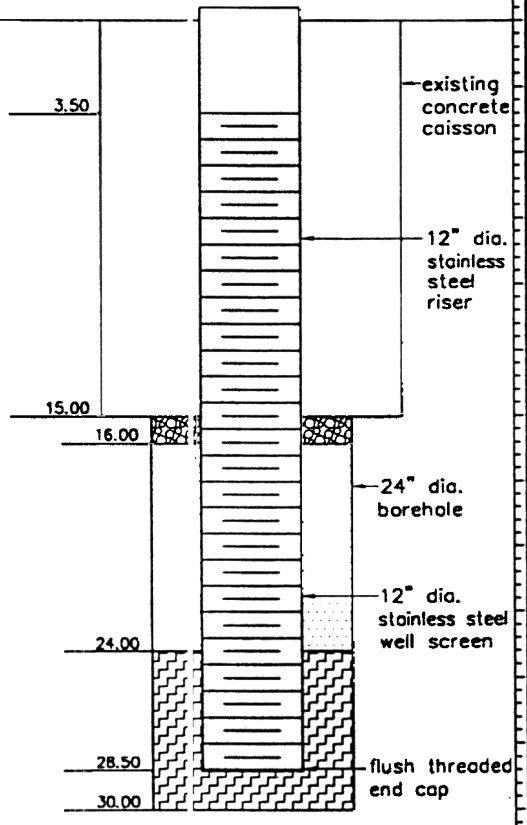
JOINT TYPE WELDED SLOT SIZE 0.040" MACHINE SLOTTED FILTER PACK QTY. 1300 LBS.

GROUT QUANTITY 10 GALLONS CENTRALIZERS NONE USED FILTER PACK TYPE #2 MORIE SAND

GROUT TYPE CEMENT/BENTONITE DRILLING MUD TYPE N/A INSTALLATION METHOD GRAVITY

ELEV./DEPTH	SOIL/ROCK DESCRIPTION
	GROUND SURFACE
0.00	See pilot boring for 64S (deepening) for lithologic description.
5.00	
10.00	
15.00	
20.00	
25.00	
30.00	
35.00	
40.00	
45.00	
50.00	
55.00	

WELL SKETCH

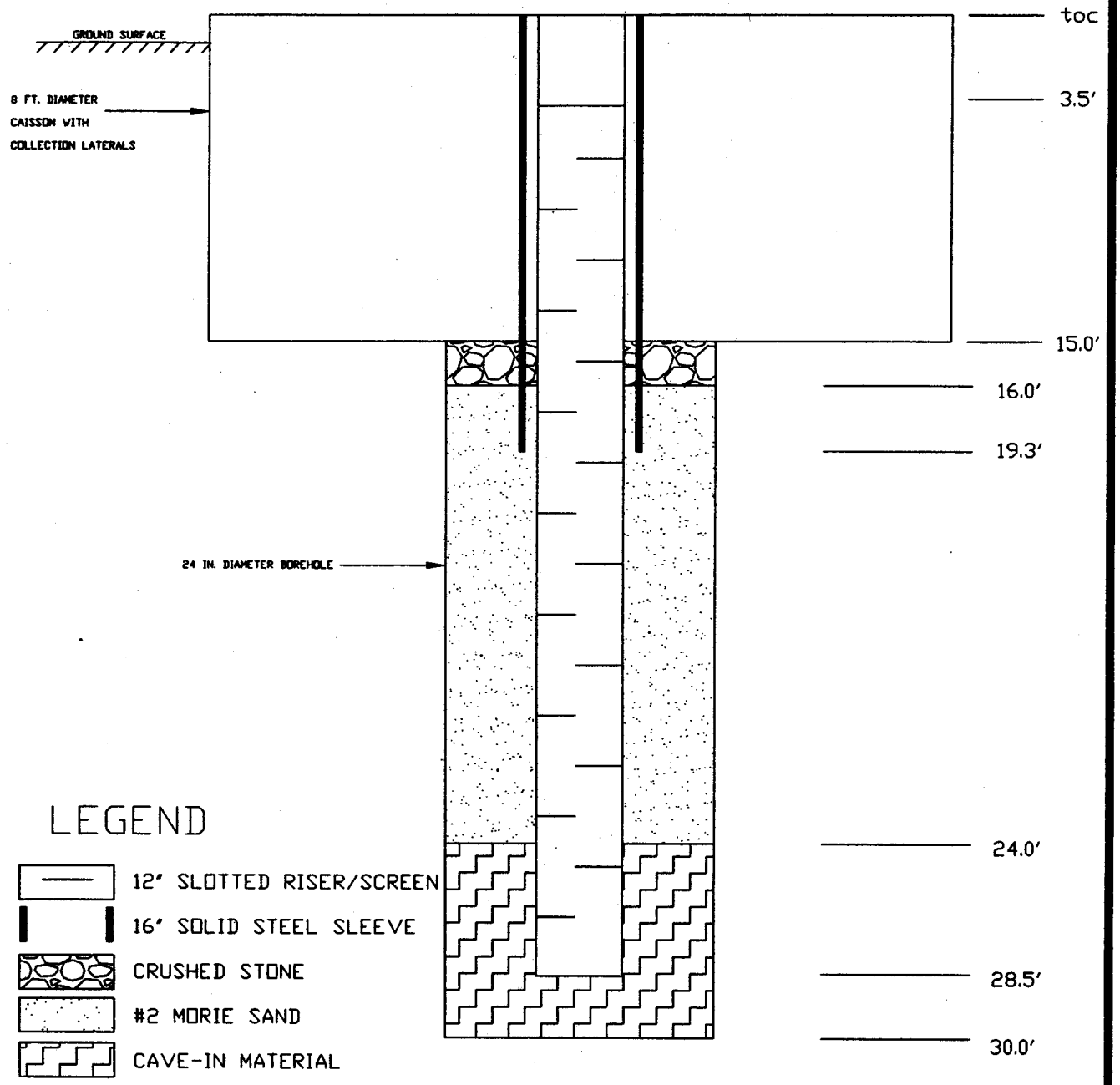


INSTALLATION NOTES

WELL DEVELOPMENT NOTES

LEGEND

- CRUSHED STONE
- #2 MORIE SAND
- CAVE-IN MATERIAL



NOTE: NOT TO SCALE

SPECTRA ENVIRONMENTAL GROUP
19 British American Blvd
Latham, NY 12110

INSPECTOR: J. FOX

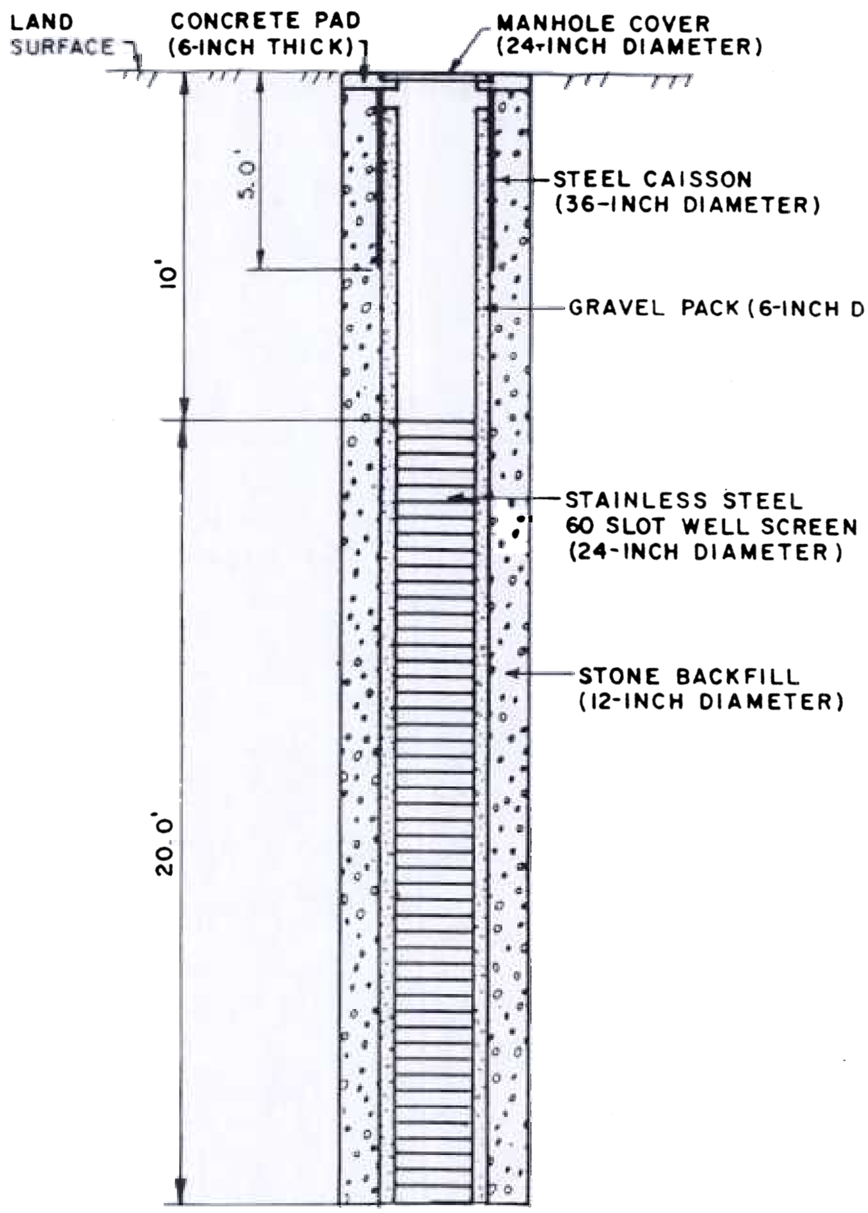
64S RECOVERY SYSTEM

GENERAL ELECTRIC COMPANY

PITTSFIELD, MA BERKSHIRE COUNTY

PROJ. No.: 02348	DATE: 10/22/02	SCALE: NTS	DWG. NO. 02348002	FIGURE 1

GERAGHTY & MILLER, INC. Ground-Water Consultants	COMPILED BY: G. SPREIZER	DATE: 7/88	SCALE: SHOWN	PREPARED FOR: GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
	PREPARED BY: E. WILSON	FILE NO: NY360PS1-1085		
	PROJECT MGR: D. COLTON			



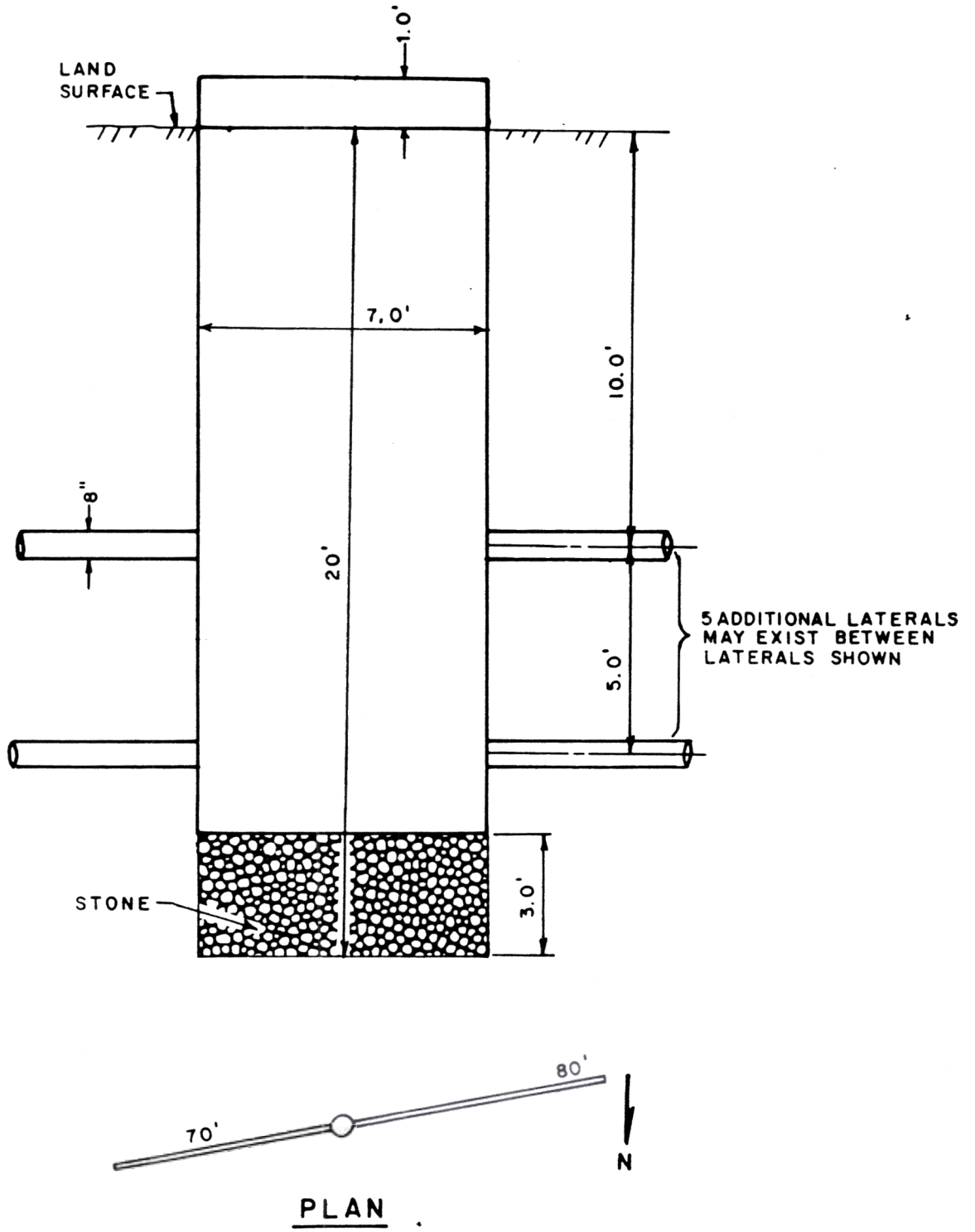
SUBJECT:

CONSTRUCTION DETAILS CAISSON 64V

FIGURE 6

132730

GERAGHTY & MILLER, INC. Ground-Water Consultants	COMPILED BY: G. SPREIZER	DATE: 7-88	SCALE: SHOWN	PREPARED FOR: GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
	PREPARED BY: E. WILSON	FILE NO: NY360PS1-1085		
	PROJECT MGR.: D. COLTON			



PLAN

SUBJECT:

CONSTRUCTION DETAILS CAISSON 64X(S)

FIGURE 4

132730

PROJECT: GE/EAST STREET AREA 2/MA

PROJECT LOCATION: PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER: 963-6322

RECORD OF BOREHOLE RW-1(S) PILOT

SHEET: 1 OF

BORING START: 10-01-97

BORING LOCATION:

DATUM:

DEPTH SCALE FEET	BORING METHOD	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV / DEPTH	SAMPLES: NUMBER	TYPE	BLOWS / 6 in	N	REC/ATT	REMARKS	PIEZOMETER OR STANDPIPE INSTALLATION
0	2 1/4" ID H.S.A.	0.0-14.0 ft. FILL material. Mostly black SAND, SILT, and GRAVEL. Wood, pieces of wire, and brick fragments also present. Saturated with oily residue beginning at 13.6 ft. bgs. (FILL)			0.00	S-1	AS	N/A	N/A	N/A	Boring P-2 was originally drilled using direct push drilling techniques. Due to poor sample recovery and premature refusal, the hole was abandoned and boring RW-1(S) pilot was drilled adjacent to the initial location using convential drilling techniques.	
						S-2	AS	N/A	N/A	N/A		
5						S-3	AS	N/A	N/A	N/A		
						S-4	AS	N/A	N/A	N/A		
						S-5	AS	N/A	N/A	N/A		
10						S-6	DO	6,18,50/1"	N/A	0.5/2.0		
						S-7	DO	3,4,6,6	10	0.4/2.0		
15		14.0-18.5 ft. Compact to loose, black coarse to medium to fine SAND, little to and gravel. Saturated with oily residue.	SW		14.00	S-8	DO	4,6,6,2	12	1.5/2.0		
						S-9	DO	3,6,8,10	14	1.0/2.0		
		18.5-22.4 ft. Loose to compact, grey, fine to very fine SAND, little to some silt. Strong odor. No oil.	SP		18.50	S-10	DO	3,4,4,7	8	2.0/2.0		
20						S-11	DO	4,5,6,7	11	1.8/2.0		
		22.4-28.5 ft. Firm to stiff, grey SILT, little sand, little gravel at 28.0-28.5 ft. Strong to slight odor. No oil.	ML		22.40	S-12	DO	4,7,7,10	14	2.0/2.0		
25						S-13	DO	3,2,4,4	6	2.0/2.0		
						S-14	DO	3,6,8,9	14	2.0/2.0		
		28.5-30.0 ft. Compact, grey, coarse to medium to fine SAND, little silt, little gravel.	SW		28.50	S-15	DO	6,10,8,5	18	1.5/2.0		
30		BORING TERMINATED AT 30.0 FT. BELOW GROUND SURFACE.			30.00							
35												
40												

DRILL RIG: MOBILE B-57

DRILLING CONTRACTOR: MAXYMILLIAN TECHNOLOGIES

DRILLER: G. RUSTENMEYER

Golder Associates

LOGGED: M. ZARENSKI

CHECKED:

DATE: 02-03-98

JOB NO. 963-6322 PROJECT GE/EAST STREET AREA 2/MA WELL NO. RW-1(S) SHEET 1 of 1

GA INSP. M. ZARENSKI DRILLING METHOD 24" DIA. BAYSHORE AUGER GROUND ELEV. N/A WATER DEPTH 13.70

WEATHER OVERCAST DRILLING COMPANY MAXYMILLIAN TECHNOLOGIES COLLAR ELEV. N/A TIME/DATE 0930/11-12-97

TEMP. 50° F DRILL RIG BAYSHORE AUGER DRILLER H. BOHL STARTED 1045/11-07-97 (TIME / DATE) COMPLETED 1600/11-07-97 (TIME / DATE)

LOCATION / COORDINATES N/A

MATERIALS INVENTORY

WELL CASING 12 in. dia. 10 l.f. WELL SCREEN 12 in. dia. 20 l.f. BENTONITE SEAL BENTONITE CHIPS

CASING TYPE STAINLESS STEEL SCREEN TYPE STAINLESS STEEL INSTALLATION METHOD GRAVITY

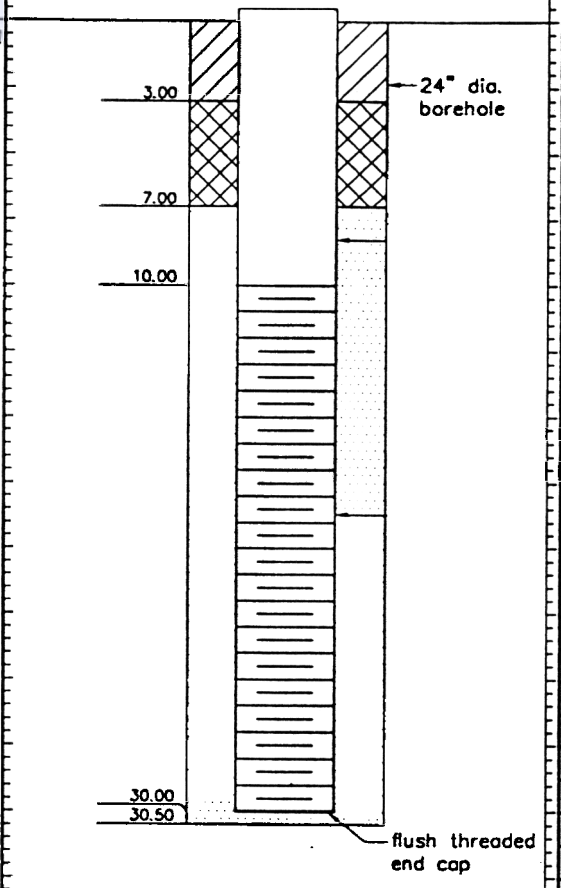
JOINT TYPE WELDED SLOT SIZE 0.040" MACHINE SLOTTED FILTER PACK QTY. 4100 LBS.

GROUT QUANTITY 10 GALLONS CENTRALIZERS NONE USED FILTER PACK TYPE #2 MORIE SAND

GROUT TYPE CEMENT/BENTONITE DRILLING MUD TYPE N/A INSTALLATION METHOD GRAVITY

ELEV./DEPTH	SOIL/ROCK DESCRIPTION
	GROUND SURFACE
0.00	See RW-1(S) pilot boring log for lithologic description.
5.00	
10.00	
15.00	
20.00	
25.00	
30.00	
35.00	
40.00	
45.00	
50.00	
55.00	

WELL SKETCH



INSTALLATION NOTES

WELL DEVELOPMENT NOTES

Volume of Annular space between borehole wall and steel screen is equal to the volume of 24" dia. borehole minus volume of 12" casing and is equal to 3.14 ft^3/ft minus .785 ft^3/ft or 2.34 ft^3/ft.

Density of #2 sand = 85 lb/ft^3

Amount of sand pack is (23.5 ft) (2.34 ft^3/ft) (0.85 lb/ft^3) = 4674 lbs

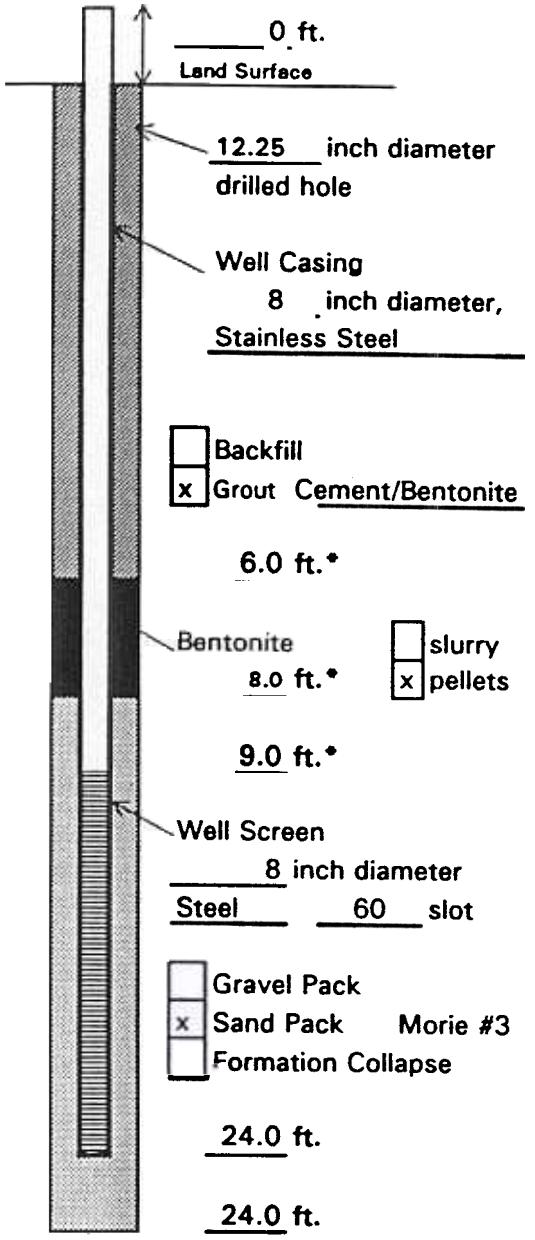
LEGEND

- CEMENT/BENTONITE
- BENTONITE CHIPS
- #2 MORIE SAND

GERAGHTY & MILLER, INC.
Environmental Services

WELL CONSTRUCTION LOG

(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project AY05312 Well RW-1(X)

Town/City Pittsfield

County Berkshire State Massachusetts

Permit No.

Land-Surface Elevation and Datum _____ feet ☐ Surveyed ☐ Estimated

Installation Date(s) 11/24/92 - 11/25/92

Drilling Method Hollow-Stem Auger

Drilling Contractor Empire Soils Investigations, Inc.

Drilling Fluid None

Development Technique(s) and Date(s)

Centrifugal Pump and Polyethylene Tubing: 11/25/92

Fluid Loss During Drilling 0 gallons

Water Removed During Development 275 gallons

Static Depth to Water _____ feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

Specific Capacity _____ gpm/ft.

Well Purpose Recovery Well

Remarks

Prepared by A. LaBarge

RUST ENVIRONMENT & INFRASTRUCTURE	TEST BORING LOG	BORING No. RW-2(X)

PROJECT	East Street Area 2					SHEET	1 OF 3
CLIENT	General Electric Company - Pittsfield, MA					JOB No.	87386.010
DRILLING CONTRACTOR	Empire Soils Investigations, Inc.					MEAS. PT ELEV.	
PURPOSE	Recovery Well Installation					GROUND ELEV.	
DRILLING METHOD	Hollow Stem Auger		SAMPLE	CORE	CASING	DATUM	MSL
DRILL RIG TYPE	Failing F-10	TYPE	SS	NA	HSA	DATE STARTED	10/27/93
GROUNDWATER ELEV.	14.63'	DIA.	2" OD	NA	6 5/8" ID	DATE FINISHED	10/28/93
MEASURING POINT	TIC	WEIGHT	300#			DRILLER	Ed Cole
DATE OF MEASUREMENT	10/28/93	FALL	30"			INSPECTOR	Mark A. Williams

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSI-FICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. / DEPTH	REMARKS
2					Augered down to 5.0' BGS		TIC = Top of Inner Casing
4							
6	S-1	4 5 5 9	SW-SP		Br lt br cm(+) S, l (-) mf G; freq cbls; Fe stnd; no odor; ls/med. dense (SW-SP)f Brown light brown coarse to medium (+) SAND, little (-) medium to fine Gravel; frequent cobbles; iron stained; no odor; loose/medium dense	5.0	Rec = 1.05' Dry HS = 0.2 ppm LNAPL = none
8	S-2	4 8 8 7	SW-SP		Br br gr c(+)m S, t mf G; freq qtz cbl chps; med. dense (SW-SP)		Rec = 1.10' Dry HS = 0.3 ppm LNAPL = none
		3 3			Br cm S, l (+) mf G; occ. cbl pcs; ls (SW-SP) (OUTWASH)		Rec = 1.25' Dry/Moist HS = 0.6 ppm

RUST ENVIRONMENT & INFRASTRUCTURE	TEST BORING LOG	BORING No. RW-2(X)
PROJECT East Street Area 2		SHEET 2 OF 3
CLIENT General Electric Company - Pittsfield, MA		JOB No. 87386.010

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSI-FICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. / DEPTH	REMARKS
	S-3	4 5	SW-SP				PCB Soil Sample Collected @ 10' BGS LNAPL = none
12	S-4	6 8 9 9	GP		Br gr cm(+)f G, s (-) cmf S; mtld; freq. cbl chips; ls (GP) Brown-gray coarse medium (+) to fine GRAVEL, some (-) coarse to fine Sand; mottled; frequent cobble chips; loose (GP) (OUTWASH)		Rec = 1.35' Dry HS = 1.8 ppm HS = 1.6 ppm (tip of SS) LNAPL = none
14			GP		Br cmf G, s (-) c(+)m S; freq. qtz. cbls; rk frag. noted; ls (GP) Br Gr c(+)m S, a (-) cmf G; stnd w/oil; odr noted		Undisturbed Sample in two 2.5' sections Section 1 (13'-15.5') Moist/wet @ bottom of sample Section 2 (15.5'-18') 100% recovery 0.8' oil stained soils, between 16.7 -17.5' BGS
16			SW-SP				
18	S-5	3 5 6 8	SM		Dk Gr cmf G, s (+) c(+)m S; occ. cbls; oil odr; stnd Dk br/dk gr mf S, s (+) $; mnr oil odr; mnr stnd; ls at 18.2' to 18.5'...Dk gr mf G, s (-) c(+)m S, occl cbls; oil odor, sl stnd; ls/med. dense (SM)	17.5	Rec = 1.35' Wet HS = 2.4 ppm LNAPL = slight sheen observed
20	S-6	1 2 3 4	SP		Dk gr c(+) m S, s(+) mf G; occ cbl chips; minor oil odr; mnr stnd; ls (SP)		Rec = 1.1' Wet HS = 3.2 ppm LNAPL = slight PCB soil sample collected at 20' BGS
22							

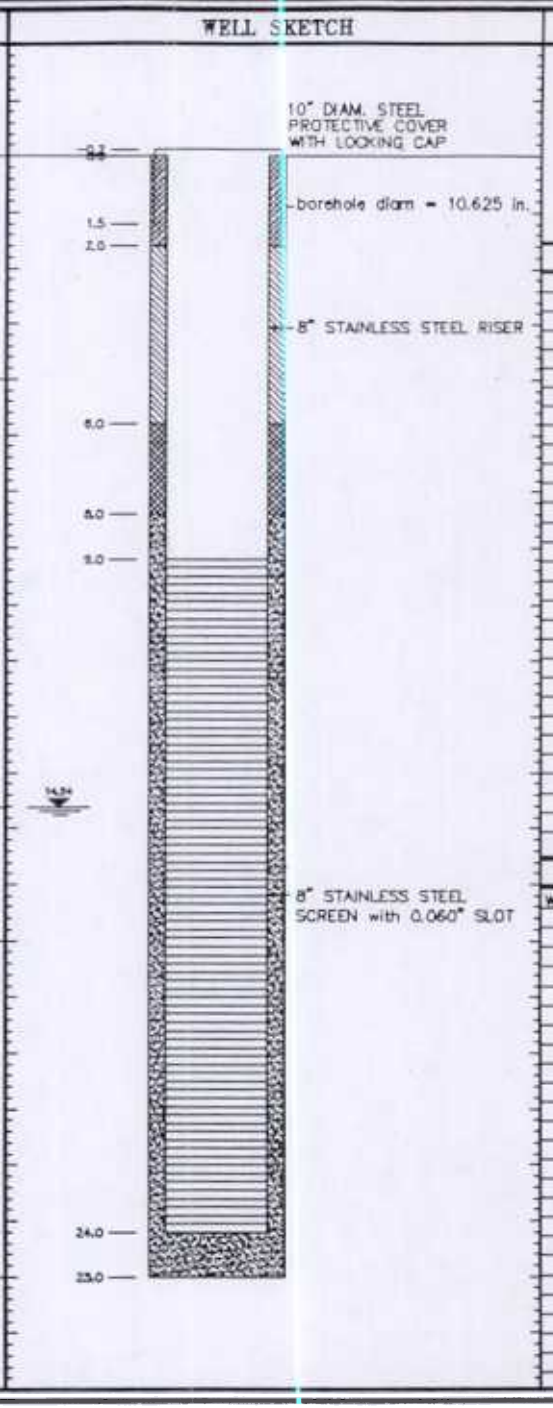
RUST ENVIRONMENT & INFRASTRUCTURE	TEST BORING LOG	BORING No. RW-2(X)
PROJECT East Street Area 2		SHEET 3 OF 3
CLIENT General Electric Company - Pittsfield, MA		JOB No. 87386.010

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSI-FICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. / DEPTH	REMARKS
24	S-7	WOR WOR 2 4	GW-GP		Dk gr mf G, l cm S, occ. cbl chips; v ls; oil odor/stnd (GW-GP) (OUTWASH)		Rec = 1.0' Wet HS = 2.1 ppm LNAPL = slight, minor sheen observed PCB soil sample collected at 24' BGS
					End of Boring @ 25.0' Recovery Well Installation (Stainless Steel, 60 slot screen) 0 - 2' Concrete/Cement Box 2 - 6' Cement/Bentonite Grout 6 - 8' Bentonite Pellets 9 -24' Screen 8 -25' Sand Pack	25.0	

RECOVERY WELL INSTALLATION LOG

WELL NO. RW-2(X) PROJECT EAST STREET AREA 2 \ GE \ PITTSFIELD REF NO. 87386.010 SHEET 1 of 1
INSPECTOR M.A. Williams DRILLING COMPANY Empire Soils Investigations, Inc GROUND ELEV. NA RISER ELEV. NA
WEATHER NA DRILLING METHOD 10 5/8" Hollow Stem Auger WATER ELEV. -14.54 (DEPTH) TIME/DATE 10/29/93
TEMP. NA DRILL RIG Failing F-10 DRILLER E. Cole STARTED 10/27/93 TIME / DATE COMPLETED 10/28/93 TIME / DATE
LOCATION / COORDINATES NOT CURRENTLY AVAILABLE

DEPTH	SOIL / LITHOLOGY
0.0	NOT LOGGED
5.0	SW-SP
	GP
	SW-SP
17.5	SM
	SP
	GW-GP
25.0	END OF BORING 25.0



MATERIALS LEGEND

- PEA GRAVEL
- FINE SAND
- CEMENT
- COARSE SAND
- BENTONITE
- CAVE-IN
- GROUT

INSTALLATION NOTES

WELL DEVELOPMENT NOTES

Well developed on 10/29/93.

CONSTRUCTION MATERIALS SUMMARY

			MATERIAL	TYPE USED	INSTALLATION METHOD
WELL CASING	8.0 in. dia.	2.5 l.f.	FILTER PACK	#3 MORIE	GRAVITY
CASING TYPE	FLUSH THREADED, STAINLESS STEEL		BENTONITE SEAL	BENTONITE	GRAVITY
WELL SCREEN	8.0 in. dia.	15.0 l.f.	GROUT SEAL	CEMENT/BENTONITE	GRAVITY
SCREEN TYPE	STAINLESS STEEL		SURFACE CEMENT	CEMENT/CONCRETE	GRAVITY
WELL COVER	10" DIAM. STEEL				
DRILLING FLUID	NONE USED				

HSI GEOTRANS
A TETRA TECH COMPANY

BORING/WELL CONSTRUCTION LOG

PROJECT NUMBER P009-001
PROJECT NAME Source Control Upper Reach Housatonic River
LOCATION Pittsfield, Massachusetts
DRILLING METHOD Drive and Wash
SAMPLING METHOD SS
GROUND ELEVATION 980.93
TOP OF CASING 980.28
LOGGED BY MJJ/NSB
NORTHING 533486.57

BORING/WELL NUMBER RW-3(X)
CASING TYPE/DIAMETER 6" PVC
SCREEN TYPE/SLOT .080 Slot SS
GRAVEL PACK TYPE D30 = 5mm
GROUT TYPE/QUANTITY Portland/Volclay
DEPTH TO WATER 9.32'
GROUND WATER ELEVATION NM
EASTING 133387.39

FID (ppm)	BLOW COUNTS	SAMPLE ID.	EXTENT	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DISCRIPTION	CONTACT DEPTH	WELL DIAGRAM
				5			No samples taken see Log of E2SC-03 for lithologic description.		Portland / Volclay Grout; 6" Schd 80 PVC Riser; Bentonite Seal
				10					
				15					
				20					
				25					
				30					
				35					

Continued Next Page

HSI GEOTRANS
A TETRA TECH COMPANY

BORING/WELL CONSTRUCTION LOG

PROJECT NUMBER P009-001 **BORING/WELL NUMBER** RW-3(X)

PROJECT NAME Source Control Upper Reach Housatonic River **DATE DRILLED** 9/10/99

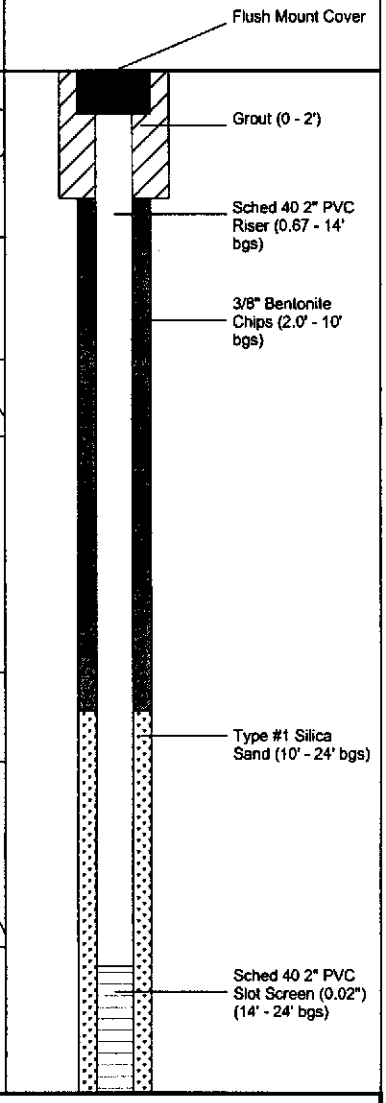
Continued from Previous Page

FID (ppm)	BLOW COUNTS	SAMPLE ID.	EXTENT	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DISCRIPTION	CONTACT DEPTH	WELL DIAGRAM
				40					D30 = 5mm Gravel Pack .080 Slot SS Wire Wraped Screen
NM	NA	SS01		45			Dense, light to medium olive Brown, sandy SILT w/ few gravel, moist, well graded, angular, Till.	45.0	
								47.0	1' SS Sump Bottom Bentonite Seal

BORING_WELL PO... ...J HSI_MA.GDT 9/28/99

Date Start/Finish: 10/10/03 **Drilling Company:** Parratt-Wolff **Driller's Name:** R. Navatna, J. Percy **Drilling Method:** Direct Push/Hollow Stem Auger **Bit Size:** NA **Auger Size:** 4 1/4" **Rig Type:** Ingersoll Rand 8300 **Sampling Method:** 2" Split Spoon	**Northing:** 533784.6 **Easting:** 132976.0 **Casing Elevation:** 992.63 **Borehole Depth:** 24' below grade **Surface Elevation:** 993.3 **Geologist:** K. Gross	**Well/Boring ID:** GMA1-17W **Client:** General Electric Company **Location:** GMA 1 - East Street Area 2 - South

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Blows / 6 Inches	N - Value	Geologic Column	Stratigraphic Description
995								
0								Brown fine SAND and SILT, little fine Gravel, trace organic matter.
	1	0-2	3.0	45.0	NA	NA		Brown-black fine to medium SAND, some Silt, little fine to medium gravel, trace wood, slight petroleum odor.
								Orange-brown fine SILTY-SAND, some fine to coarse Gravel, slight petroleum odor.
990	2	2-4		68.5	NA	NA		Black coarse to fine SAND, some Coal/Ash and Slag, strong petroleum odor. [FILL]
5	3	4-6	2.0	40.5	NA	NA		Orange-brown fine to medium SAND, little Silt and fine to medium Gravel.
								Black COAL/ASH/SLAG, strong petroleum odor. [FILL]
	4	6-8		31.7	NA	NA		Orange-brown fine SAND and SILT, moist, slight petroleum odor.
985	5	8-10	3.8	54.1	NA	NA		
10								Gray-brown SILT, little fine to medium Sand, moist, slight petroleum odor.
	6	10-12		42.5	NA	NA		Orange-brown fine to medium SAND, trace Silt, moist.
980	7	12-14	2.5	23.9	NA	NA		Gray-brown fine to coarse SAND, some fine to medium Gravel, moist.
15								Black coarse to fine SAND, trace Silt, wet, visible product, strong petroleum odor.
	8	14-16		82.7	NA	NA		



Well/Boring Construction

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

Remarks: NA = not available;
bgs = below ground surface.

Client:
General Electric Company

Site Location:
GMA 1 - East Street Area 2 - South

Well/Boring ID: GMA1-17W

Borehole Depth: 24' below grade

DEPTH ELEVATION	Sample Run Number	Sample/In/Type	Recovery (feet)	PID Headspace (ppm)	Blows / 6 Inches	N - Value	Geologic Column	Stratigraphic Description	Well/Boring Construction
	9	16-18	1.2	38.9	NA	NA		Light brown fine SAND (light), some fine to coarse Gravel, strong petroleum odor.	Sched 40 2" PVC Slot Screen (0.02") (14' - 24' bgs); Type #1 Silica Sand (10' - 24' bgs)
975		18-20	NA	NA	NA	NA		Not available.	
20		20-22	0.5	19.5	NA	NA		Dark brown fine SAND, some Silt, trace organic material, wet, strong petroleum odor.	
								Gray coarse to fine GRAVEL, some brown Silt, wet, odor, sheen.	
970		22-24	1.5	27.8	NA	NA		Brown medium to fine SAND, trace Silt, wet, odor.	
25									
965									
30									
960									
35									

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

Remarks: NA = not available;
bgs = below ground surface.

Date Start/Finish: 09/01/98 / 09/03/98 **Drilling Company:** Maxymillian **Driller's Name:** -1 **Drilling Method:** Solid Stem Auger **Bit Size:** -1 **Auger Size :** 22 **Rig Type:** Drott 80 **Spoon Size:** -1-in.	**Northing:** 532583.084 **Easting:** 131024.138 **Well Casing Elev.:** 985.17 ft. **Corehole Depth:** -1 ft. **Borehole Depth:** 20 ft. **Ground Surface Elev.:** 984.80 ft. **Geologist:** Ronald D. Kuhn	**Well No.** RW-1R **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 984.80 ft.											
										GROUND SURFACE	12" diameter temporary plug cap
		(0-2')		NA NA NA NA	NA	1.2	0.0			Brown fine SAND, little medium to coarse Sand, trace fine to medium Gravel, trace Silt, damp.	5'x5' concrete pad with rebar
		(2-4')		NA NA NA NA	NA	1.5	4.1			Dark brown fine SAND, little medium to coarse Sand, little Silt, trace fine to medium Gravel, trace roots, trace to little glass, slag, coal, brick, and clay tile, damp.	Processed gravel (5'x5')
5	980	(4-6')		NA NA NA NA	NA	1.0	0.0				Type I Portland cement/5% bentonite grout 0 to 3.0' bgs
		(6-8')		NA NA NA NA	NA	0.4	0.4				Hydrated medium bentonite chips 3.0' to 5.4' bgs
		(8-10')		NA NA NA NA	NA	1.5	0.0				12" ID Sch. 40 stainless steel riser 0 to 9.4' bgs
10	975	(10-12')		NA NA NA NA	NA	1.3	0.0				Grade #2 unisil silica sand pack 5.4' to 19.4' bgs
		(12-14')		NA NA NA NA	NA	1.3	3.3			Moist Color change to dark gray to black @ 14' bgs, saturated.	24" diameter borehole
15	970	(14-16')		NA NA	NA	0.5	17.3			**Fill/Native Boundary**	12" ID stainless steel wire wound 0.040" slot screen 9.4' to 19.4' bgs

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

Remarks:

No analytical samples were collected for this boring. Soil descriptions are from RW-1R (Pilot Boring) which was installed by BBL on 8/13/98 using a powerprobe direct push rig.

Water Levels

Date / Time	Elevation	Depth
8/13/98		14 ▼
		-1 ▽

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. RW-1R

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')		NA NA	NA	0.5	17.3			Dark gray to black fine to coarse SAND, little Silt, trace to little fine to medium Gravel, saturated, slight sheens, odor.	12" ID stainless steel wire wound 0.040" slot screen 9.4' to 19.4' bgs
		(16-18')		NA NA NA NA	NA	1.4	24.9				
		(18-20')		NA NA NA NA	NA	2.0	1.5			Olive brown SILT, little fine Sand, trace medium to coarse Sand, trace fine to medium Gravel, moist. (Confining)	
20	965									Bottom of boring at 20.0' bgs	12" ID stainless steel sump 19.4' to 20.4' bgs Hydrated bentonite seal 19.4' to 20.4' bgs
25	960										
30	955										
35	950										

BBL
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engineers & scientists

Remarks:
Total depth of boring 20.0' bgs. Total depth of recovery well 20.4' bgs. NA = Not applicable.

Water Levels

Date / Time	Elevation	Depth
8/13/98		14
		-1
		-1

Date Start/Finish: 8/8/05 - 8/9/05 **Drilling Company:** SJB Services, Inc. **Driller's Name:** Bill Bosworth **Drilling Method:** HSA **Bit Size:** 8.5" OD **Auger Size:** 8.25" ID **Rig Type:** CME 75 **Sampling Method:** 2" X 2' SS	**Northing:** 532577.40 **Easting:** 131668.80 **Casing Elevation:** 985.98 **Borehole Depth:** 40' bgs. **Surface Elevation:** 983.3 **Geologist:** Katherine Murray	**Well ID:** N2SC-1I(R) **Client:** General Electric Company **Location:** Newell St II Pittsfield, Massachusets

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
985									8" Steel outer casing with locking cap over inner PVC stick-up (3.37' ags - 6.63' bgs) Locking 6" J-plug seal over PVC Riser (3.01' ags)
0								Auger down to evidence of NAPL on auger cuttings, begin sampling continously below 20' bgs to Till. HSI GEOTRANS description from 1998 log included from 0 - 20' bgs: Medium Dense, Dusky Brown, SAND w/ some organics, few gravel, dry, well graded. (SW), (Fill).	6" diameter SCH 40 PVC riser (3.01' ags - 25' bgs.).
980								Medium dense, Moderate dark Grey, SAND w/trace interbedded silt, dry, poorly graded, iron filings, (SP), (Fill).	
5								Loose, Moderate dark Grey - Dusky Brown, SAND w/little organics (wood fragments), cement, moist, well graded, (SW), (Fill).	8" X 10' Steel outer casing (3.37' ags - 7' bgs)
975								Medium dense, Moderate olive Brown - Moderate dark Grey, sandy GRAVEL w/coal fragments, moist, well graded (GW - SW), (Fill).	
10								Loose, black, sandy GRAVEL, wet, well graded, visible product, (GW - SW), Fill.	Bentonite/cement grout (0 - 25' bgs)
								Black, organic peat, moist, peat-stained black roots, etc. (PT).	
970								Loose, Moderate reddish Brown, peat, stained heavily. (PT).	
								Dark reddish Brown, fine - coarse SAND w/some organics, moist, graded, (SW - PT).	
15								Loose, Black, organics (decayed wood), moist, septic odor, (PT).	
								Wood core.	

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engineers, scientists, economists

Remarks: NA = Not Available/Applicable; bgs = below ground surface; ags = above ground surface; SS = Split Spoon; HSA = Hollow Stem Auger; TBD = To Be Determined; OD = Outer Diameter; ID = Inner Diameter; NAPL = Non-aqueous Phase Liquid; LNAPL = Light Non-aqueous Phase Liquid.

Client:
General Electric Company

Site Location:
Newell St II
Pittsfield,
Massachusets

Boring ID: N2SC-1I(R)

Borehole Depth: 40' bgs.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
								Wood core.	
965								Dense, Moderate olive Brown, coarse - fine SAND w/some organics, wet, well graded, (SW).	6" diameter SCH 40 PVC riser (3.01' ags - 25' bgs.).
								Wood core. End of HSI GEOTRANS descriptions from 1998.	
20	1	20-22	1.0	2 2 4 8	6	0.0		Begin sampling for new recovery well due to evidence of NAPL on auger cuttings: Olive-gray very fine SAND, some Silt, medium dense, nonplastic, saturated. No evidence of NAPL in spoon at this depth. Shake test on auger cuttings showed a thin layer of LNAPL.	Bentonite/cement grout (0 - 25' bgs)
960	2	22-24	0.8	3 6 6 5	12	0.0			
25	3	24-26	0.9	1 3 7 7	10	0.0		Gray fine GRAVEL, some coarse Sand, little medium Sand, trace fine Sand and Silt, loose, nonplastic, saturated.	Hydrated bentonite seal (25-27' bgs.).
	4	26-28	1.1	3 4 3 4	7	0.0		Olive-gray very fine SAND, some Silt, medium dense, nonplastic, saturated.	
955	5	28-30	1.3	5 5 5 6	10	0.0		Gray/olive medium SAND, some fine Sand, trace coarse Sand, loose, nonplastic, saturated.	# 1 Morie Sandpack (27 - 38' bgs.).
30	6	30-32	1.2	3 6 6 5	12	0.0		Gray fine Gravel, some coarse Sand, little medium Sand, trace fine Sand and Silt, loose, nonplastic, saturated.	6" diameter SCH 40 PVC 0.020 slotted well screen (28 - 38' bgs).
950	7	32-34	0.6	4 8 7 10	15	0.0			
35	8	34-36	0.7	3 3 4 4	7	70			

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Client:
General Electric Company

Site Location:
Newell St II
Pittsfield,
Massachusets

Boring ID: N2SC-1I(R)

Borehole Depth: 40' bgs.

DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
	9	36-38	1.3	5 2 2 2	4	82		Gray-olive SILT, little fine Sand, sheen, strong odor, possible NAPL, medium dense, saturated.	6" diameter SCH 40 PVC 0.020 slotted well screen (28 - 38' bgs). # 1 Morie Sandpack (27 - 38' bgs.).
945	10	38-40	1.0	2 4 10 19	14	65		Olive-gray SILT, little very fine Sand and fine to medium Gravel, medium dense to dense, sheen, odor, saturated.	# 1 Morie Sand (38 - 40' bgs.).
40									
940									
45									
935									
50									
930									
55									

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Remarks: NA = Not Available/Applicable; bgs = below ground surface; ags = above ground surface; SS = Split Spoon; HSA = Hollow Stem Auger; TBD = To Be Determined; OD = Outer Diameter; ID = Inner Diameter; NAPL = Non-aqueous Phase Liquid; LNAPL = Light Non-aqueous Phase Liquid.

Date Start/Finish: 8/10/05 - 8/11/05
Drilling Company: SJB Services, Inc.
Driller's Name: Bill Bosworth
Drilling Method: HSA
Bit Size: 8.5" OD
Auger Size: 8.25" ID
Rig Type: CME 75
Sampling Method: 2" X 2' SS

Northing: 532538.9
Easting: 131586.6
Casing Elevation: 986.08

Borehole Depth: 40' bgs.
Surface Elevation: 983.5

Geologist: Katherine Murray

Well ID: N2SC-3I(R)

Client: General Electric Company

Location: Newell St II
Pittsfield, Massachusets

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
985 / 0									Steel outer casing with locking cap over inner PVC stick-up (2.9' ags - 7.1' bgs)
									Locking 6" J-plug seal over PVC Riser (2.5' ags)
0								Auger down to evidence of NAPL on auger cuttings, begin sampling continously below 20' bgs to Till. HSI GEOTRANS description from 1998 log included from 0 - 20' bgs: Loose, Pale Brown, SAND w/ some organics, few gravel, dry, well graded. (SP), (Fill).	6" diameter SCH 40 PVC riser (2.5' ags - 25' bgs.).
								Medium dense, Yellowish Orange to Moderate dark Brown, SAND w/ceramic and coal fragments, dry, well graded, (SP), (Fill).	
980								Medium dense, Grey, wood and paper fragments, (Fill).	
5								Medium dense, Moderate Brown, SAND w/few gravel, little organics, moist, well graded, (SP), (Fill).	8" Steel outer casing (2.9' ags - 7.1' bgs)
								Medium dense, Moderate to Dark Brown, SAND w/little gravel, few ceramic fragments, moist, well graded, (SW), (Fill).	
975								Medium dense, Moderate to Dark Brown, SAND w/some silt, wood and brick fragments, (SW), (Fill).	
10								Loose, Black, SAND w/some gravel, copper wire, wet, well graded, sheen present, (SW), (Fill).	Bentonite/cement grout (0 - 25' bgs)
								Loose, Black, organic peat (roots sticks fiberous), wet, (PT).	
970									
15									

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Remarks: NA = Not Available/Applicable; bgs = below ground surface; ags = above ground surface; SS = Split Spoon; HSA = Hollow Stem Auger; TBD = To Be Determined; OD = Outer Diameter; ID = Inner Diameter; WOR = Weight Of Rod; NAPL = Non-aqueous Phase Liquid; LNAPL = Light Non-aqueous Phase Liquid..

Client:
General Electric Company

Site Location:
Newell St II
Pittsfield,
Massachusets

Boring ID: N2SC-3I(R)

Borehole Depth: 40' bgs.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
								Loose, Black, organic peat (roots sticks fiberous), wet, (PT).	6" diameter SCH 40 PVC riser (2.5' ags - 25' bgs.).
965								Loose, Greyish Olive, medium SAND w/trace gravel, wet, poorly graded (SP).	
								Loose, Greyish Olive to Olive Grey, medium - coarse SAND, wet, graded, (SP-SW). End of HSI GEOTRANS descriptions from 1998.	
20	1	20-22	0.4	1 2 3 3	5	0.0		Begin sampling for new recovery well due to evidence of NAPL on auger cuttings: Gray-brown fine to medium SAND, trace coarse Sand/Silt/Wood (in shoe), loose, nonplastic, saturated. No evidence of NAPL at this depth.	Bentonite/cement grout (0 - 25' bgs)
	2	22-24	1.8	2 2 2 2	4	0.0		Wood at 23.0' bgs.	
960	3	24-26	1.3	WOR 1 1 1	2	0.0		Gray fine SAND, little medium Sand and Silt, loose, nonplastic, saturated. Running sands throughout 20-30' bgs.	
25	4	26-28	0.6	WOR 3 6 6	9	0.0			Hydrated bentonite seal (25-27' bgs.).
	5	28-30	2.0	WOR 1 3 4	4	0.0			# 1 Morie Sandpack (27 - 38' bgs.).
955	6	30-32	1.3	WOR WOR 2 4	--	0.0		Gray-brown medium to coarse SAND, trace fine Gravel/fine Sand/Silt, loose, nonplastic, saturated.	6" diameter SCH 40 PVC 0.020 slotted well screen (28 - 38' bgs).
30	7	32-34	2.0	5 15 22 31	37	0.0		Increasing fine Gravel to some 32-33.5' bgs. Olive-gray fine GRAVEL, little fine to coarse Sand, trace Silt, medium dense, nonplastic, saturated.	
950	8	34-36	1.0	7 17 13 17	30	70		Olive-gray fine to coarse SAND, some fine to medium Gravel, trace Silt, rainbow sheen, odor, loose, nonplastic, saturated.	
35									

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Client:
General Electric Company

Site Location:
Newell St II
Pittsfield,
Massachusets

Boring ID: N2SC-3I(R)

Borehole Depth: 40' bgs.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
	9	36-38	0.9	9 9 8 19	17	52		Olive-gray very fine SAND, little Silt, odor, NAPL (product poured out of spoon and pooled), medium dense, saturated.	6" diameter SCH 40 PVC 0.020 slotted well screen (28 - 38' bgs). # 1 Morie Sandpack (27 - 38' bgs.).
945	10	38-40	0.8	3 2 7 8	9	22		Olive-gray SILT, some very fine Sand, little fine to medium Gravel, NAPL in spoon, odor, dense, saturated. [TILL]	# 1 Morie Sand (38 - 40' bgs.).
40									
940									
45									
935									
50									
930									
55									

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Remarks: NA = Not Available/Applicable; bgs = below ground surface; ags = above ground surface; SS = Split Spoon; HSA = Hollow Stem Auger; TBD = To Be Determined; OD = Outer Diameter; ID = Inner Diameter; WOR = Weight Of Rod; NAPL = Non-aqueous Phase Liquid; LNAPL = Light Non-aqueous Phase Liquid..

HSI GEOTRANS
A TETRA TECH COMPANY

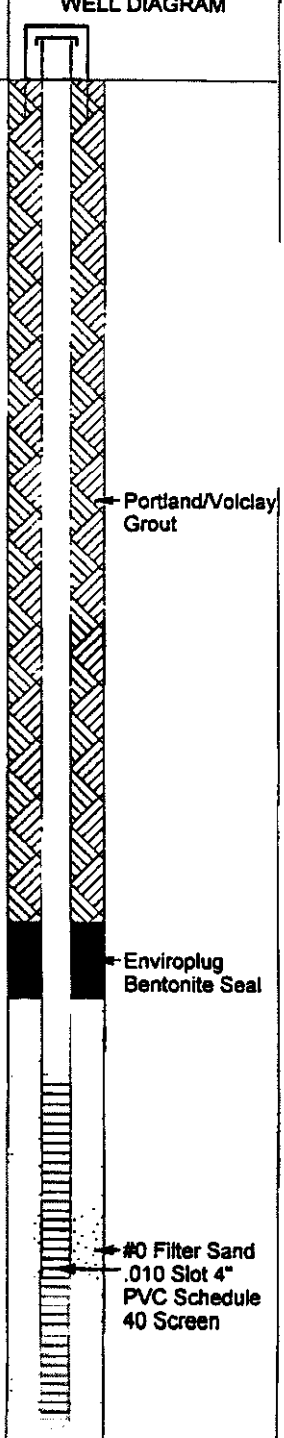
BORING/WELL CONSTRUCTION LOG

PROJECT NUMBER P009-002	BORING/WELL NUMBER N2SC-14
PROJECT NAME Source Control Upper Reach Housatonic River	DATE DRILLED 4/6/00 - 4/11/00
LOCATION Pittsfield, Massachusetts	CASING TYPE/DIAMETER 4" inner diameter PVC
DRILLING METHOD Hollow Stem Augers, Drive and Wash	SCREEN TYPE/SLOT .010 Slot 4" inner diameter PVC
SAMPLING METHOD Split Spoon	GRAVEL PACK TYPE #0 Silica Sand
GROUND ELEVATION 983.40 ft. NGVD	GROUT TYPE/QUANTITY Portland/Volclay
MEASURING POINT ELEVATION 985.06 ft. NGVD	DEPTH(ft BGS)/ELEVATION OF WATER 12.12 / 971.28 on 4/12/2000
LOGGED BY SKC	DRILLING CONTRACTOR Parratt Wolff
NORTHING 532617.19815	EASTING 131618.22579

PID (ppm)	BLOW COUNTS	SAMPLE ID.	EXTENT	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DISCRIPTION	CONTACT DEPTH
0.2		SS01					Medium dense, Top 0.3 Moderate to Dusky yellowish Brown, SILT with gravel and roots, moist, graded (TOPSOIL). Mid 0.5 Dark Gray, diatomaceous SAND, dry, poorly graded (FILL). Bottom 0.9 Moderate yellowish Brown, SILT interbedded with Dark Gray sand with coal slag and glass fragments, dry, graded (FILL).	2.0
1.4		SS02						
0.2		SS03		5			Medium dense, Top 1.0 Dark Gray, diatomaceous fine SAND with rust mottling, band of Light Brown coarse sand and coal slag at base, dry. Bottom 0.5 Dusky yellowish Brown, fine SAND with coal slag, dry (FILL).	4.0
1.2		SS04					Loose, Top 1.0 Dark Gray, diatomaceous fine SAND with silvery paper, dry. Bottom 0.5 Dark to Dusky yellowish Brown, fine SAND with little silt and trace gravel, coal slag, dry (FILL).	6.0
3.4		SS05					Very loose, Top 1.1 Dark Gray, diatomaceous fine SAND with silvery paper and brick fragments, grading to Dusky yellowish Brown, dry (FILL). Bottom 0.9 Dark yellowish Brown, silty fine SAND with rust mottling and roots, moist, poorly graded (SP).	8.0
2.2		SS06		10				10.0
82		SS07					Loose, Olive Gray, fine SAND interbedded with bands of Moderate olive Brown to Dusky Yellow fine sand, trace gravel, moist, poorly graded (SP).	12.0
76		SS08					Loose, Light olive Gray, fine SAND, wet, poorly graded (SP).	14.0
80		SS09		15			Very loose, Top 0.9 same as above (SP). Bottom 0.3, Olive Black, wood fragments with little fine sand and trace silt, wet (PT).	16.0
30		SS10					Loose, Light olive Gray, fine SAND with layers of 2 mm to 0.1' interbedded PEAT, wet, poorly graded (SP, PT).	18.0
45		SS11		20			Loose, Top 0.5 Light olive Brown, coarse SAND with little gravel, bands of Fe staining, wet, graded, subangular to subround (SW/GW). Bottom 0.4 Light olive Gray, laminated SILT and CLAY, wet (ML/CL).	20.0
22		SS12					Spoon driven twice (1st time no recovery). Medium dense, Olive Gray, silt and fine SAND grading to coarse SAND and gravel with little silt, wet, subround, well graded (SW).	22.0
140		SS13		25			Medium dense, same as above with 0.2' layers of coarse sand and gravel (SW, GW).	24.0
65		SS14					Medium dense, same as above (SW, GW).	26.0
160		SS15					Medium dense, same as above (SW, GW).	28.0
N/A		SS16		30			Loose, same as above (SW, GW).	30.0
700		SS17					Dense, Olive Gray, fine SAND with some silt, sand has horizontal preferred orientation, silty sections are laminated, wet, poorly graded, (SP, SM).	32.0
400		SS18		35			Gneiss cobble stuck in spoon tip.	34.0
							Medium dense, Top 0.4 Moderate yellowish Brown, coarse SAND and GRAVEL, wet, well graded, subangular, sheen present. Bottom 0.8 Light olive Gray, medium SAND and some gravel, wet, well graded, subangular, stained black	

Continued Next Page

WELL DIAGRAM



BORING_WELL P009.GPJ HSI_MA.GDT 5/9/00

HSI GEOTRANS
A TETRA TECH COMPANY

BORING/WELL CONSTRUCTION LOG

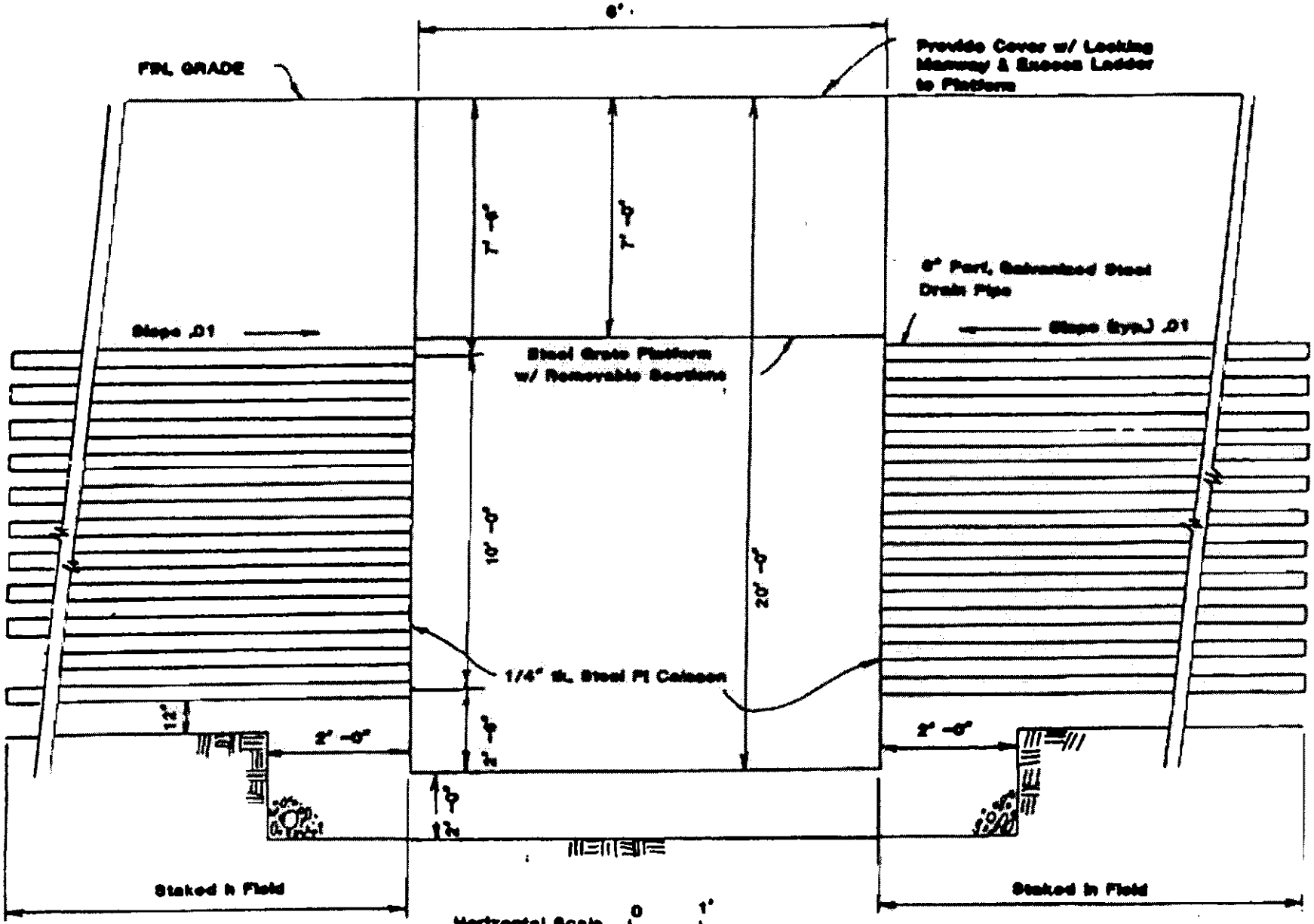
PROJECT NUMBER P009-002
BORING/WELL NUMBER N2SC-14
PROJECT NAME Source Control Upper Reach Housatonic River
DATE DRILLED 4/6/00 - 4/11/00

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID.	EXTENT	DEPTH (ft. BGL)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DISCRIPTION	CONTACT DEPTH	WELL DIAGRAM
360		SS19					in top of section, beige grease or oil present in stained section (SW, GW).	36.0	1' 4" PVC Schedule 40 Sump
							Medium dense, Top 0.1 Light olive Gray, GRAVEL with few fines, wet, well graded (GW). Mid 0.4 Dark yellowish Brown, coarse SAND and GRAVEL with few fines, wet, well graded, angular (SW/GW). Bottom 0.1 Light olive Gray, SILT, wet (ML). Free product running down inside of spoon.	38.0	
							Loose, Top 0.1 Light olive Brown to Dusky Yellow, SILT and GRAVEL, wet, well graded, subangular, sheen present (possibly from side of spoon). Bottom 0.8 Light olive Gray to Moderate olive Brown, laminated SILT and CLAY with trace gravel, wet to moist, well graded, angular gravel, no sheens observed (TILL).		
							END OF BORING 38.0 ft.		

Notes:
BGS - Below Ground Surface
NA - Not applicable
ND - Not detected
PID - Photo Ionization Detector reading
NGVD - elevation with reference to National Geodesic Vertical Datum

BORING_WELL P009.GPJ HSI_MA.GDT 5/8/00



EAST STREET AREA 1- NORTH RECOVERY SYSTEM
CAISSON DETAIL

2

GERAGHTY & MILLER, INC.
Ground-Water Consultants

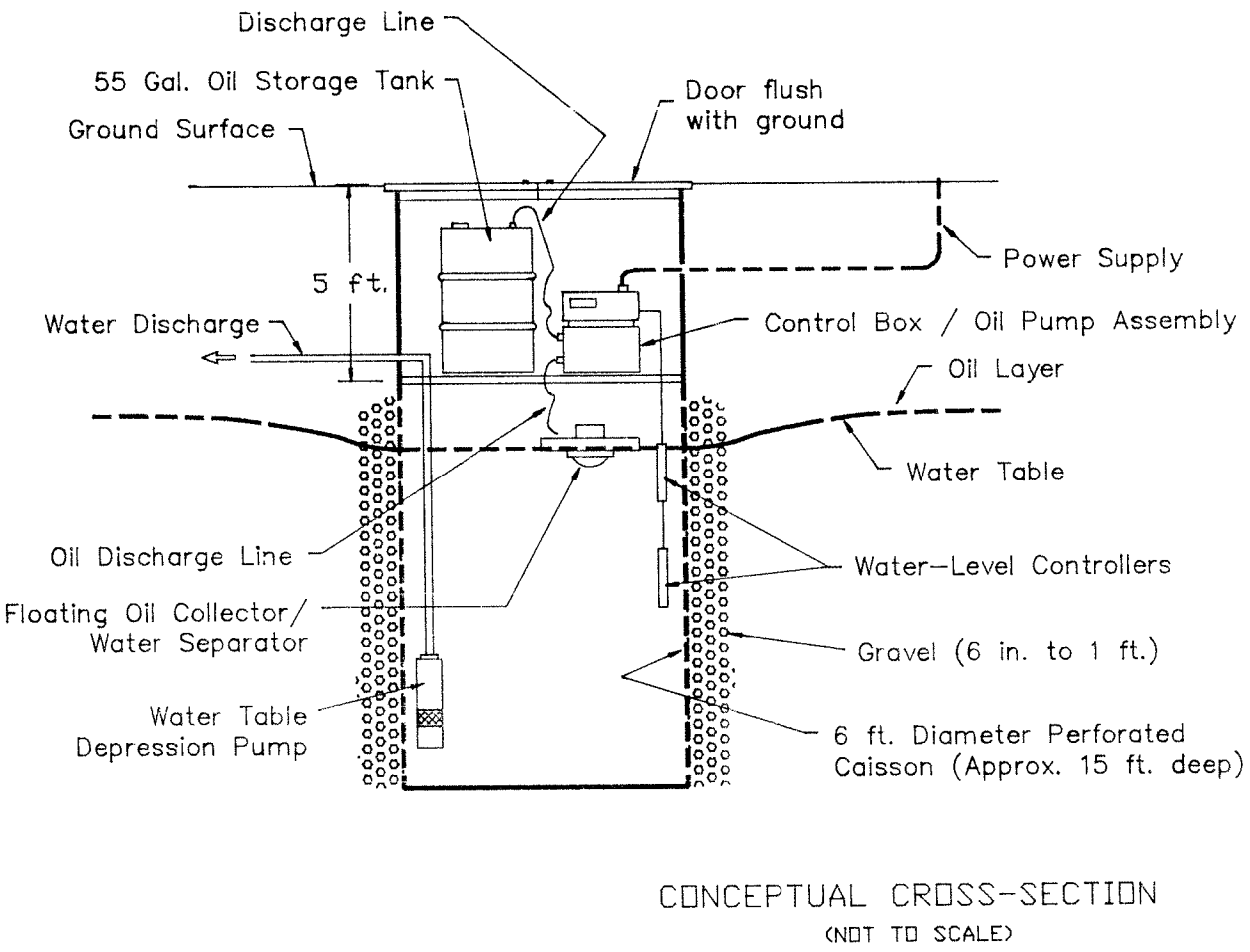


FIGURE 3

EAST STREET - AREA 1
PROPOSED OIL RECOVERY SYSTEM

SPECTRA
SPECTRA ENVIRONMENTAL GROUP, INC.
SPECTRA ENGINEERING, P.C.

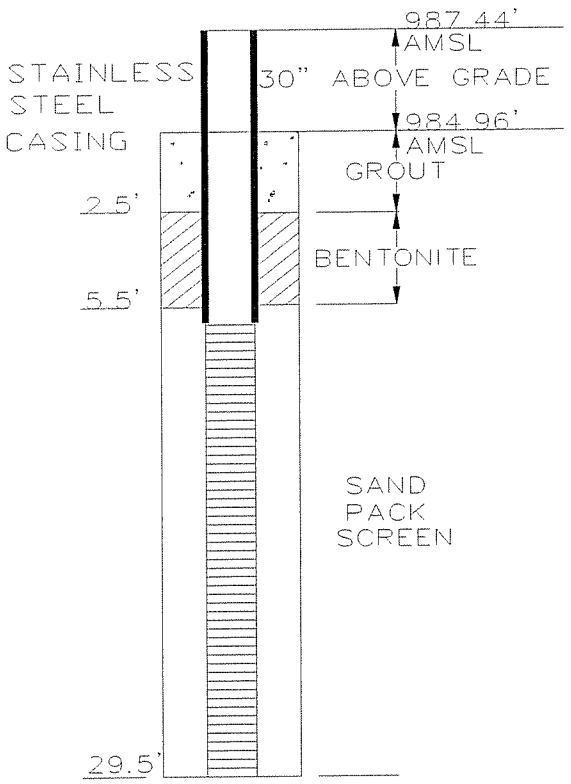
RECOVERY WELL COMPLETION LOG

Well I.D.: RW-4

Project Name:	East Street Area 2 South (Scrapyard). RW-4 Recovery System.	**Project No.**	07113
Client Name:	General Electric Co., Corporate Environmental Office	**Date Drilled:**	7/25/2007
Location:	Pittsfield, Massachusetts	**Date Developed:**	7/27/2007
Weather/Temp.	Sunny, Warm		

WELL CONSTRUCTION DETAILS

Note: Elevations provided by Arcadis BBL.



Not To Scale

INSPECTION NOTES

Inspector: Jason Kappel, Ed Davidson

Contractor: Aquifer Drilling and Testing, Troy, NY

Drilling Method:

Type: Fluid (Mud) Rotary — Diameter: 17"

Equipment: Schramm

Type of Well: Recovery System

Static Water Level: 12' BGS — 7/24/2007

Measuring Point: Grade

Total Depth of Well: 29.5' BGS

Sampling Method:

Type: -- — Diameter: --

Weight: -- — Fall: --

Interval: --

Riser Pipe Left in Place:

Material: Stainless Steel — Schedule: --

Length: 12 feet — Stickup: 30-inch

Diameter: 12-inch — Joint Type: Threaded

Screen:

Material: Stainless Steel — Diameter: 12-inch

Slot Size: 40-Slot — Length: 20 feet

Stratigraphic Unit Screened: sand, gravel

Filter Pack:

Sand: Size 2 — Gravel: --

Grade: -- — Natural: --

Amount -- — Interval: --

Seals:

Type: Grout-Cement/Bentonite — Interval: 0-5.5 BGS

SPECTRA
SPECTRA ENVIRONMENTAL GROUP, INC.
SPECTRA ENGINEERING, P.C.

BORING LOG

Boring No: RW-4

Project Name:	East Street Area 2 South (Scrapyard) RW-4 Recovery System	**Project No:**	07113
Client Name:	General Electric Co., Corporate Env. Office	**Date:**	7/24/07
Location:	Pittsfield, Massachusetts	**Logged By:**	EGD/JCK
Weather/Temp:	Sunny, Warm	**Checked By:**	JCK/JDC
Drilling Co:	Aquifer Drilling and Testing	**Depth:**	33 feet bgs
Driller:		**Equipment:**	
Date Started:	7/24/2007	**Method:**	HSA/Split Spoon
Date Ended:	7/24/2007	**Depth/Datum:**	BGS

Depth	Sample No.	Blow Count	Graphic Log 1"=____	Unified Class.	DESCRIPTIVE LOG color, grain size and amount, texture, moisture DEPOSITIONAL UNIT outwash, till, lacustrine, muck, fill	REMARKS
0-1' BGS	-				**Concrete and Sub-base**	Not sampled
1-3' BGS	1	11 18 11 12			**Fill** - sandy, gray to brown, "chunks" of ceramic and metal debris Bottom 4" stained black but odorless/no volatiles, PID readings 0-6 ppm	14" recovery dry, loose
3-5' BGS	2	36 35 50/3			**Fill** - sandy, gray to dark brown, fractured rock (limestone & quartzite), metal fragments/debris at 4' bgs Odorless, PID non-detect	11" recovery dry, loose refusal due to cobble
5-7' BGS	3	22 24 17 23			**Fill** - fine sand to gravel, dark gray to black, brick & wood fragments throughout, glass fragments in bottom 2". Odorless, PID non-detect	16" recovery dry, loose
7-9' BGS	4	12 10 8 6			Top 2-3" **Fill** - as above Remaining 7-8" **Sand** - medium-fine, yellow-gray, homogenous Odorless, PID non-detect	10" recovery dry, loose

SPECTRA
SPECTRA ENVIRONMENTAL GROUP, INC.
SPECTRA ENGINEERING, P.C.

BORING LOG

Boring No: RW-4

Depth	Sample No.	Blow Count	Graphic Log 1"=____	Unified Class.	DESCRIPTIVE LOG color, grain size and amount, texture, moisture DEPOSITIONAL UNIT outwash, till, lacustrine, muck, fill	REMARKS
9-11' BGS	5	17 17 12 9			**Sand** - as above, medium fine, yellow gray, homogenous Odorless, PID non-detect	2" recovery damp to wet capillary fringe
11-13' BGS	6	5 3 4 5			**Sand** - as above, fine to medium, varved, finer to coarser sequences, quartz-rich, gray to yellow-gray, saturated Odorless, no sheens or staining, PID non-detect	23" recovery saturated, loose
13-15' BGS	7	2 8 10 6			**Sand** - some gravel Top 10" - **Sand** - as above, gray to yellow gray 10-11" - **Organic refuse** - wood, leaf litter 11-14" - **Gravel** - buff gray with coarse quartzite	14" recovery saturated, loose
15-17' BGS	8	4 9 11 15			**Sand and Gravel** - gray to yellow-gray, medium fine sand to coarse, quartz-rich gravel, well rounded Petroleum odor, oil sheen on spoon, PID non-detect	12" recovery saturated, loose
17-19' BGS	9	5 4 6 5			**Sand** - medium to coarse, some gravel, gray to yellow-gray, quartz-rich, homogenous Odorless, PID non-detect	14" recovery saturated, loose
19-21' BGS	10	4 4 5 7			**Sand** - medium to coarse, some fine gravel, quartz-rich, gray to yellow-gray, very homogenous Odorless, PID non-detect	14" recovery saturated, loose
21-23' BGS	11	4 4 6 6			**Sand** - medium to coarse, no gravel, gray, homogenous Some blotchy staining/sheen, Odorless, PID non-detect	14" recovery saturated, loose

SPECTRA
SPECTRA ENVIRONMENTAL GROUP, INC.
SPECTRA ENGINEERING, P.C.

BORING LOG

Boring No: RW-4

Depth	Sample No.	Blow Count	Graphic Log 1"=____	Unified Class.	DESCRIPTIVE LOG color, grain size and amount, texture, moisture DEPOSITIONAL UNIT outwash, till, lacustrine, muck, fill	REMARKS
23-25' BGS	12	3 4 5 5			**Sand** - coarse, grading to fine gravel (near bottom of sample), gray to gray brown, high quartz content, homogenous Odorless, PID non-detect	13" recovery saturated, loose
25-27' BGS	13	3 4 5 10			**Sand** - coarse, some fine to medium sand, some fine gravel, gray to gray brown, high quartz content, homogenous Mild petroleum/oil odor, PID non-detect	14" recovery saturated, loose
27-29' BGS	14	2 4 5 6			**Sand** - medium to fine, gray to gray brown, gravel and coarse sand in bottom half of sample Odorless, PID non-detect	10" recovery saturated, loose
29-31'BGS	15	3 8 9 14			**Gravel** - medium to coarse, quartz-rich, rounded, upper 10" yellow-brown, bottom 3" gray to dark gray Odorless, PID non-detect	13" recovery saturated, loose
31-33' BGS	16	8 17 14 13			**Gravel** - some sand, gray to dark gray, "loose till" Odorless, PID non-detect	10" recovery saturated, more cohesive
33' BGS					**End of Boring**	

ARCADIS

Appendix B

Summary of Historical NAPL Recovery

Table B-1
Historical NAPL Recovery Data

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

DATE	LOCATION, TYPE, AND QUANTITY OF NAPL REMOVED (Gallons)														YEARLY VOLUME	CUMULATIVE VOLUME
	EAST STREET AREA 1-NORTH AND SOUTH		EAST STREET AREA 2-SOUTH				LYMAN STREET AREA				NEWELL STREET AREA II					
	LNAPL YEARLY	LNAPL CUMULATIVE	LNAPL YEARLY TOTAL	DNAPL YEARLY TOTAL	LNAPL+DNAPL YEARLY	LNAPL+DNAPL CUMULATIVE	LNAPL YEARLY TOTAL	DNAPL YEARLY TOTAL	LNAPL+DNAPL YEARLY	LNAPL+DNAPL CUMULATIVE	LNAPL YEARLY TOTAL	DNAPL YEARLY TOTAL	LNAPL+DNAPL YEARLY	LNAPL+DNAPL CUMULATIVE		
1975 - 1982	---	0.0	110,000	---	110,000	110,000	---	---	0	0	---	---	0	0	110,000	110,000
1980 - 1989	510.0	510.0	---	---	0	110,000	---	---	0	0	---	---	0	0	510	110,510
1983	---	510.0	16,780	---	16,780	126,780	---	---	0	0	---	---	0	0	16,780	127,290
1984	---	510.0	17,950	---	17,950	144,730	---	---	0	0	---	---	0	0	17,950	145,240
1985	---	510.0	40,564	---	40,564	185,294	---	---	0	0	---	---	0	0	40,564	185,804
1986	---	510.0	63,745	---	63,745	249,039	---	---	0	0	---	---	0	0	63,745	249,549
1987	---	510.0	58,780	---	58,780	307,819	---	---	0	0	---	---	0	0	58,780	308,329
1988	---	510.0	61,767	---	61,767	369,586	---	---	0	0	---	---	0	0	61,767	370,096
1989	---	510.0	47,107	---	47,107	416,693	---	---	0	0	---	---	0	0	47,107	417,203
1990	26.0	536.0	26,995	---	26,995	443,688	---	---	0	0	---	---	0	0	27,021	444,224
1991	92.4	628.4	39,395	---	39,395	483,083	---	---	0	0	---	---	0	0	39,487	483,711
1992	85.4	713.8	50,561	---	50,561	533,644	80	135	215	215	---	---	0	0	50,861	534,573
1993	117.0	830.8	40,175	---	40,175	573,819	67	100	167	382	---	---	0	0	40,459	575,032
1994	81.9	912.7	30,051	---	30,051	603,870	47	143	190	572	---	---	0	0	30,323	605,354
1995	110.7	1,023.4	59,358	---	59,358	663,228	76	78	154	726	---	---	0	0	59,623	664,977
1996	80.3	1,103.7	45,192	0	45,192	708,420	794	88	882	1,608	3.6	123	127	127	46,282	711,259
1997	81.5	1,185.2	51,107	45	51,152	759,573	407	55	462	2,070	2.5	111	113	240	51,810	763,068
1998	53.7	1,238.9	36,003	67	36,069	795,642	301	45	345	2,416	0.8	132	132	373	36,601	799,669
1999	75.6	1,314.5	26,809	260	27,069	822,711	181	34	215	2,631	0.0	13,108	13,108	13,481	40,468	840,137
2000	61.9	1,376.4	33,353	856	34,209	856,921	126	23	149	2,780	2.1	12,523	12,525	26,006	46,940	887,077
2001	56.6	1,433.0	22,120	698	22,818	879,739	183	25	208	2,988	2.5	5,366	5,369	31,375	28,451	915,528
2002	83.9	1,516.9	15,017	626	15,643	895,381	182	24	206	3,193	0.0	1,525	1,525	32,900	17,457	932,985
2003	21.6	1,538.6	22,040	599	22,639	918,020	165	6	172	3,365	0.1	2,063	2,063	34,963	24,896	957,881
2004	70.1	1,608.7	25,686	837	26,523	944,543	49	8	57	3,422	0.5	1,759	1,759	36,722	28,409	986,290
2005	115.8	1,724.5	13,464	559	14,023	958,566	51	6	56	3,478	0.8	682	683	37,405	14,877	1,001,168
2006	74.6	1,799.1	13,687	351	14,038	972,604	1	6	7	3,485	0.7	727	728	38,133	14,848	1,016,016

Table B-1
Historical NAPL Recovery Data

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

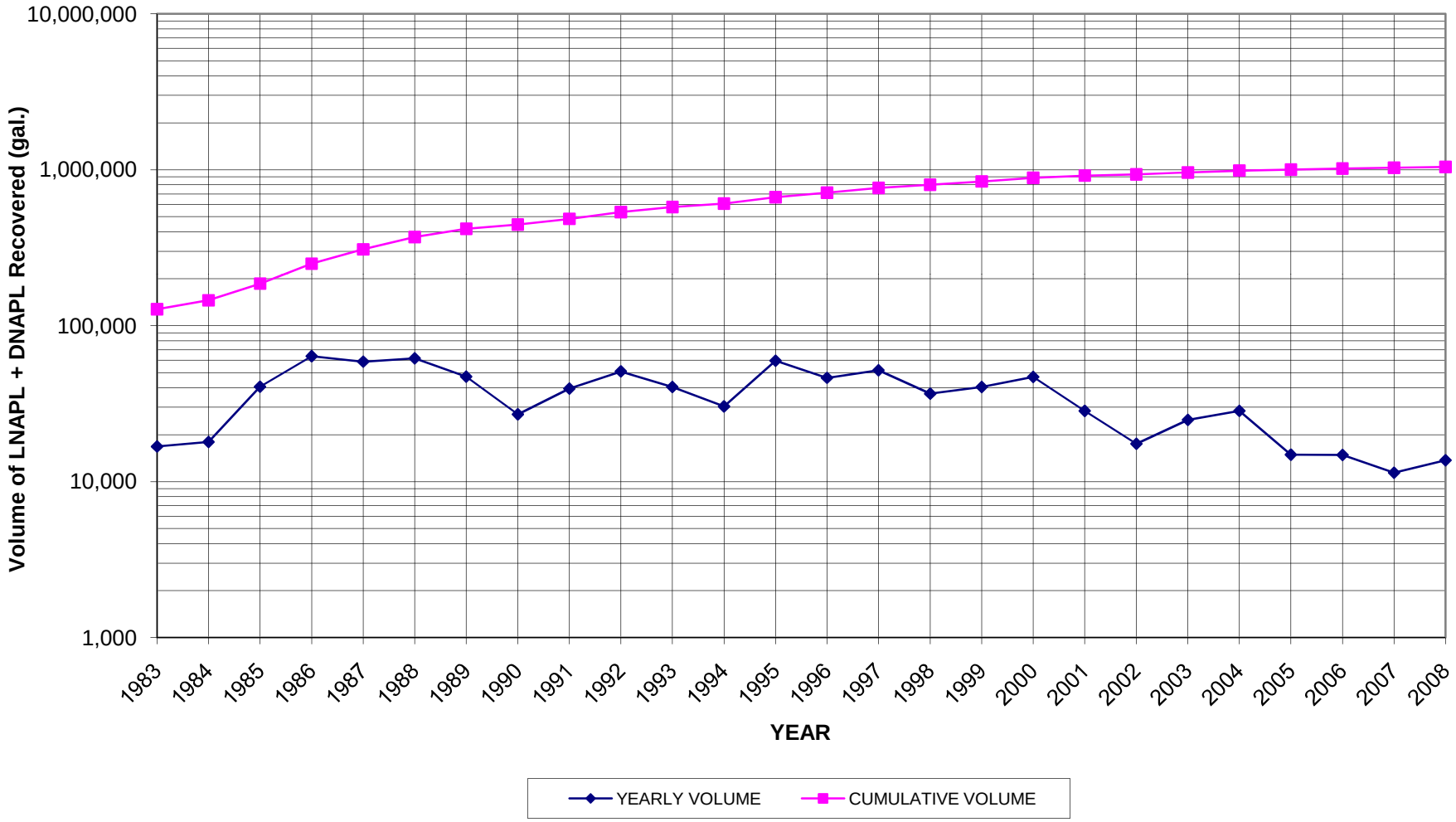
DATE	LOCATION, TYPE, AND QUANTITY OF NAPL REMOVED (Gallons)														YEARLY VOLUME	CUMULATIVE VOLUME
	EAST STREET AREA 1-NORTH AND SOUTH		EAST STREET AREA 2-SOUTH				LYMAN STREET AREA				NEWELL STREET AREA II					
	LNAPL YEARLY	LNAPL CUMULATIVE	LNAPL YEARLY TOTAL	DNAPL YEARLY TOTAL	LNAPL+DNAPL YEARLY	LNAPL+DNAPL CUMULATIVE	LNAPL YEARLY TOTAL	DNAPL YEARLY TOTAL	LNAPL+DNAPL YEARLY	LNAPL+DNAPL CUMULATIVE	LNAPL YEARLY TOTAL	DNAPL YEARLY TOTAL	LNAPL+DNAPL YEARLY	LNAPL+DNAPL CUMULATIVE		
2007	10.7	1,809.8	9,527	376	9,903	982,507	50	6	56	3,541	1.0	1,425	1,426	39,559	11,396	1,027,412
2008	0.6	1,810.4	12,879	370	13,249	995,756	35	4	39	3,581	0.2	412	412	39,972	13,701	1,041,113
GMA 1 TOTAL	**1,810.4**	**1,810.4**	**990,112**	**5,644**	**995,756**	**995,756**	**2,796**	**784**	**3,581**	**3,581**	**14.8**	**39,957**	**39,972**	**39,972**	**1,041,113**	**1,041,113**

Notes

1. The data contained on this table represent current NAPL recovery totals based on the results of an inspection of readily available data.
2. ---: NAPL recovery data not available.
3. Data from 1975 to 1982 represents approximate recovery volume, based on shipping records.
4. Data from 1980 to 1989 represents total oil recovery reported for this period.

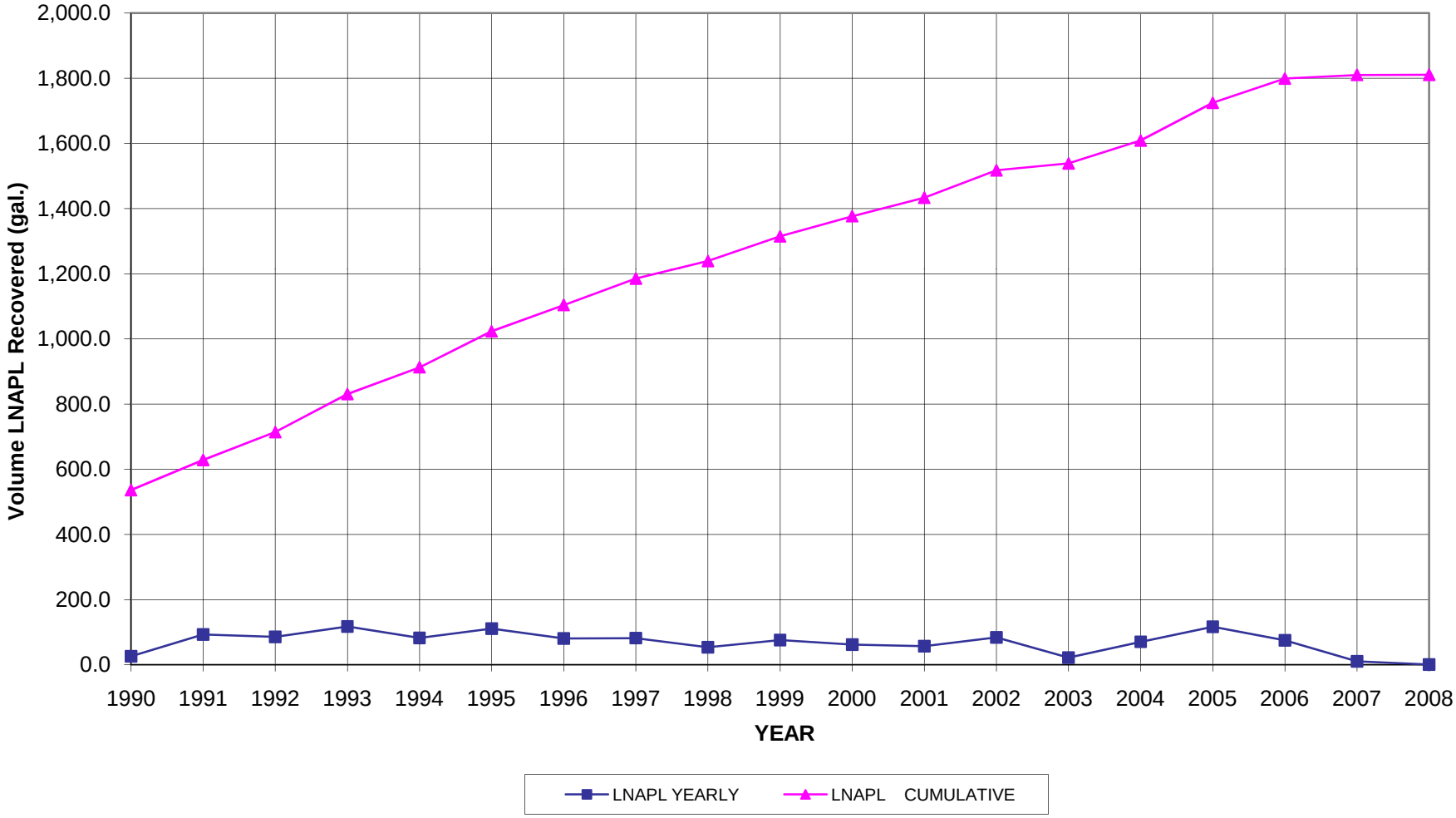
Appendix B
Cumulative NAPL Recovery Data For Plant Site 1

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



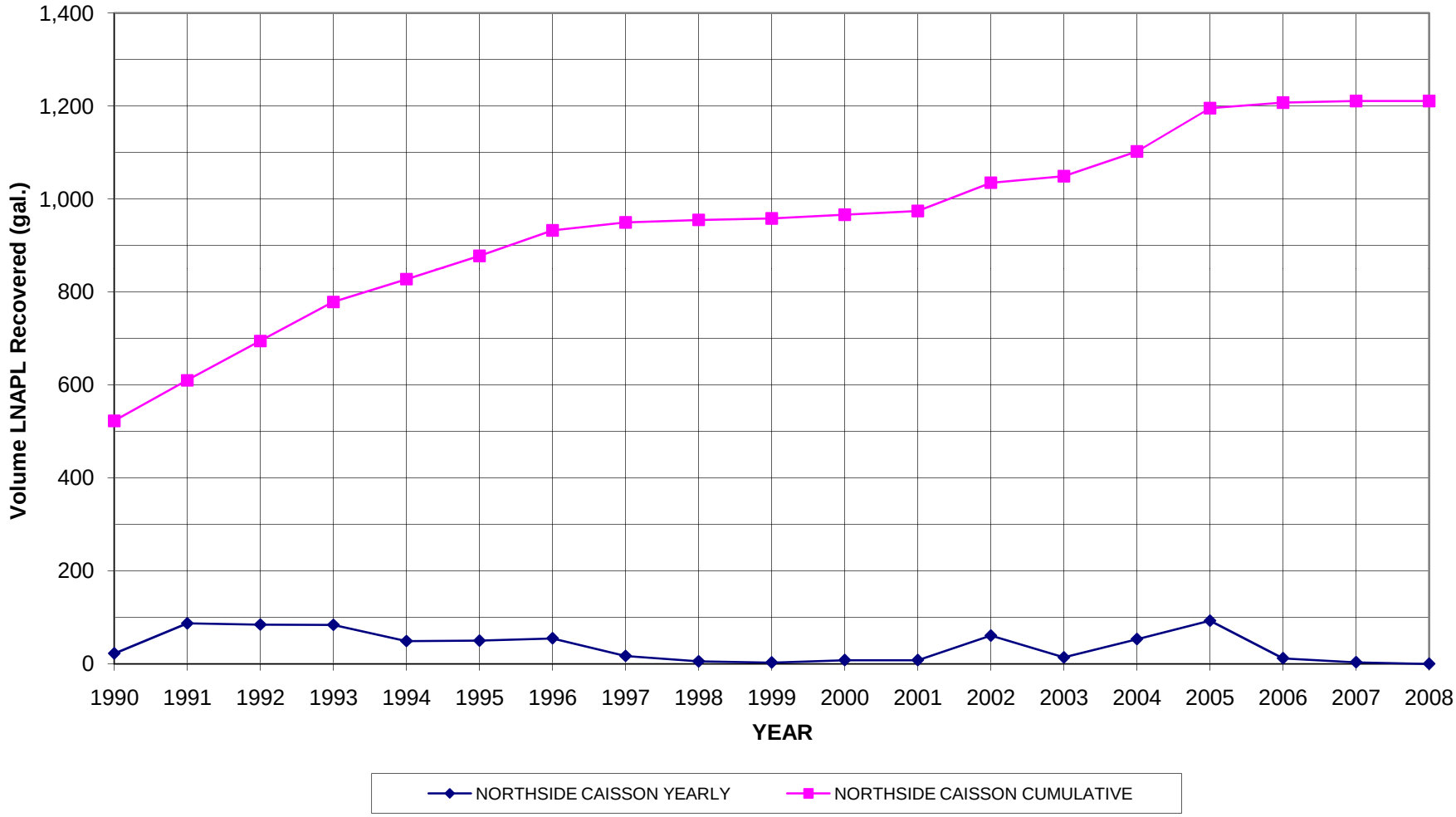
Appendix B
Cumulative LNAPL Recovery DATA For East Street Area 1 North and South

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



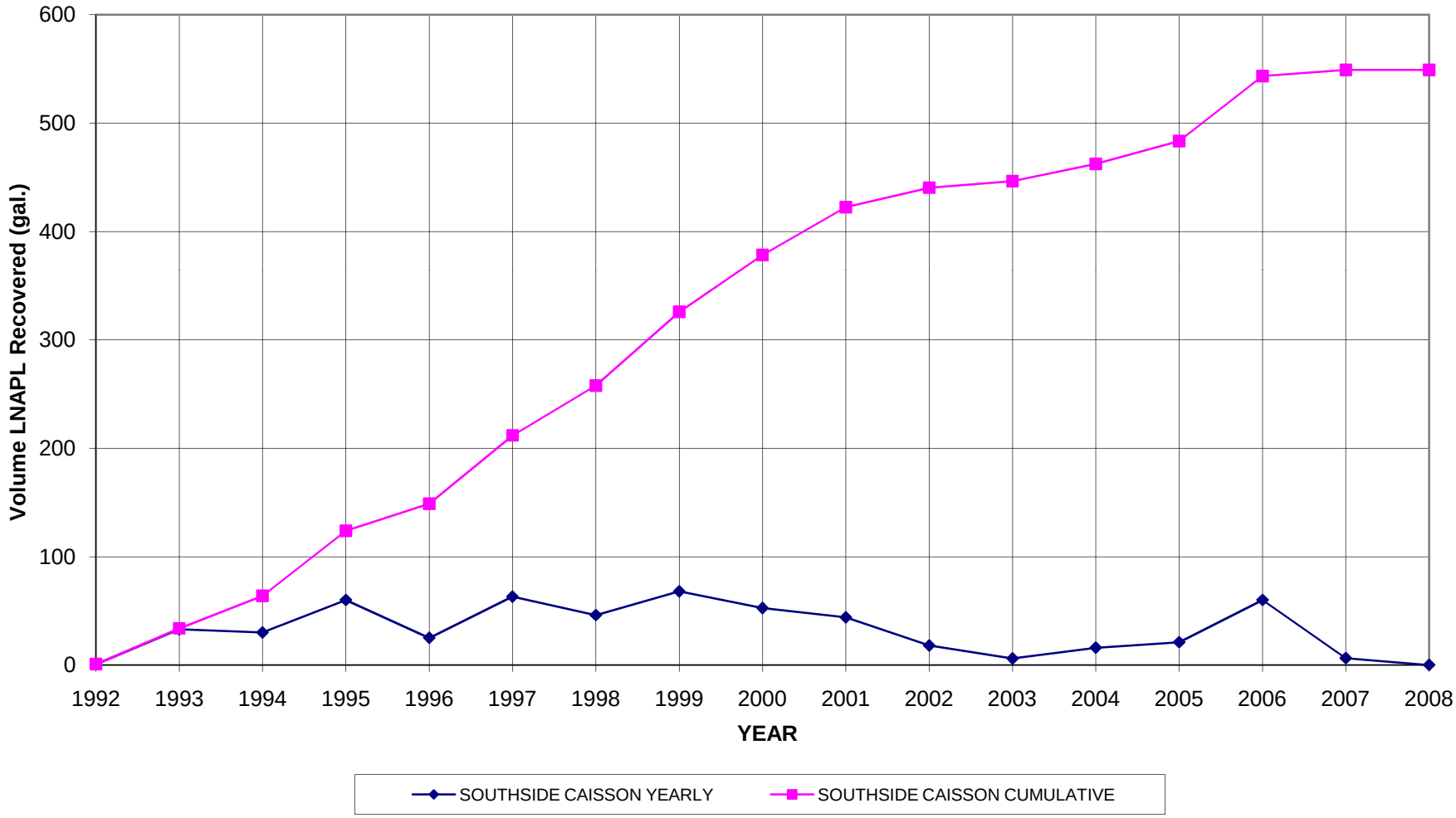
Appendix B
Cumulative LNAPL Recovery Data For East Street Area 1-North - Northside Caisson

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



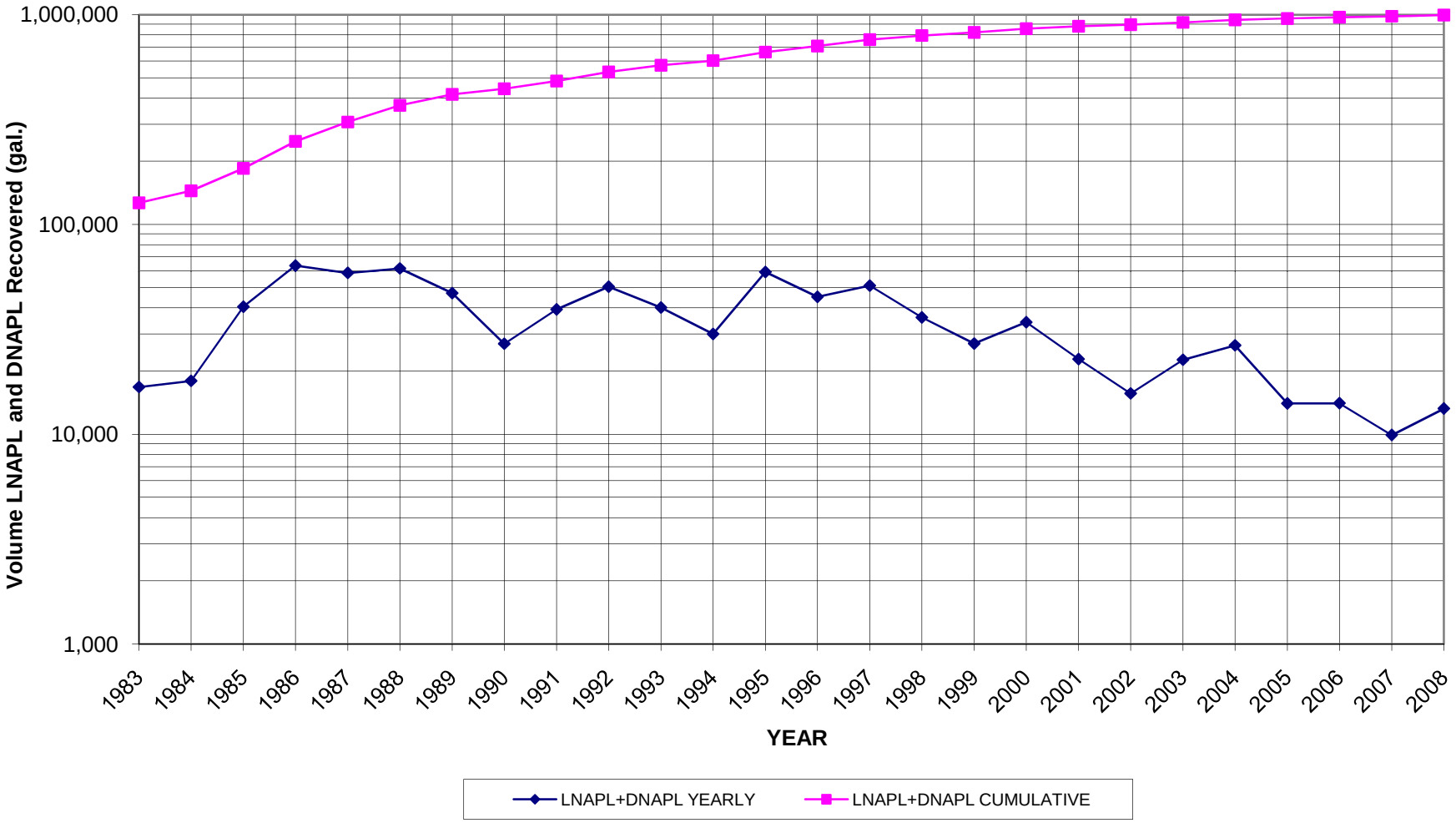
APPENDIX B
Cumulative LNAPL Recovery Data For East Street Area 1-South - Southside Caisson

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



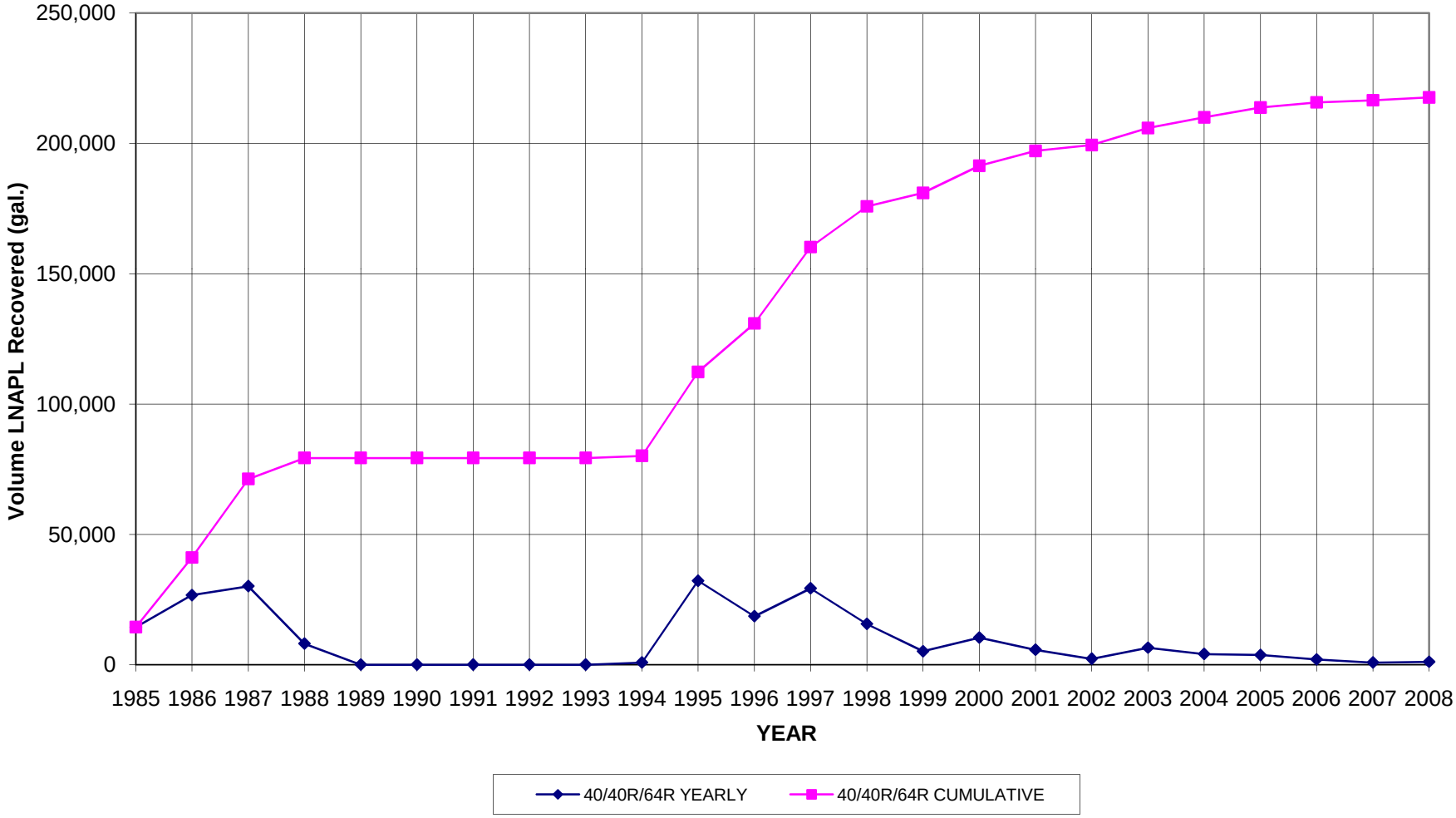
Appendix B
Cumulative NAPL Recovery Data For East Street Area 2 North and South

PPlant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



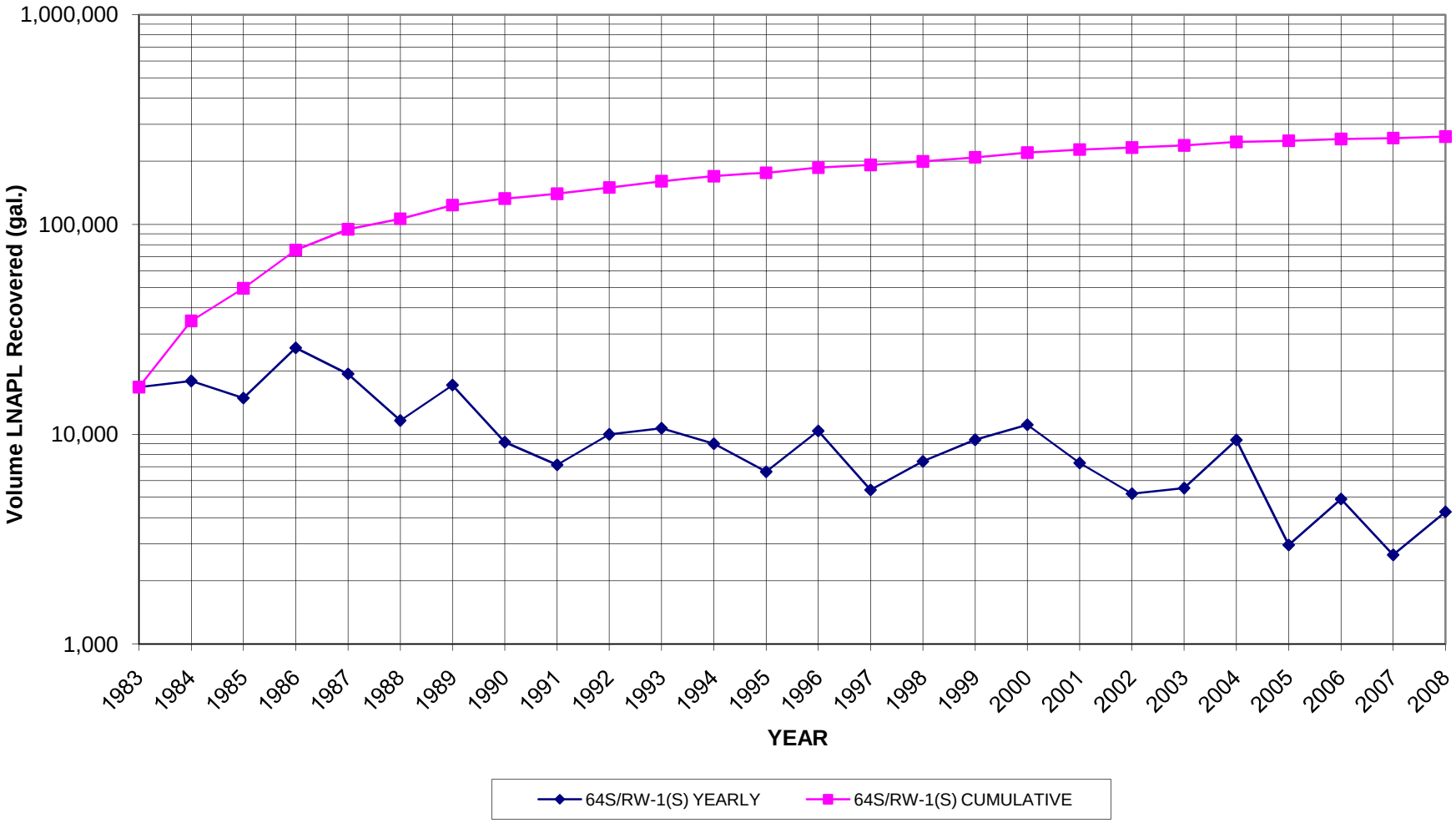
Appendix B
Cumulative LNAPL Recovery Data For East Street Area 2-South - 40/40R/64R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



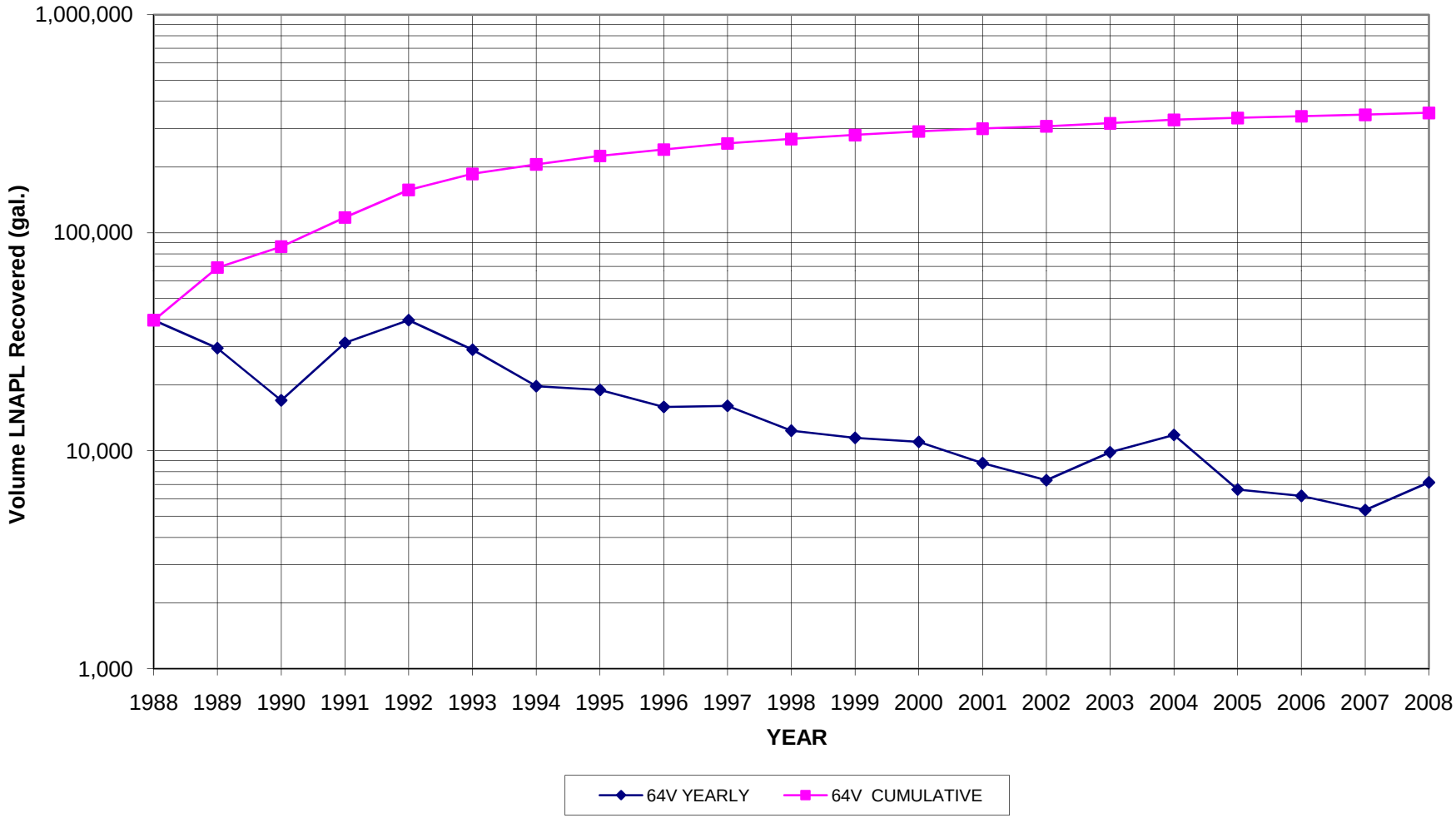
Appendix B
Cumulative LNAPL Recovery Data For East Street Area 2-South - 64S/RW-1(S)

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



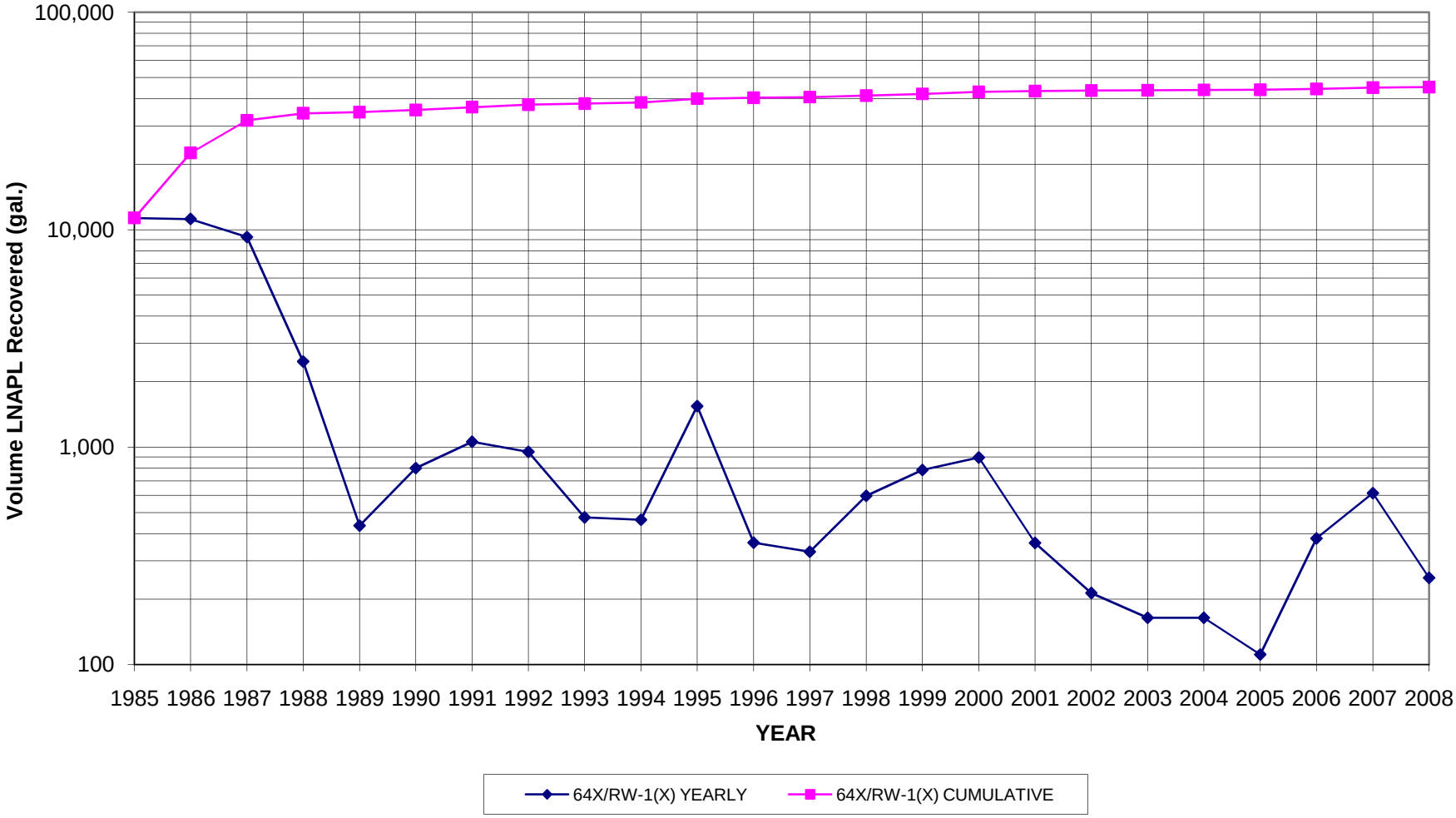
Appendix B
Cumulative LNAPL Recovery Data For East Street Area 2-South - 64V

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



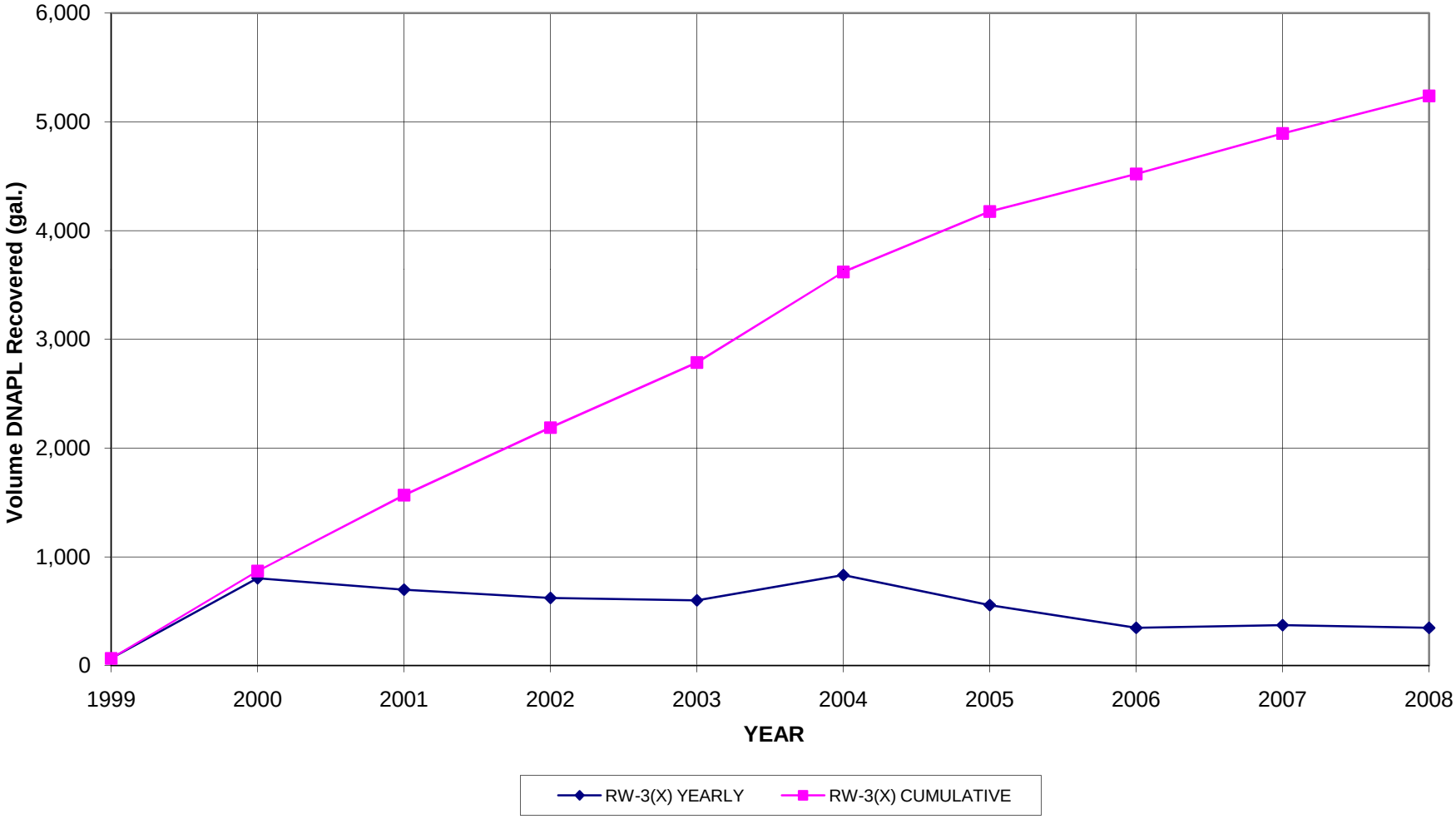
Appendix B
Cumulative LNAPL Recovery Data For East Street Area 2-South - 64X/RW-1(X)

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



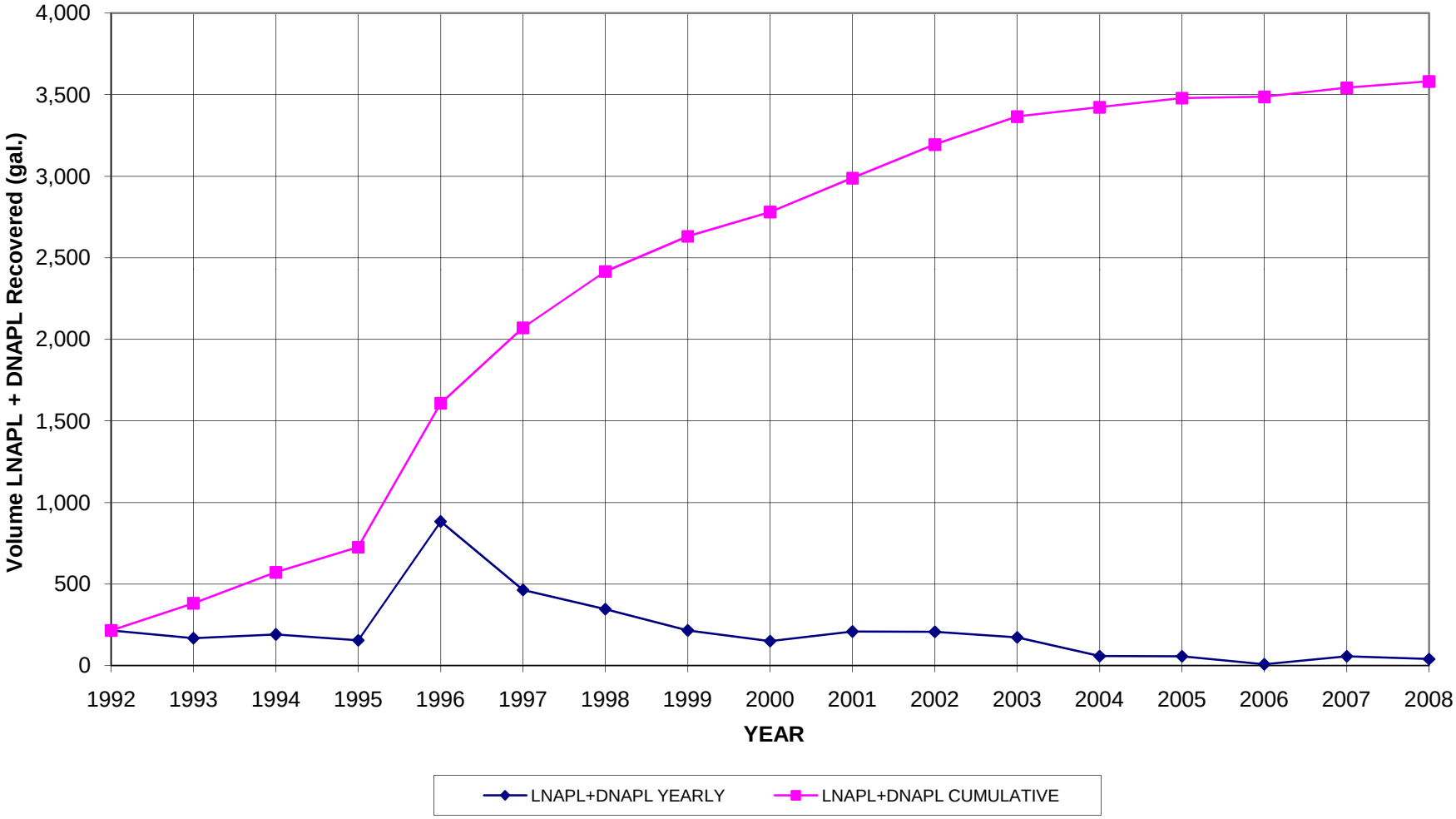
Appendix B
Cumulative DNAPL Recovery Data For East Street Area 2-South - RW-3(X)

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



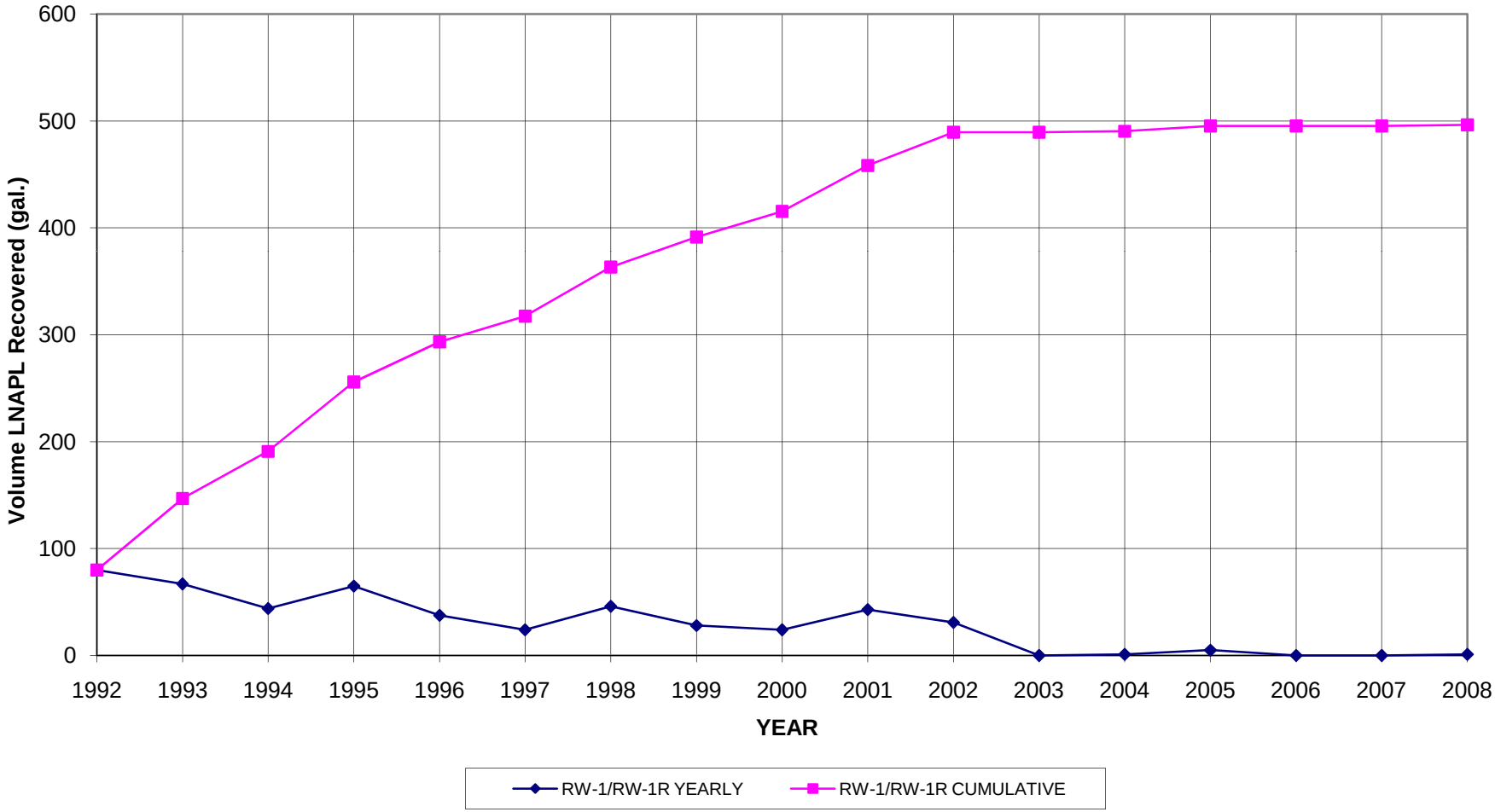
Appendix B
Cumulative NAPL Recovery Data For Lyman Street Area

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



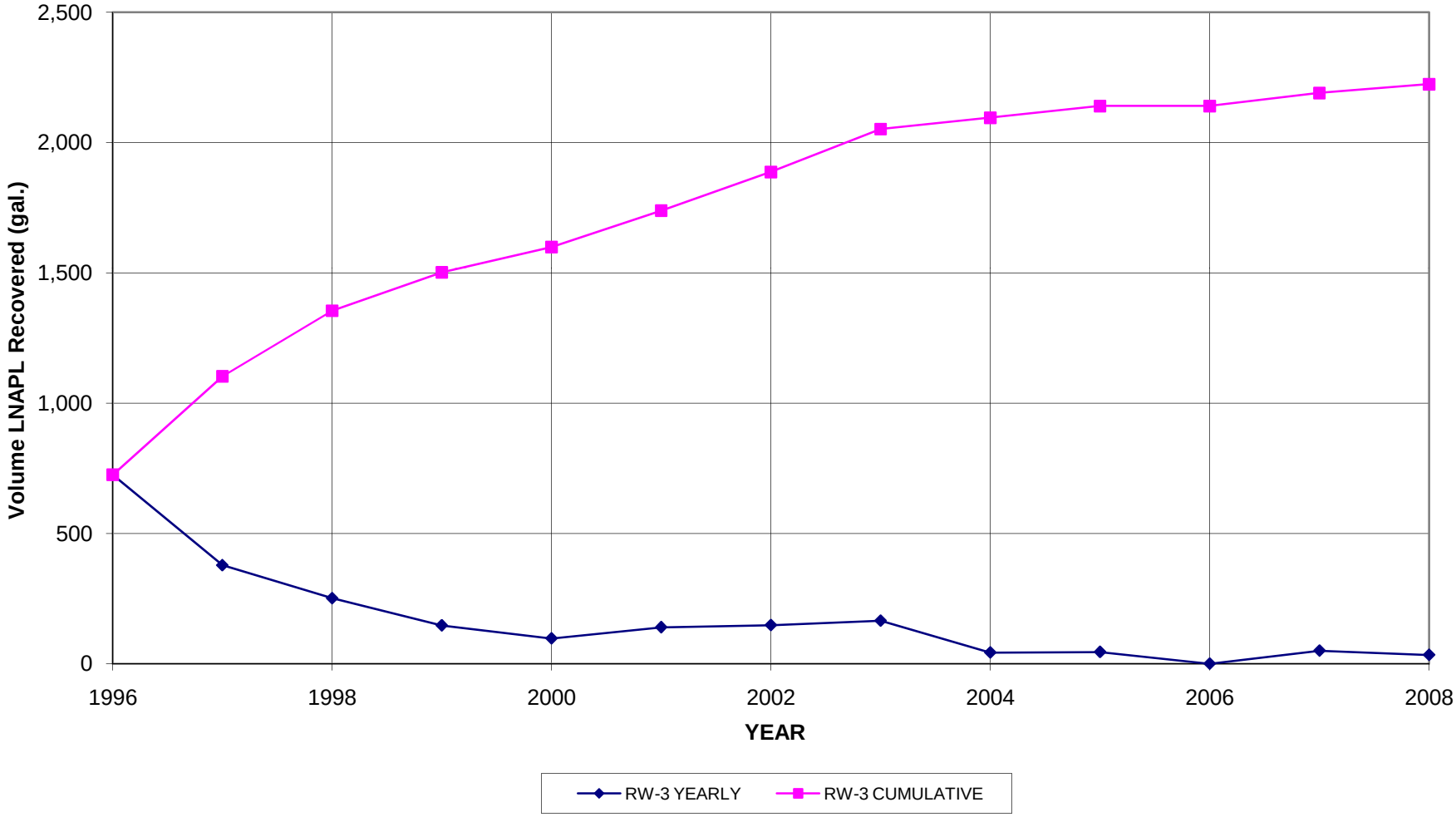
Appendix B
Cumulative LNAPL Recovery Data For Lyman Street - RW-1/RW-1R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



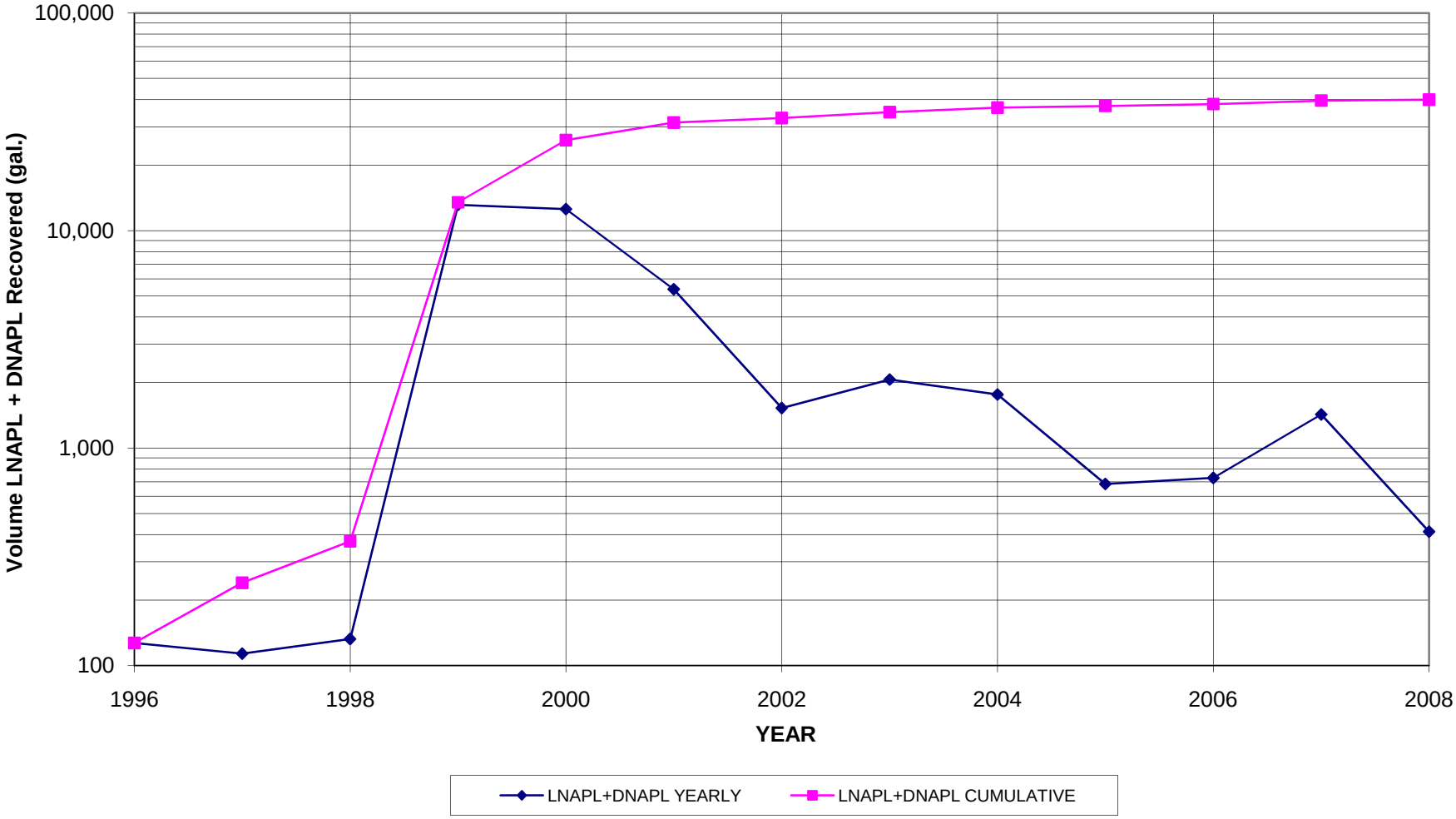
Appendix B
Cumulative LNAPL Recovery Data For Lyman Street - RW-3

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



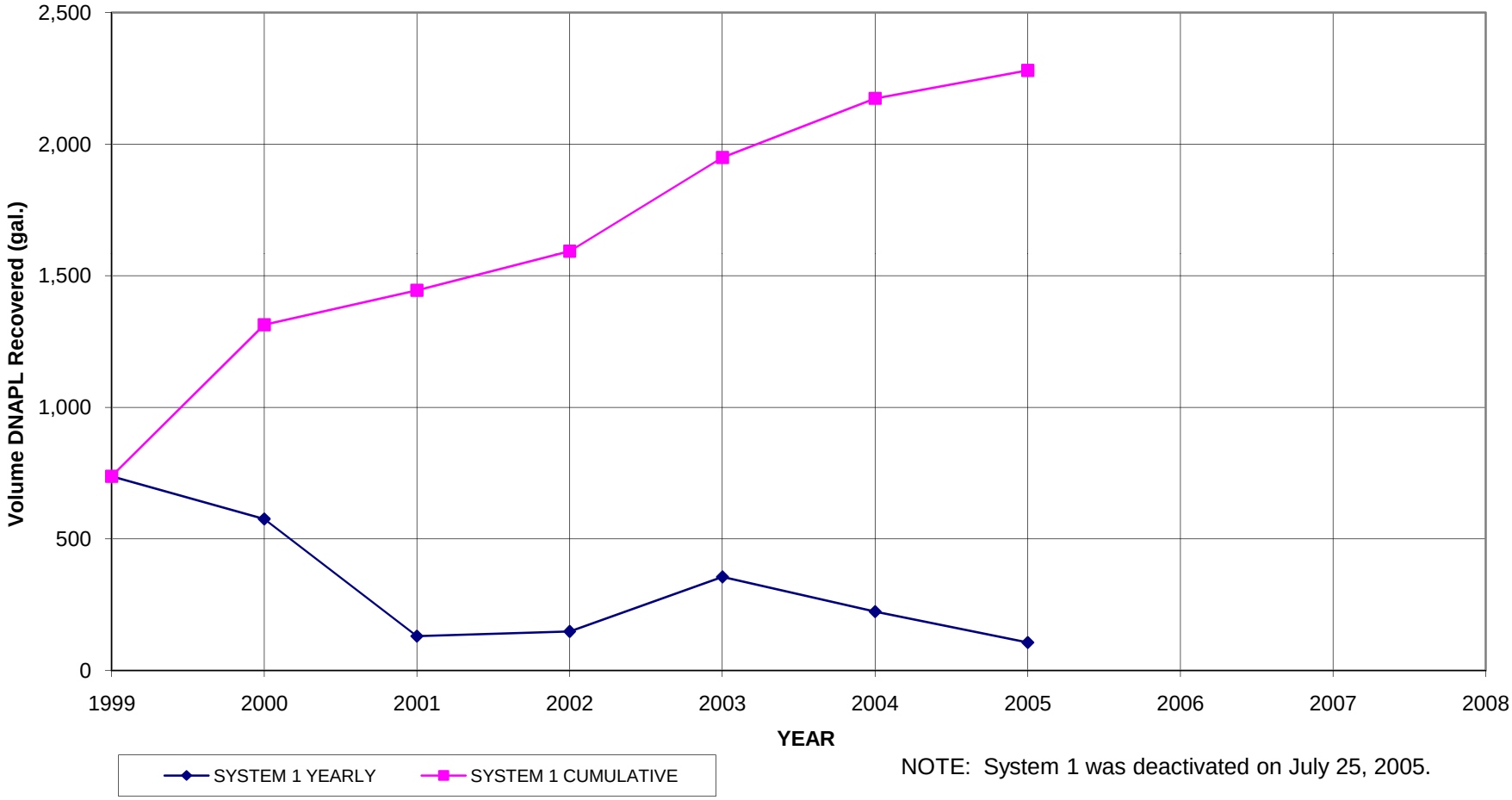
Appendix B
Cumulative NAPL Recovery Data For Newell Street Area 2

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix B
Cumulative DNAPL Recovery Data For Newell Street Area II - System 1

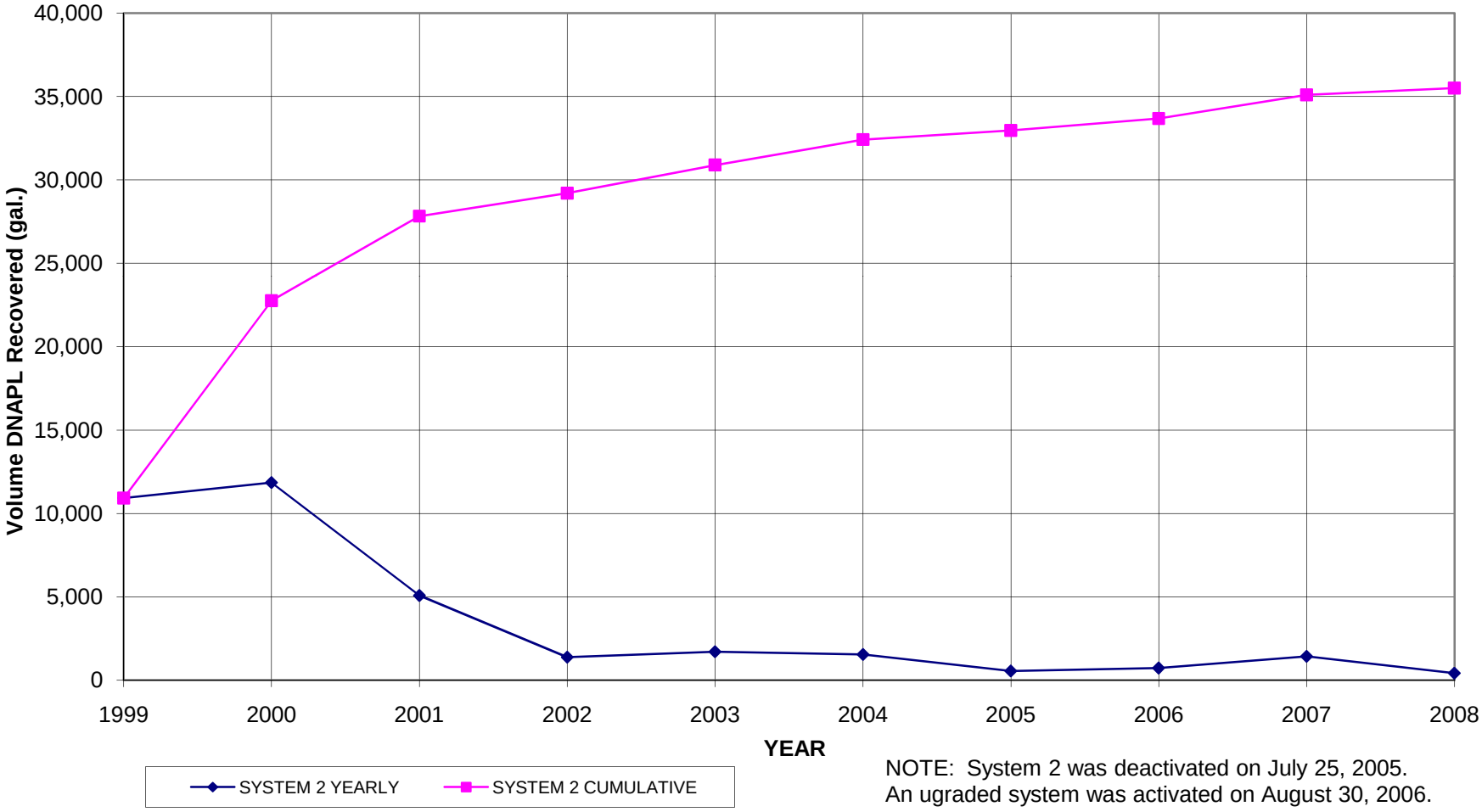
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



NOTE: System 1 was deactivated on July 25, 2005.

Appendix B
Cummulative DNAPL Recovery Data For Newell Street Area II - System 2

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



NOTE: System 2 was deactivated on July 25, 2005.
An ugraded system was activated on August 30, 2006.

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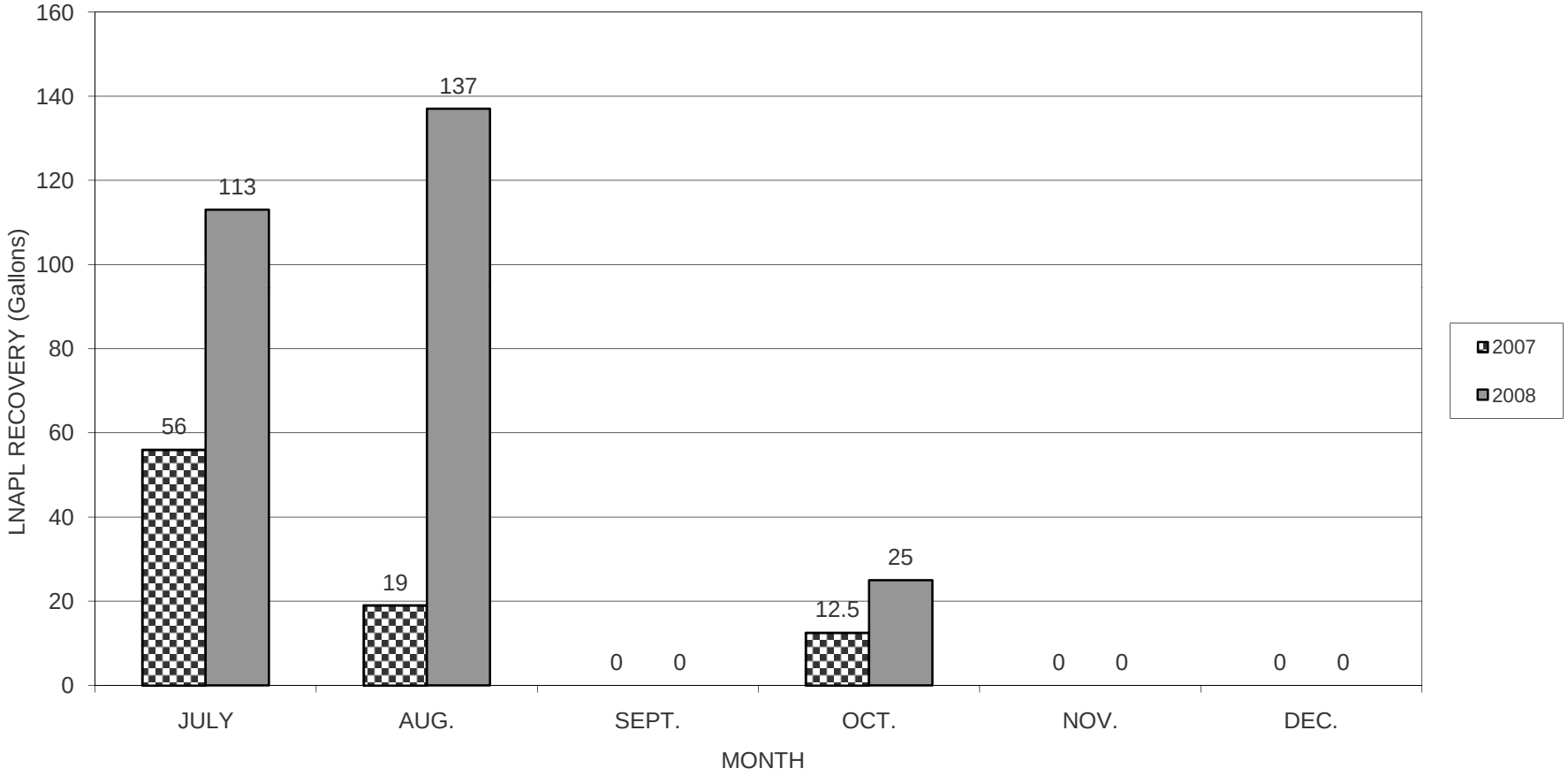
Appendix C

Summary of Automated LNAPL Recovery

Appendix C
LNAPL Recovery Data For East Street Area 2 - South System 64R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



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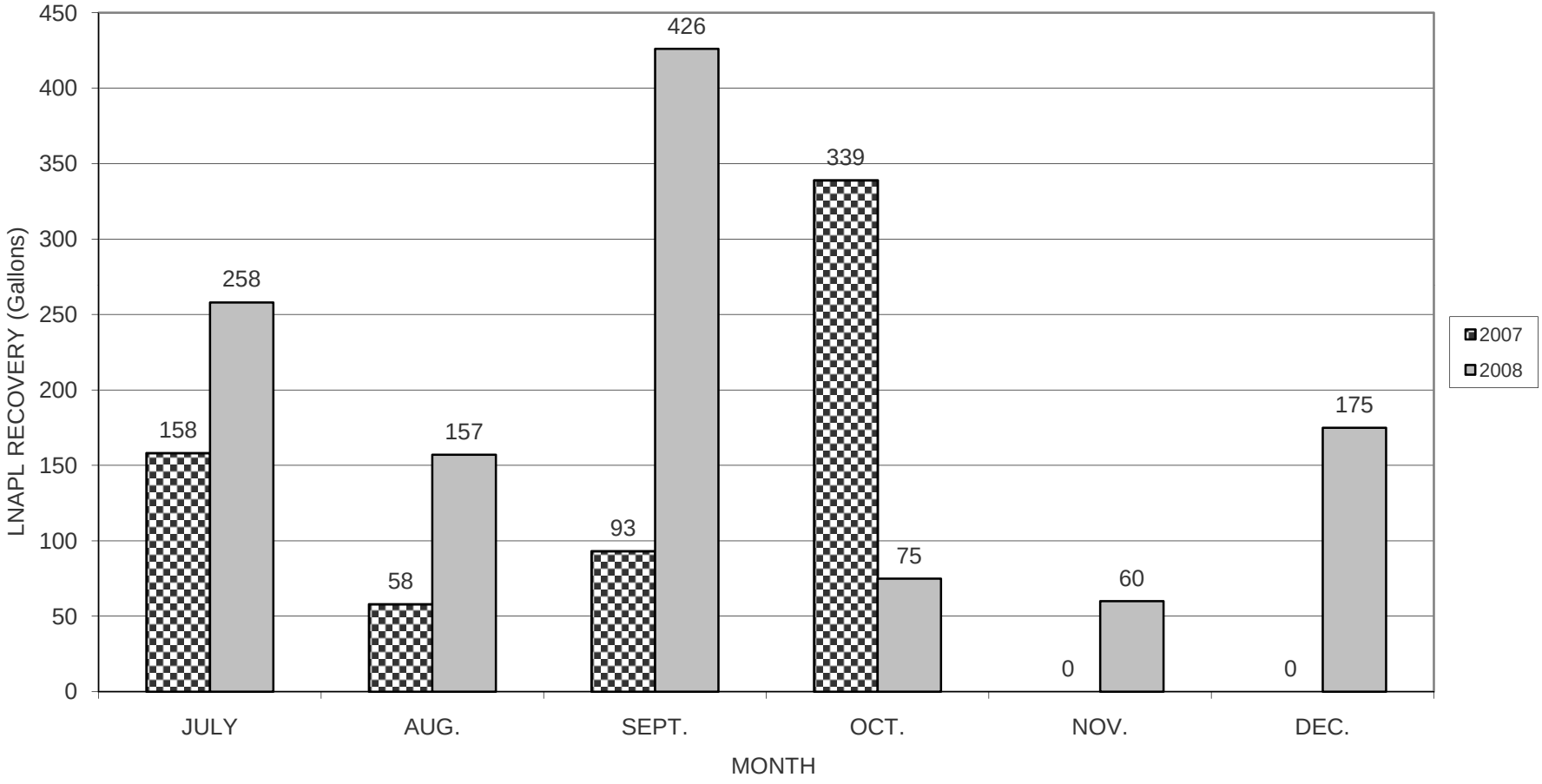
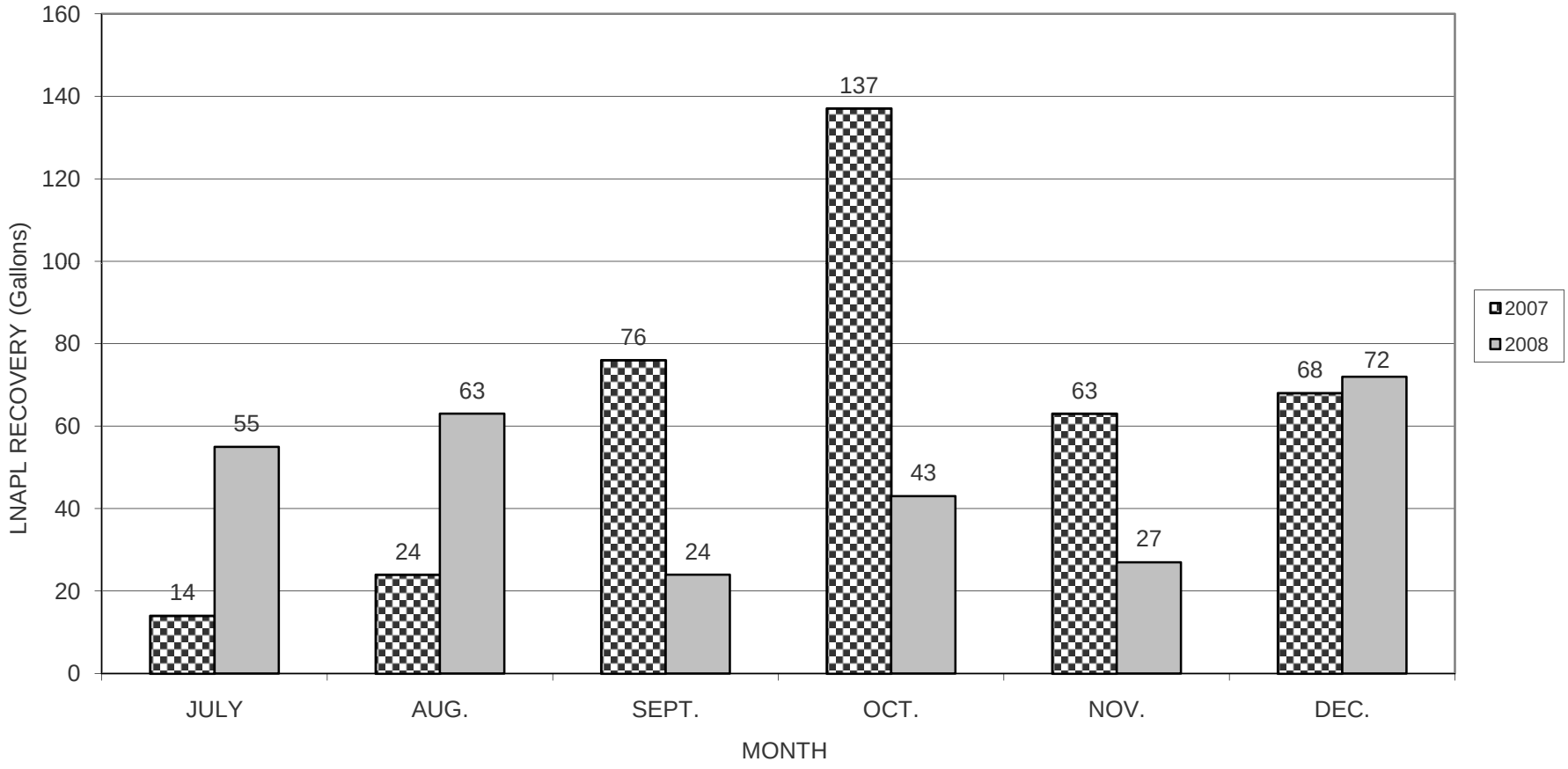
Appendix C
LNAPL Recovery Data For East Street Area 2 - South System 64S

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



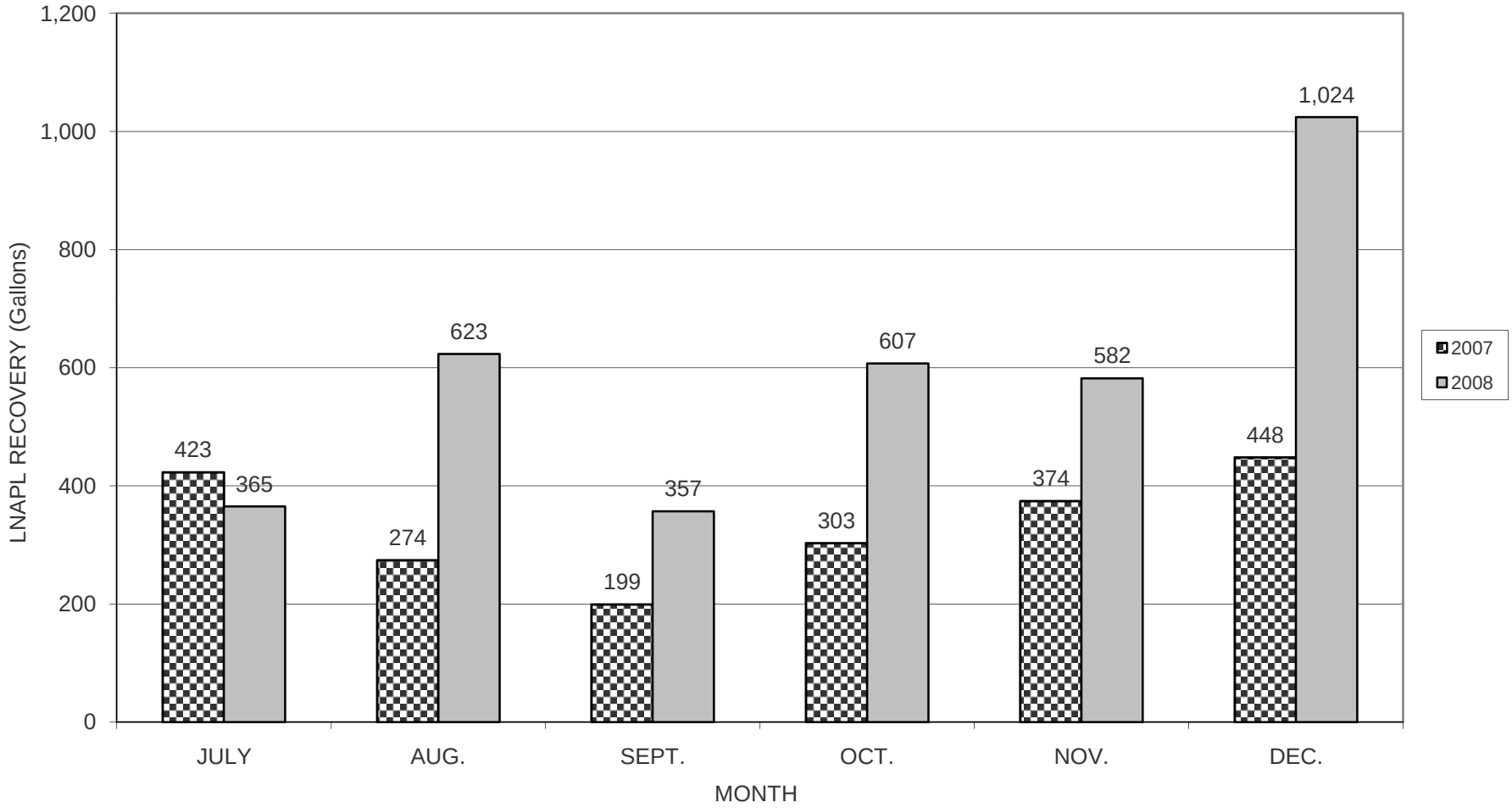
Appendix C
LNAPL Recovery Data For East Street Area 2 - South System
RW-1 (S)

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix C
LNAPL Recovery Data For East Street Area 2 - South System 64V

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



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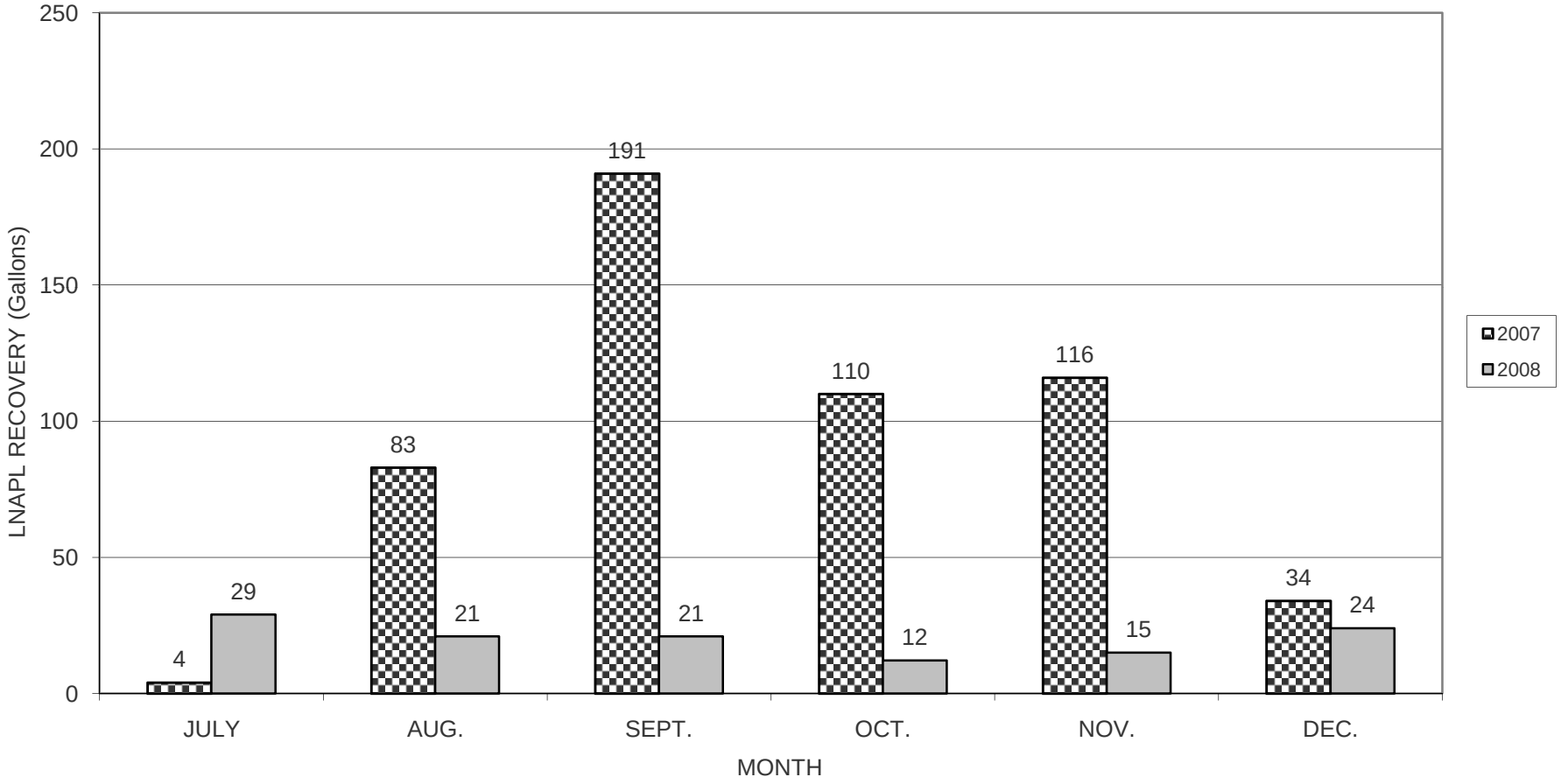
Appendix C
LNAPL Recovery Data For East Street Area 2 - South System 64X

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



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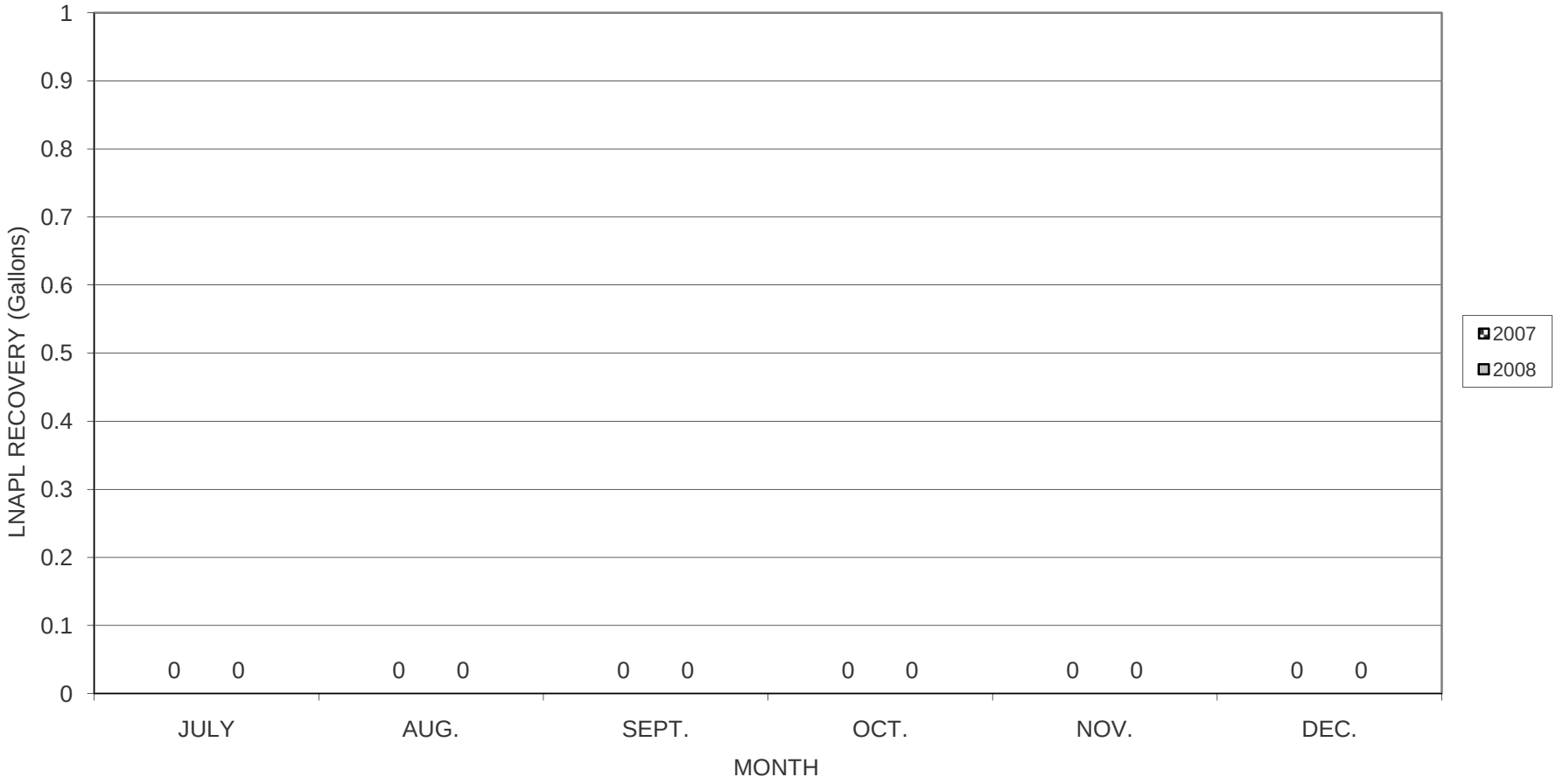
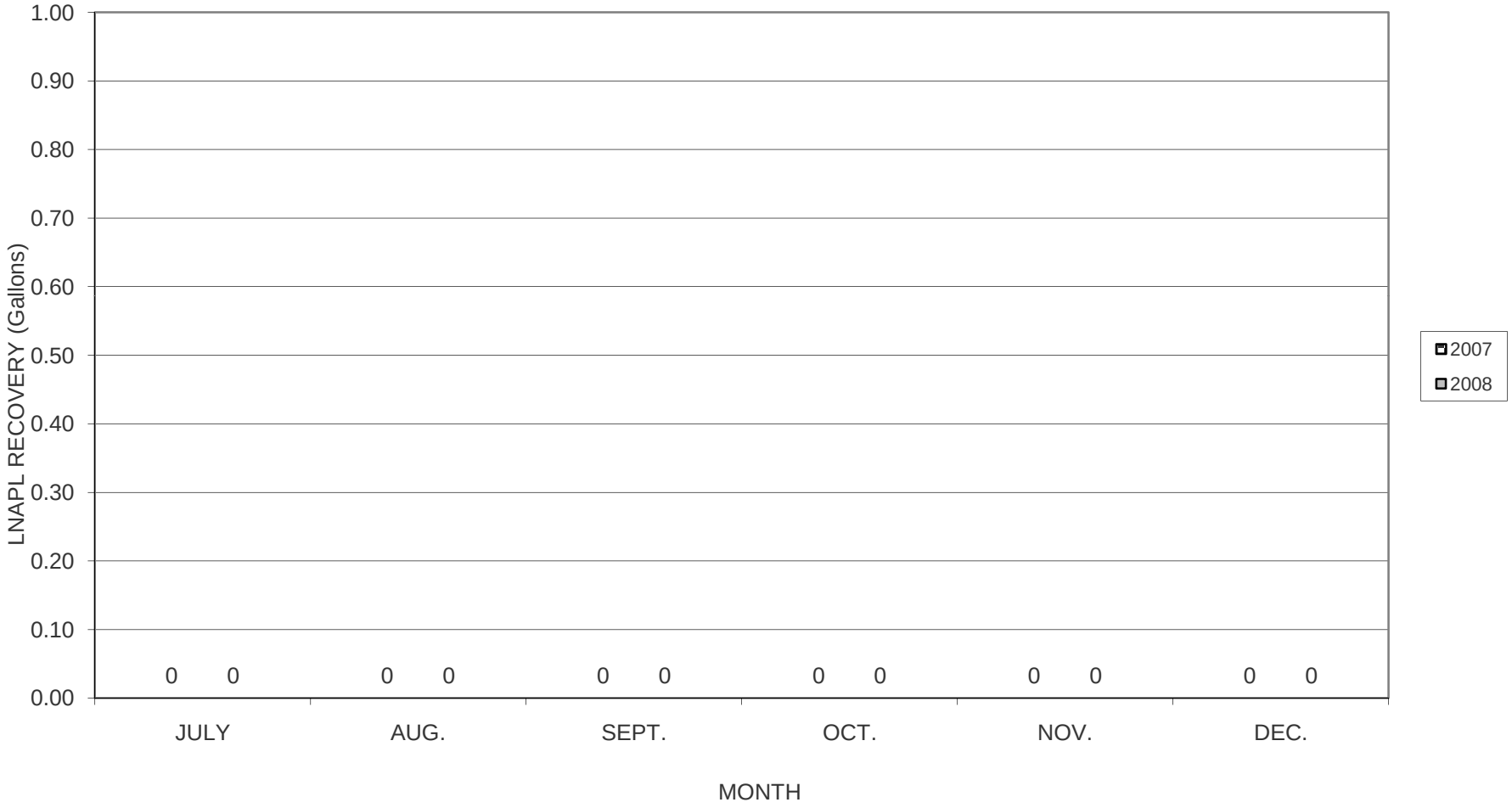
Appendix C
LNAPL Recovery Data For East Street Area 2 - South System RW-1 (X)

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



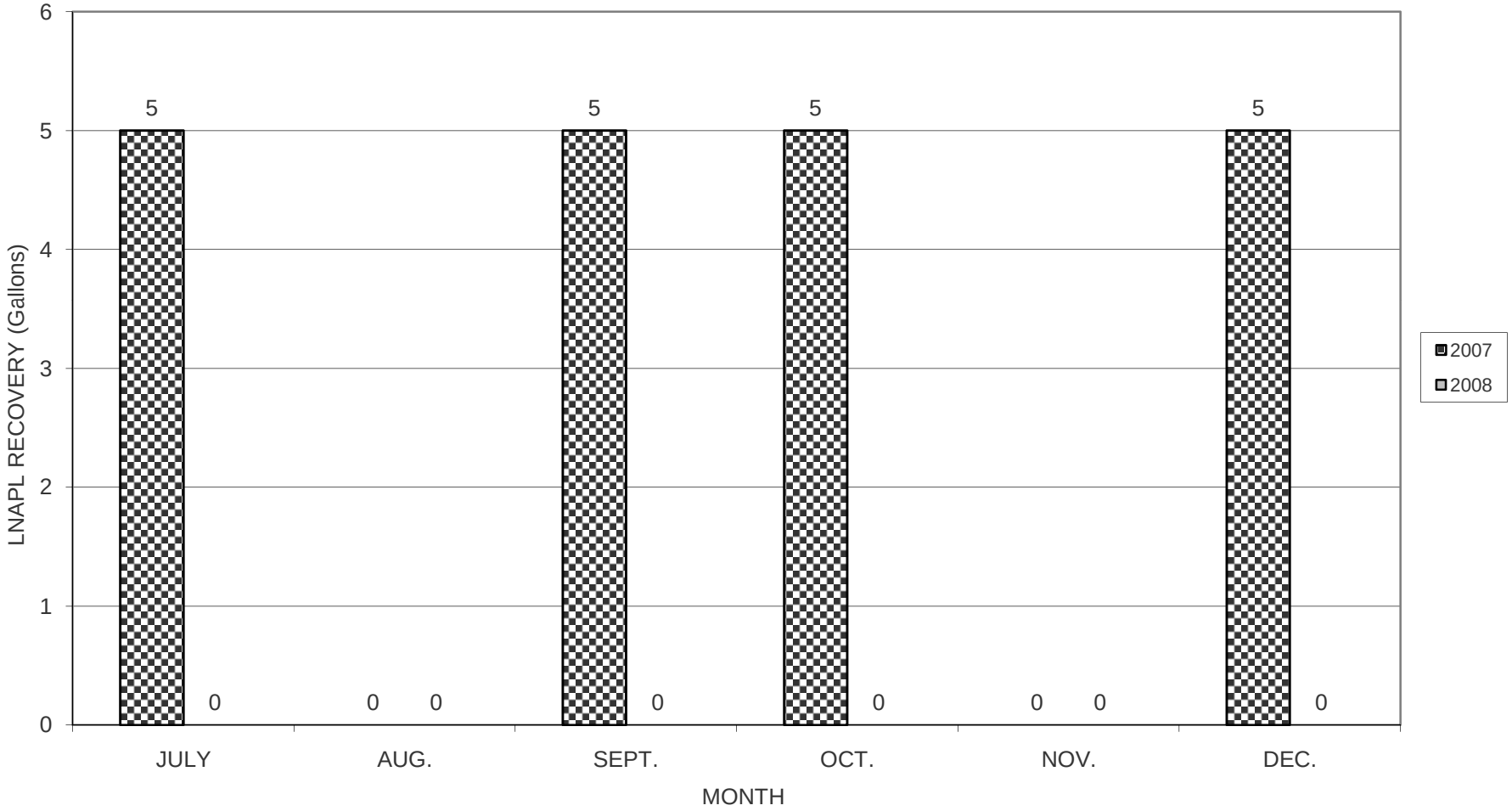
Appendix C
LNAPL Recovery Data For Lyman Street Area System RW-1R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix C
LNAPL Recovery Data For Lyman Street Area Systen RW-3

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



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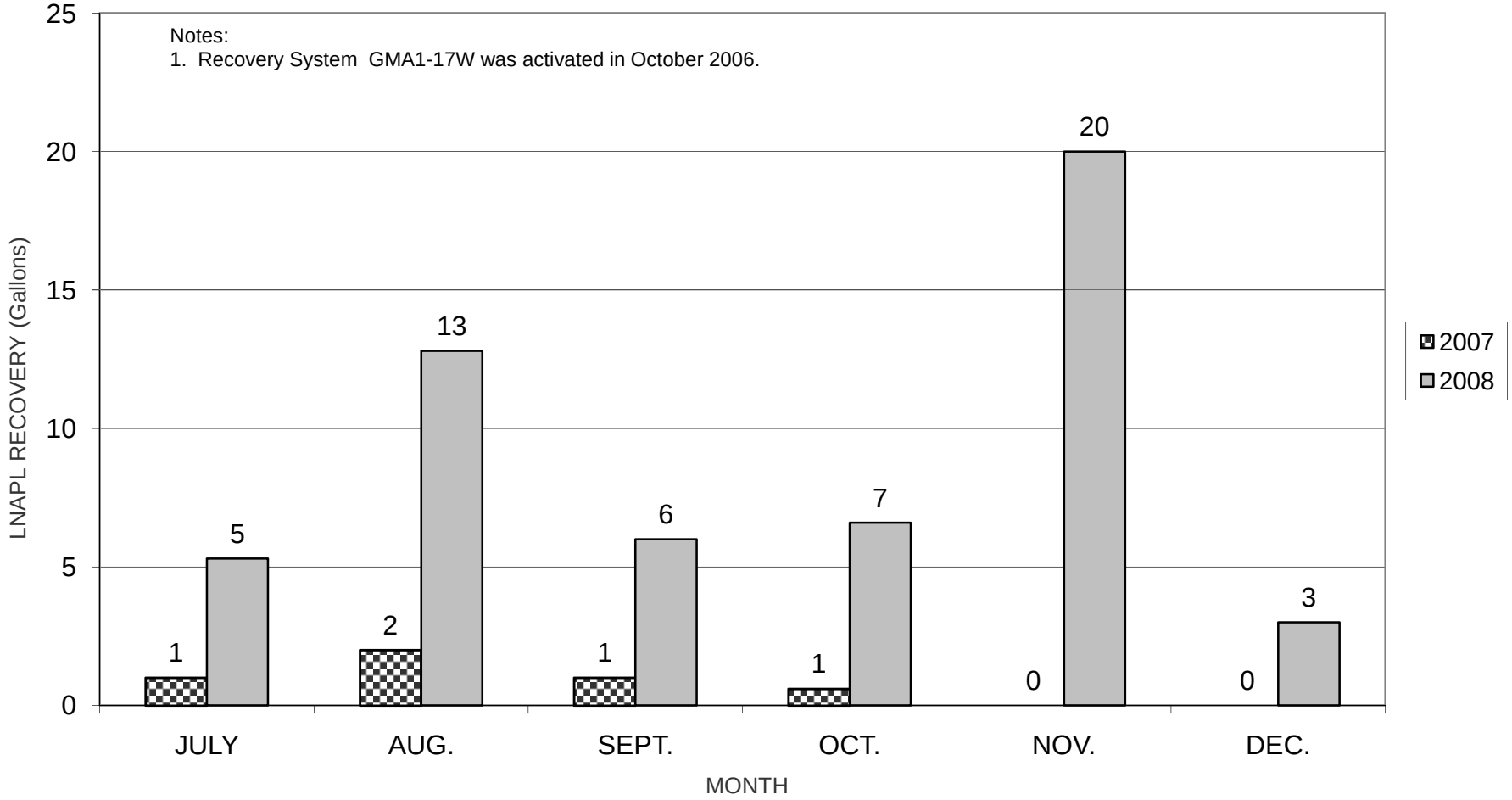
Appendix C
LNAPL Recovery Data For East Street Area 2 - South System GMA1-17W

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



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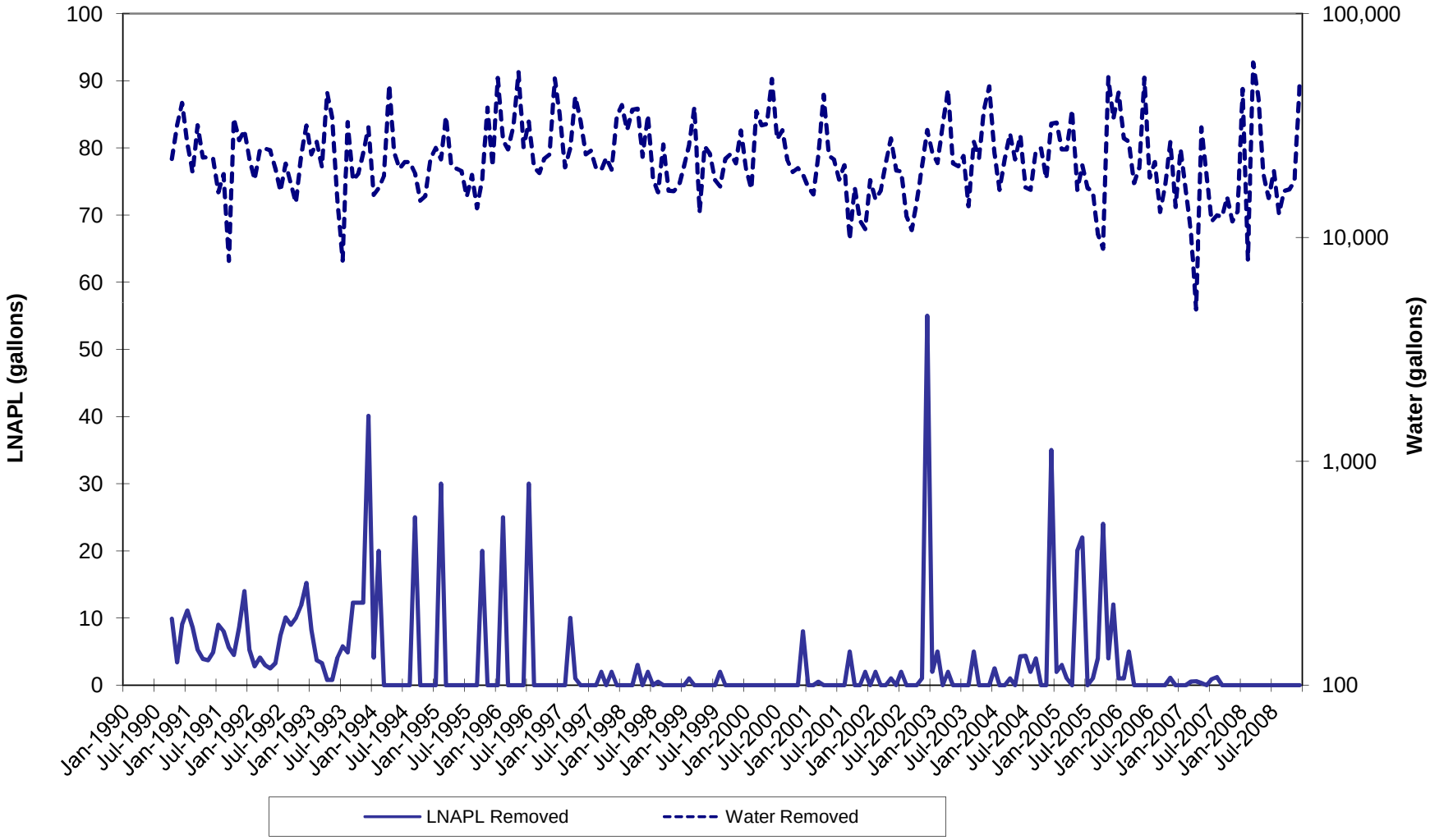
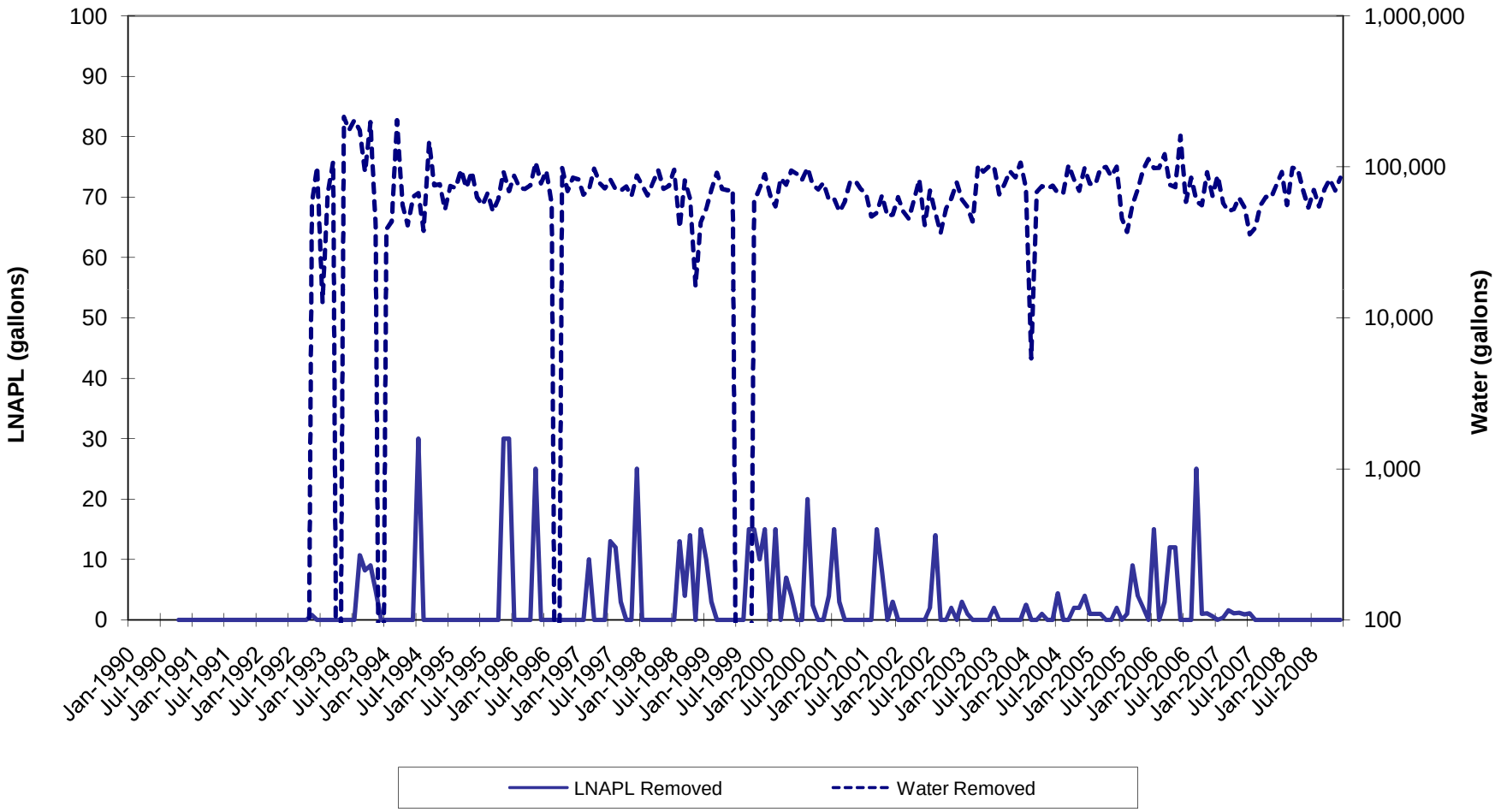
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 1 North - Northside Caisson

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix C
Automated LNAPL Recovery System Summary For East Street Area 1 South - Southside Caisson

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



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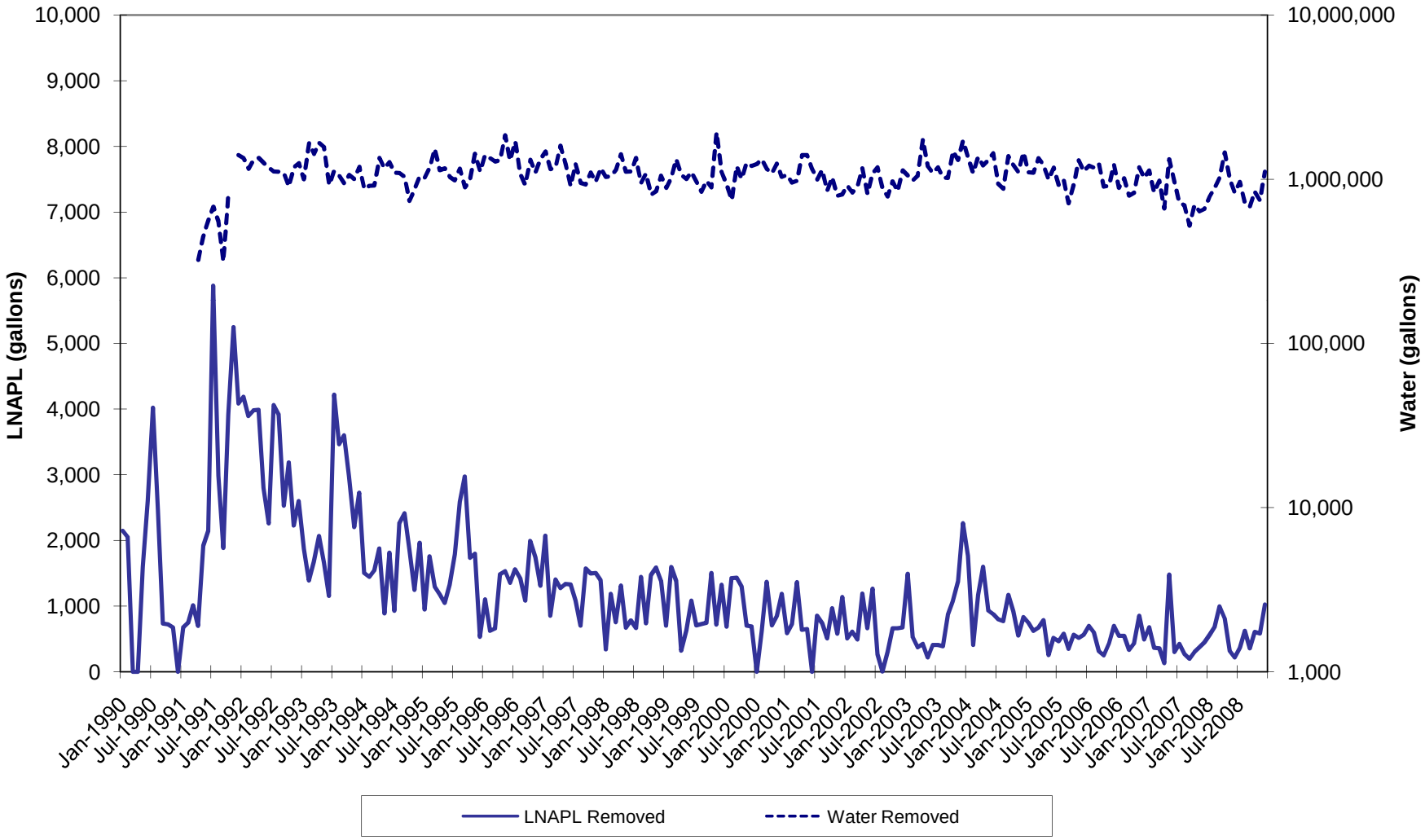
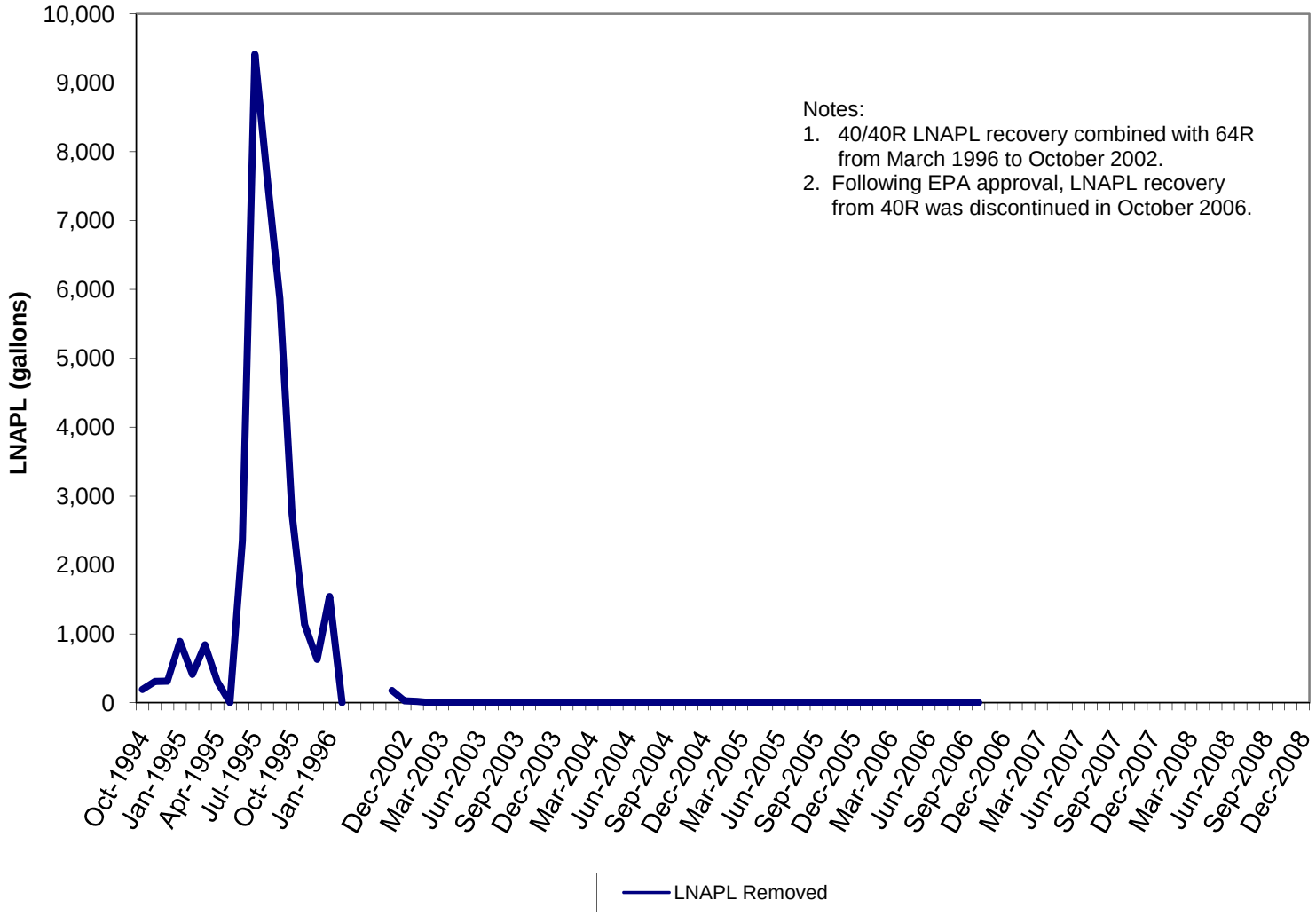
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - 64V

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



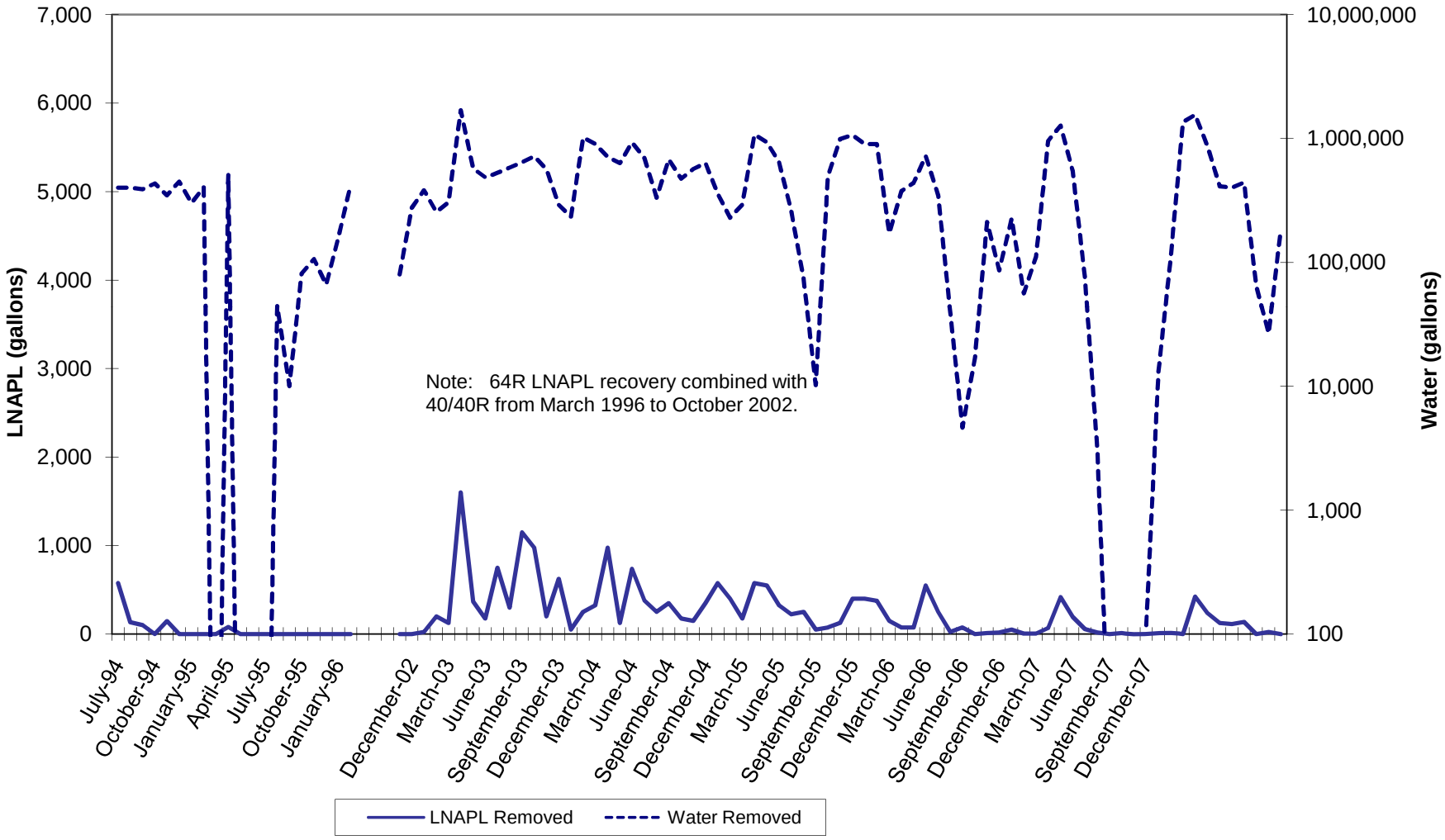
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - 40/40R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



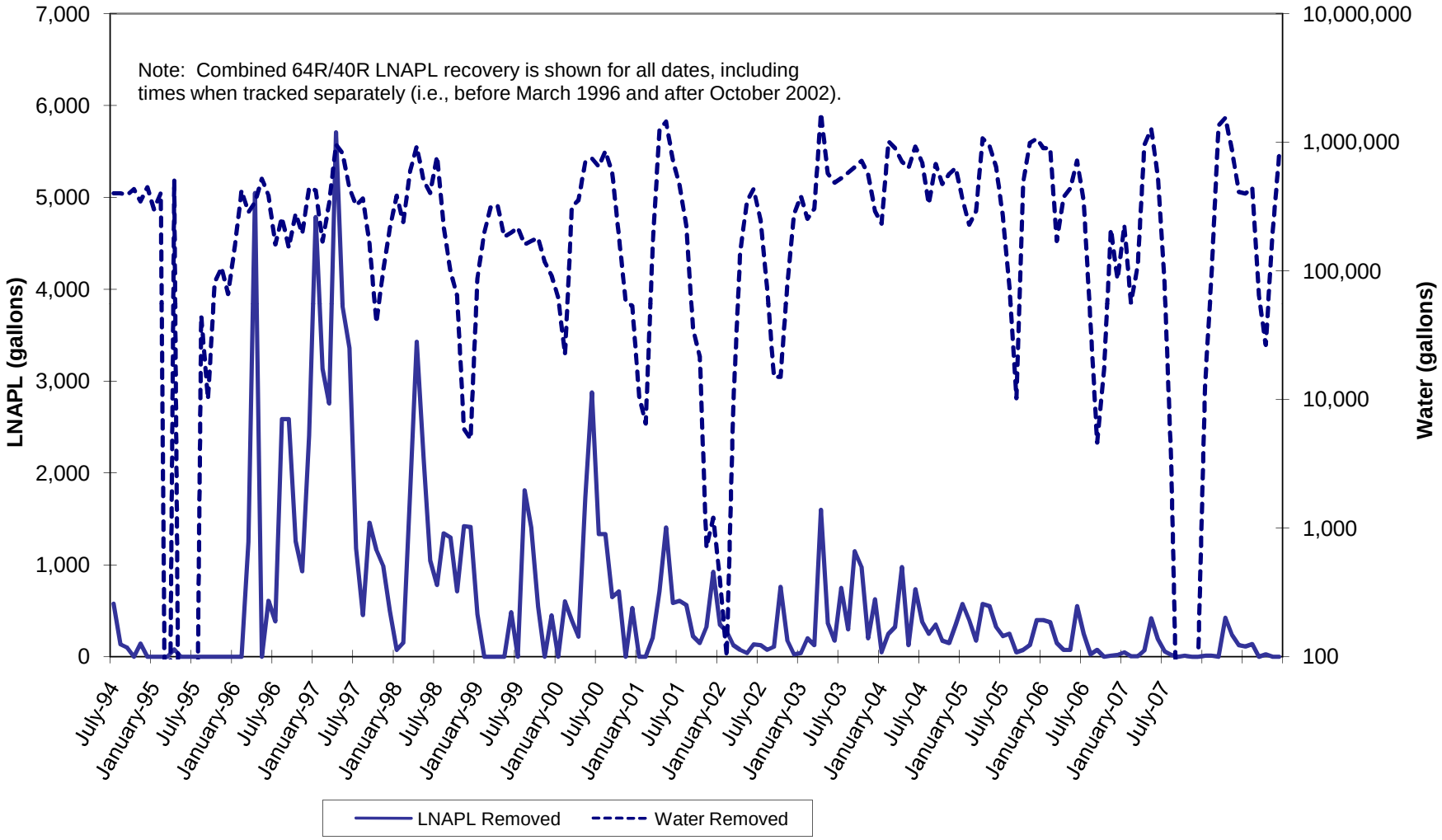
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - 64R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



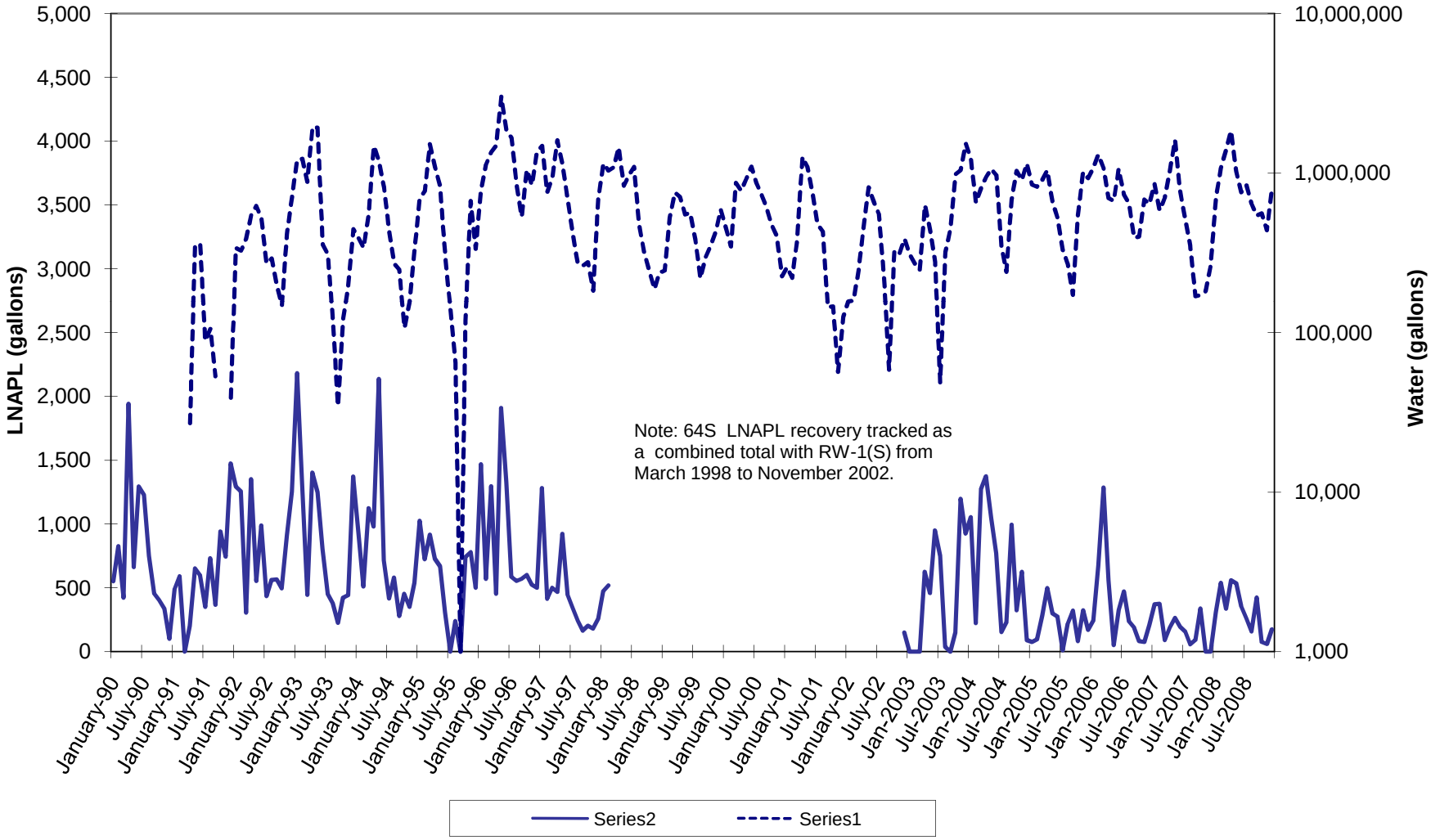
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - 64R/40R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



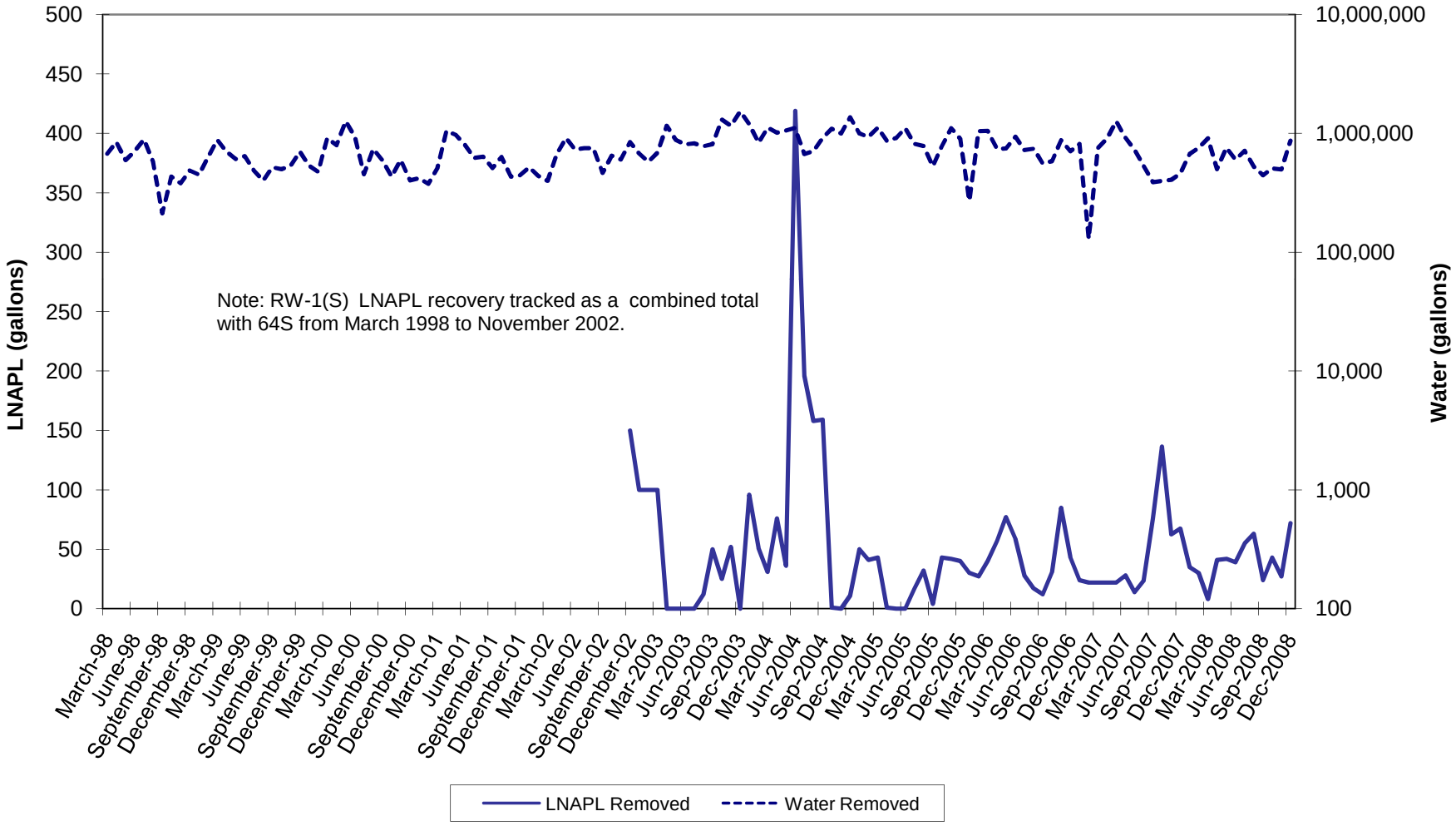
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - 64S

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



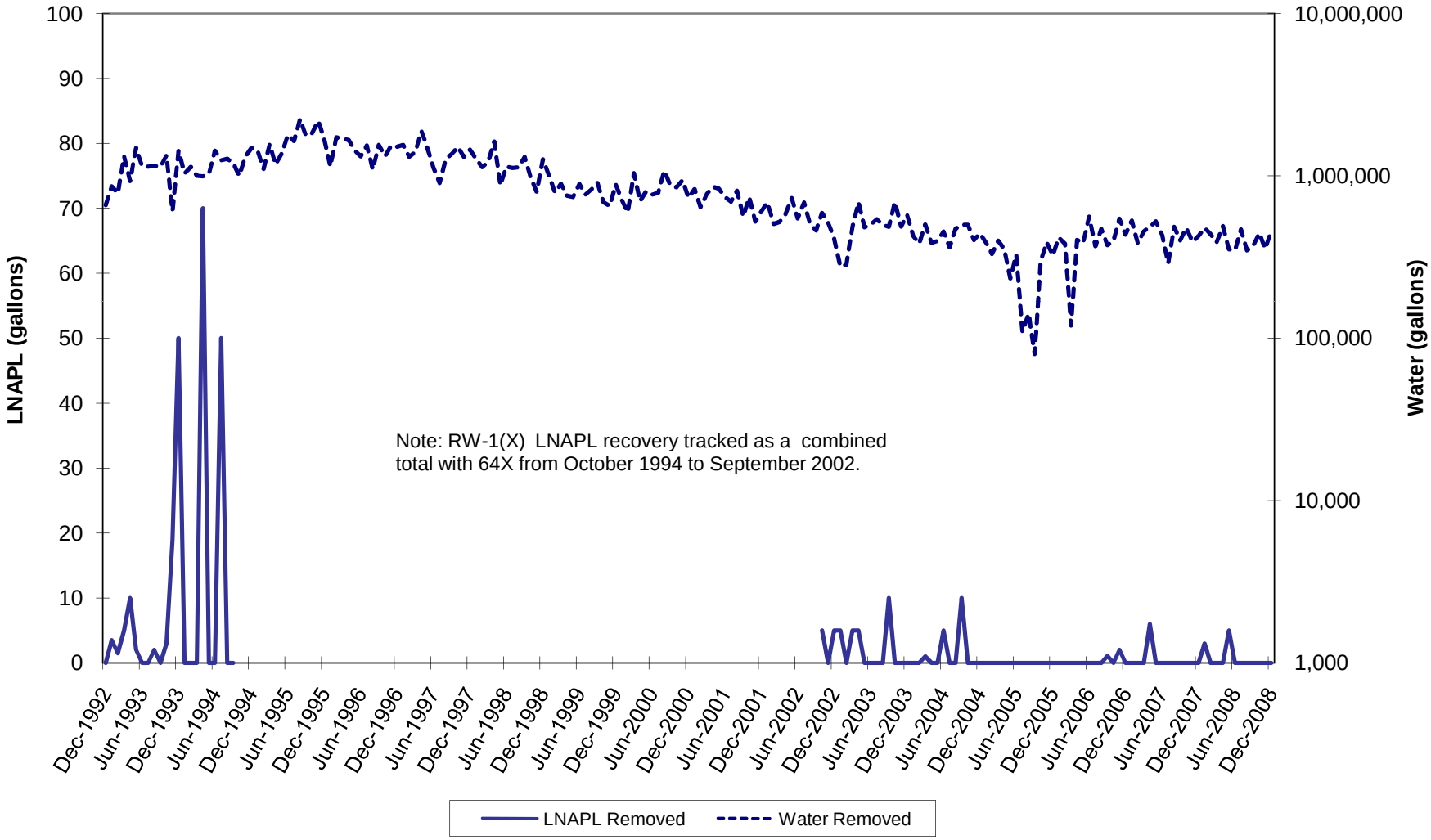
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - RW-1S

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



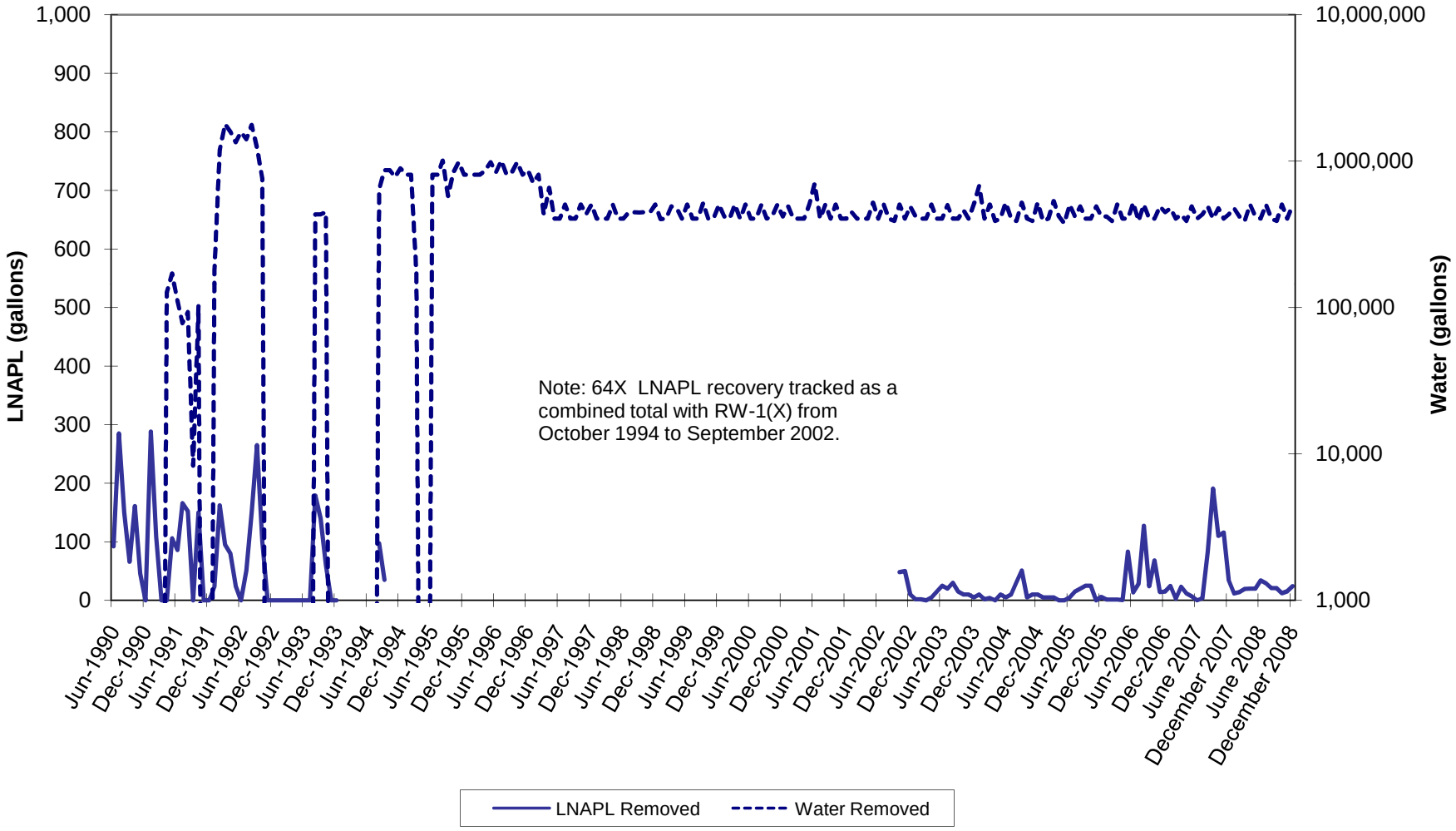
Appendix C
Automated LNAPL Recovery System Symmary For East Street Area 2-South - RW-1X

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



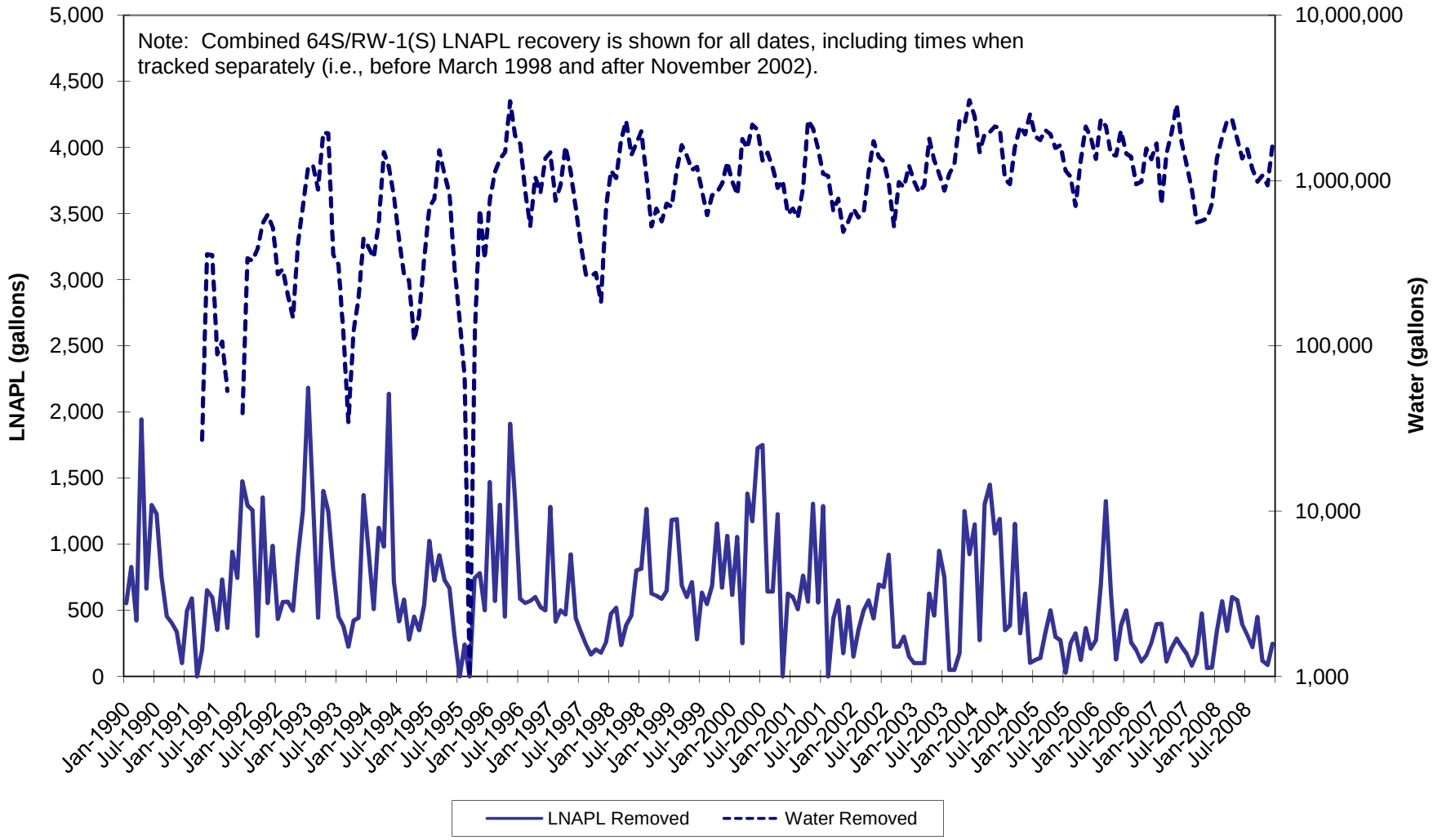
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - 64X

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



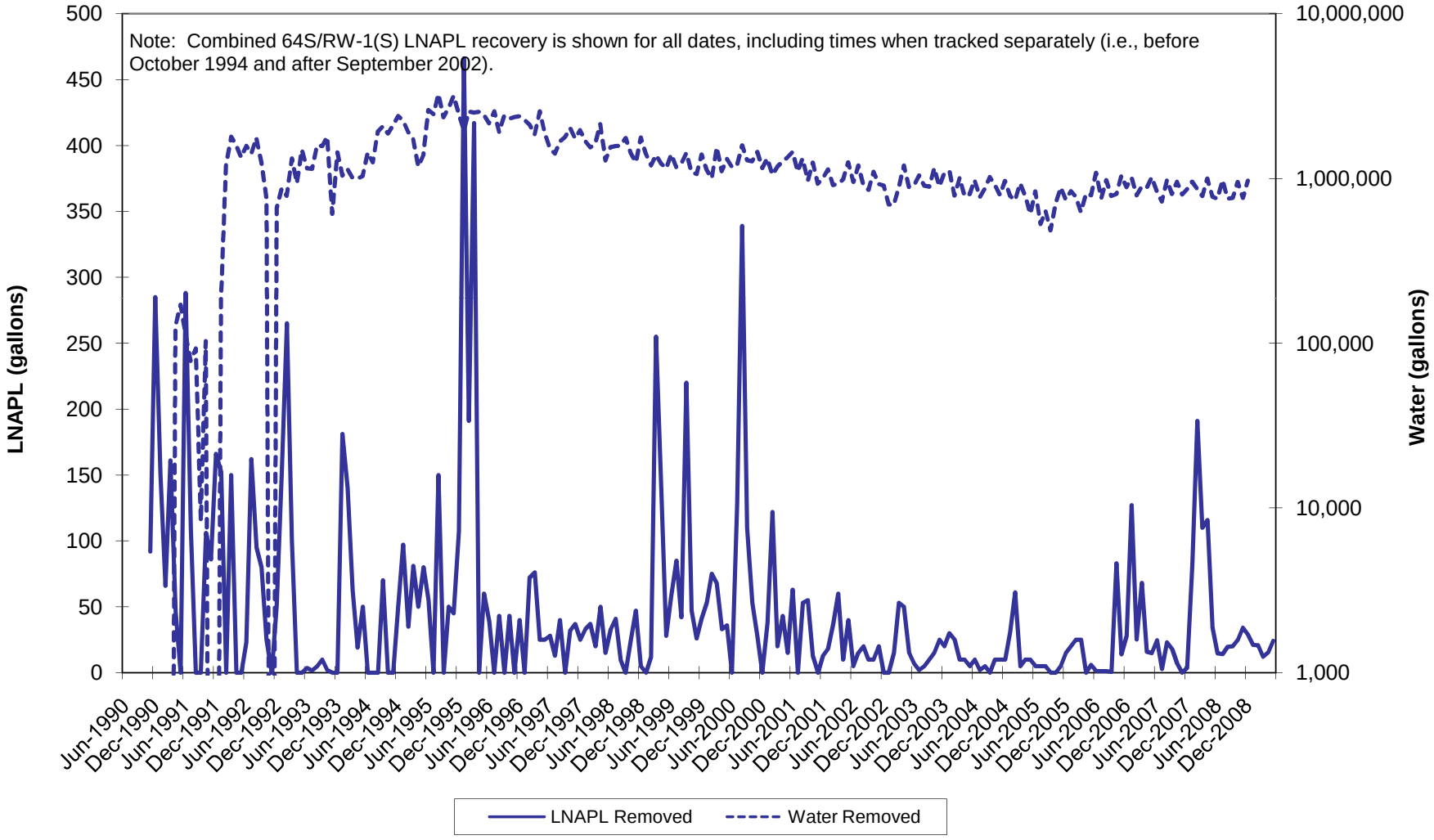
Appendix C
Automated LNAPL Recovery System Summary For
East Street Area 2-South - 64S/RW-1(S)

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



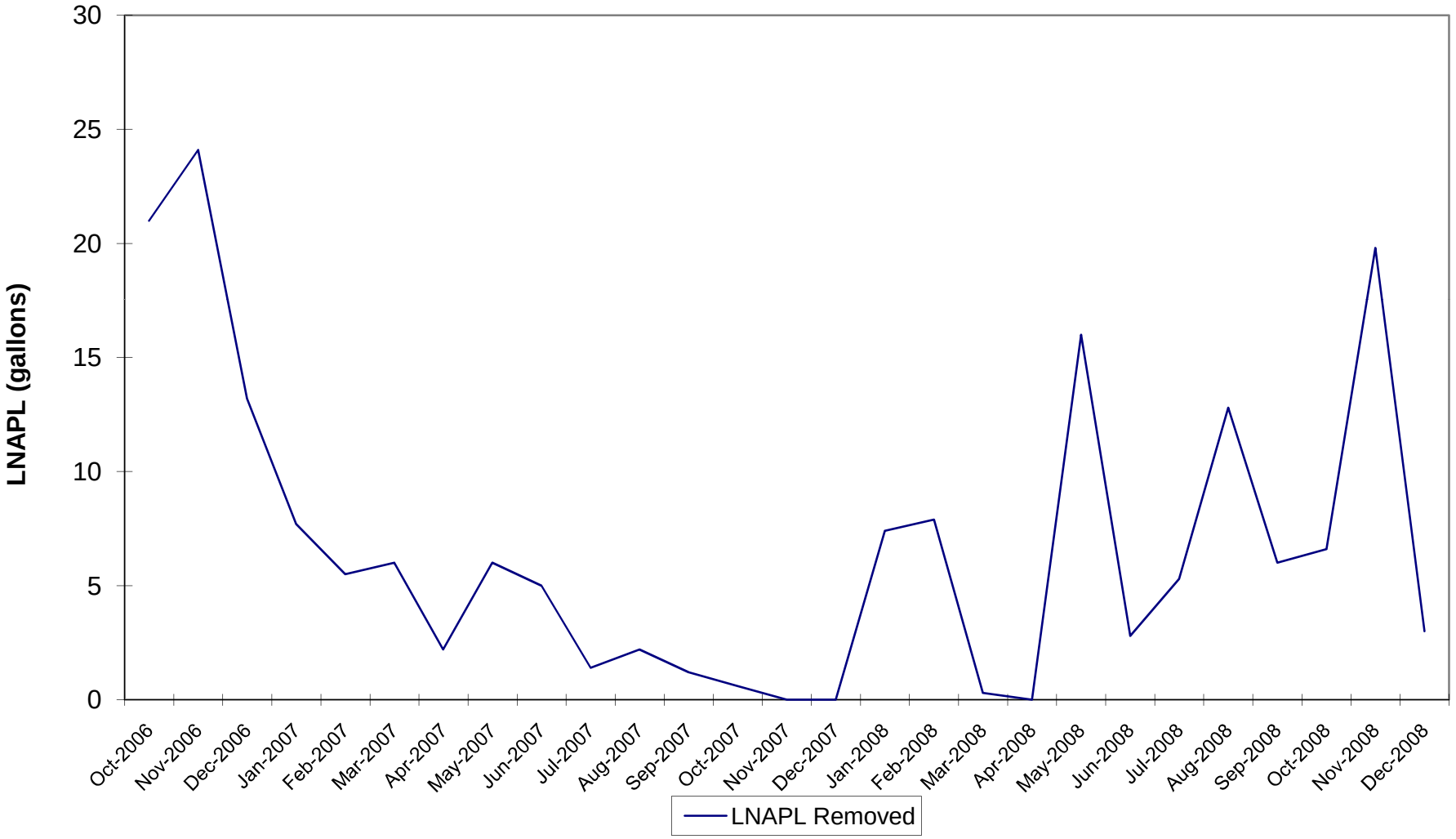
Appendix C
Automated LNAPL Recovery System Summary For
East Street Area 2-South - 64X/RW-1(X)

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



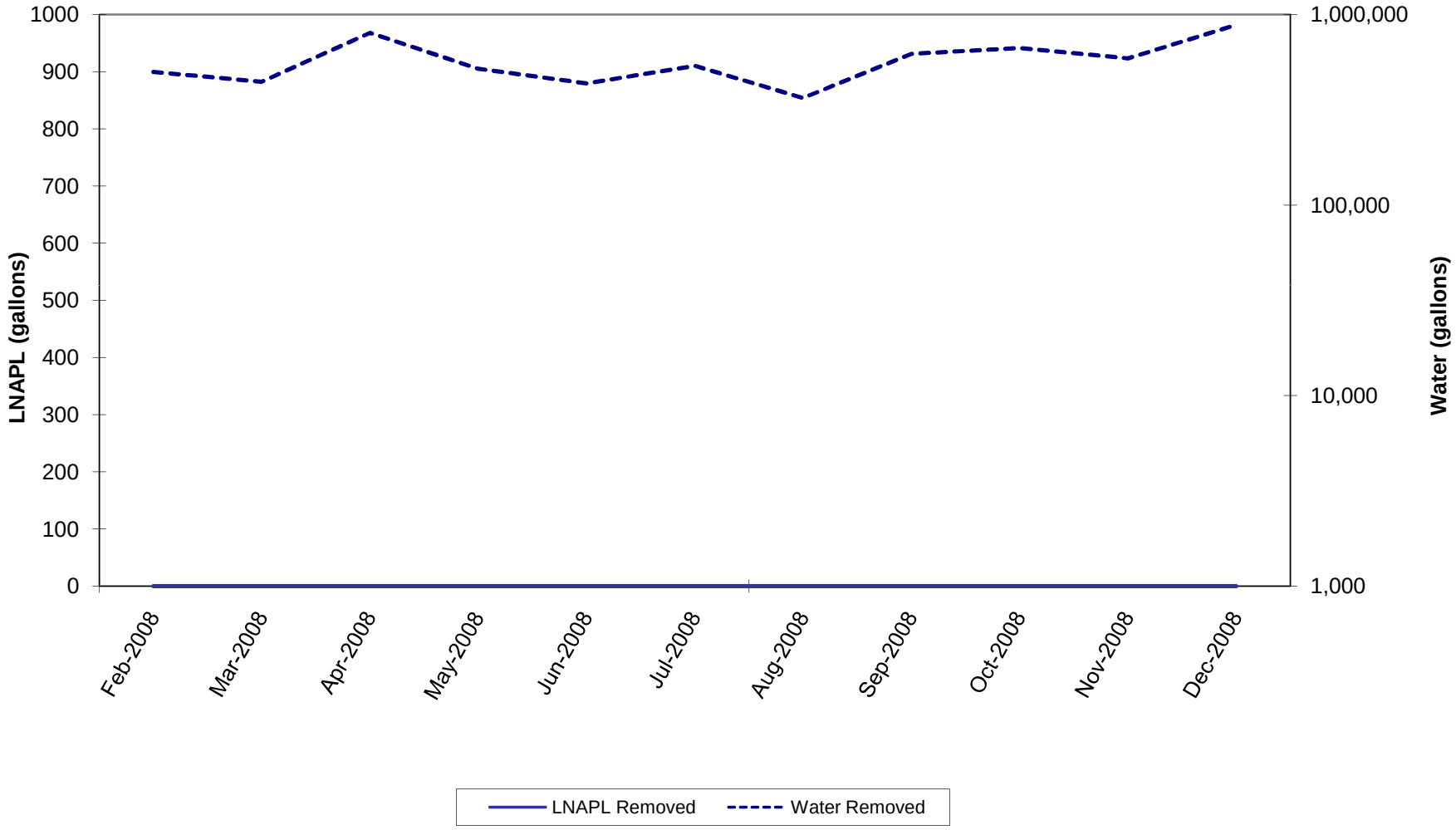
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - GMA1-17-W

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



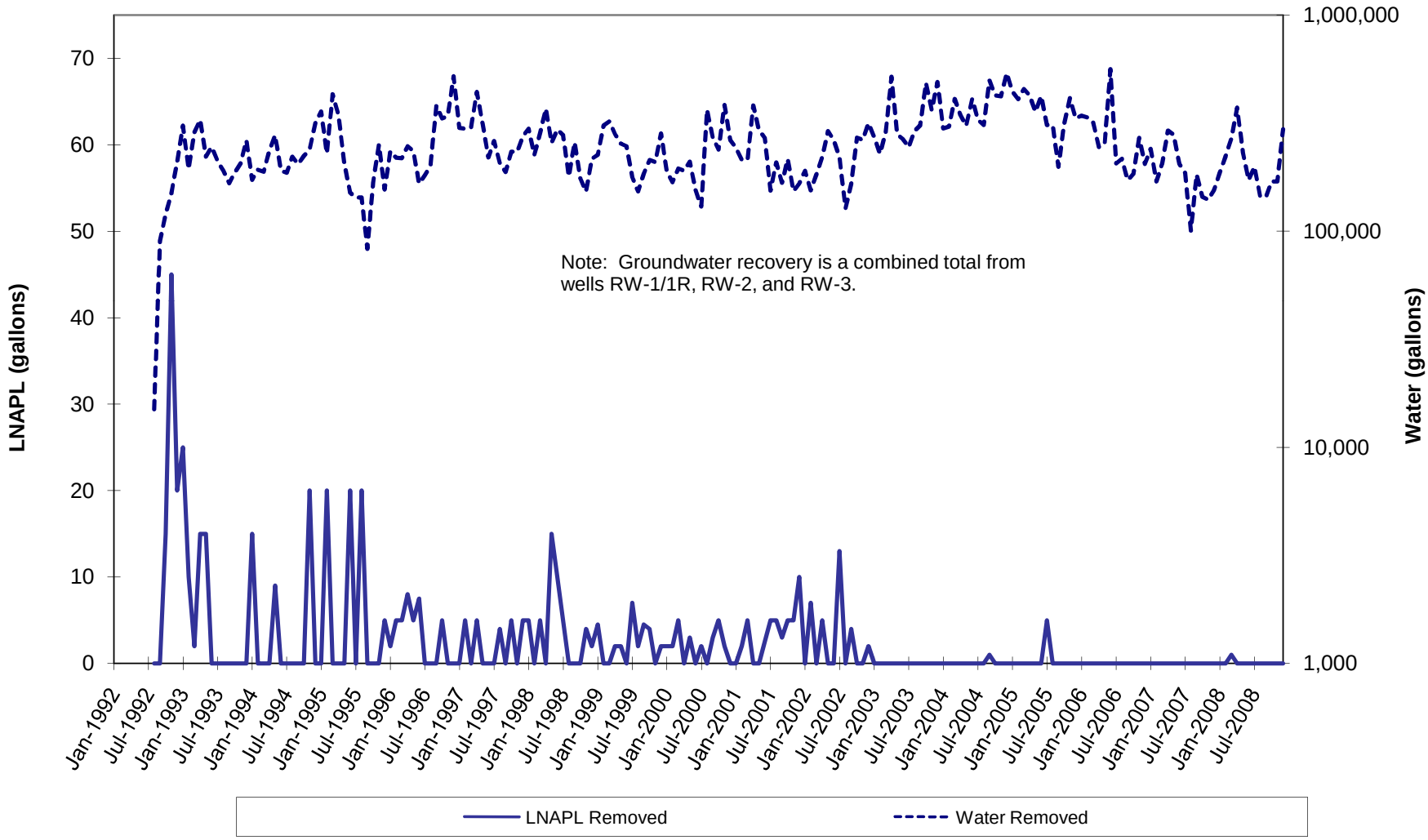
Appendix C
Automated LNAPL Recovery System Summary For East Street Area 2-South - RW-4

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



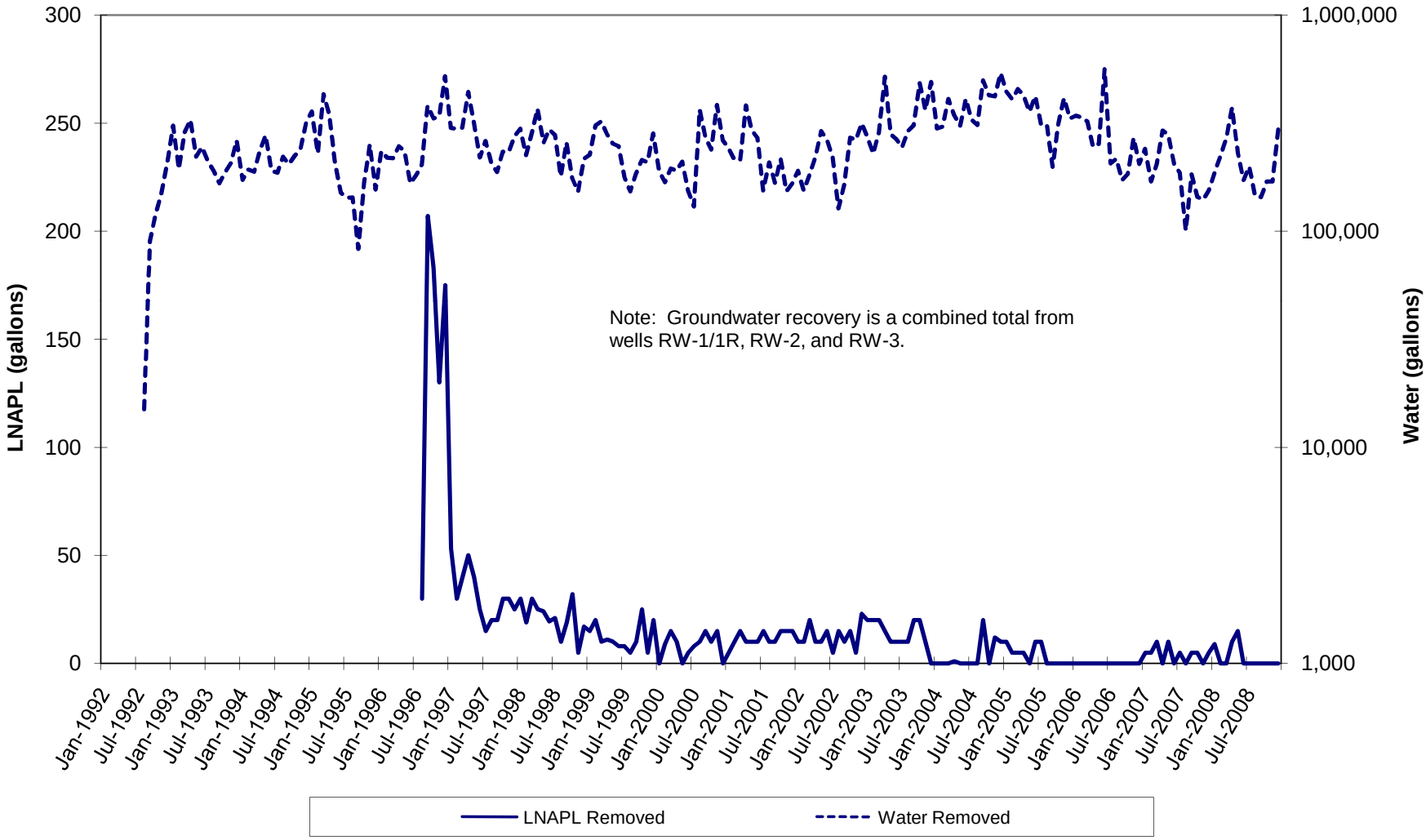
Appendix C
Automated LNAPL Recovery System Summary For Lyman Street Area - RW-1/RW-1R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix C
Automated LNAPL Recovery System Summary For Lyman Street Area - RW-3

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



G:\GE\GE_Pittsfield_CD_GMA_1\Reports and Presentations\Fall 2008 NAPL Report\
068911324 AppxC_Lyman.xlsrw-3

3/3/2009

Appendix C
LNAPL Thickness Data for Wells GMA1-15, GMA1-16 and GMA1-19
East Street Area 2-South

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

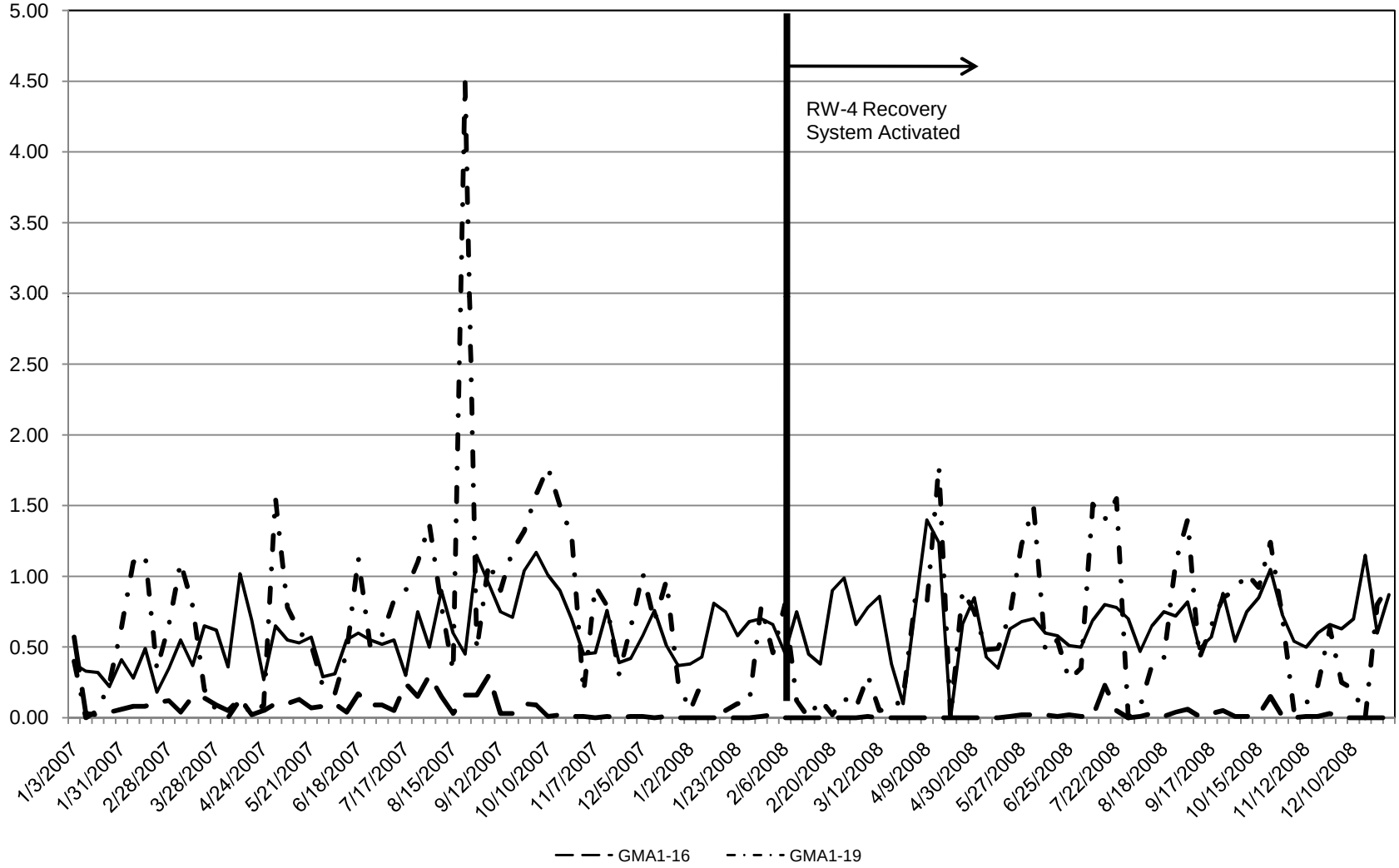


Table C-1
LNAPL Thickness Data for Wells GMA1-15, GMA1-16, and GMA 1-19 for 2007 and 2008

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

	2007			2008		
	GMA 1-15	GMA1-16	GMA1-19	GMA 1-15	GMA1-16	GMA1-19
Times Measured	52	52	52	59	60	58
LNAPL Observed	52	48	50	59	29	55
Minimum Thickness Observed	0.18	0.01	0.02	0.1	0.01	0.02
Maximum Thickness Observed	1.17	0.57	4.50[1]	1.40	0.23	1.78
Average Thickness	0.57	0.09	0.77	0.68	0.02	0.56

Notes:

1. A LNAPL thickness of 4.50 feet was observed at well GMA1-19 on August 21, 2007. The next highest thickness, observed on October 10, 2007, was 1.77 feet.

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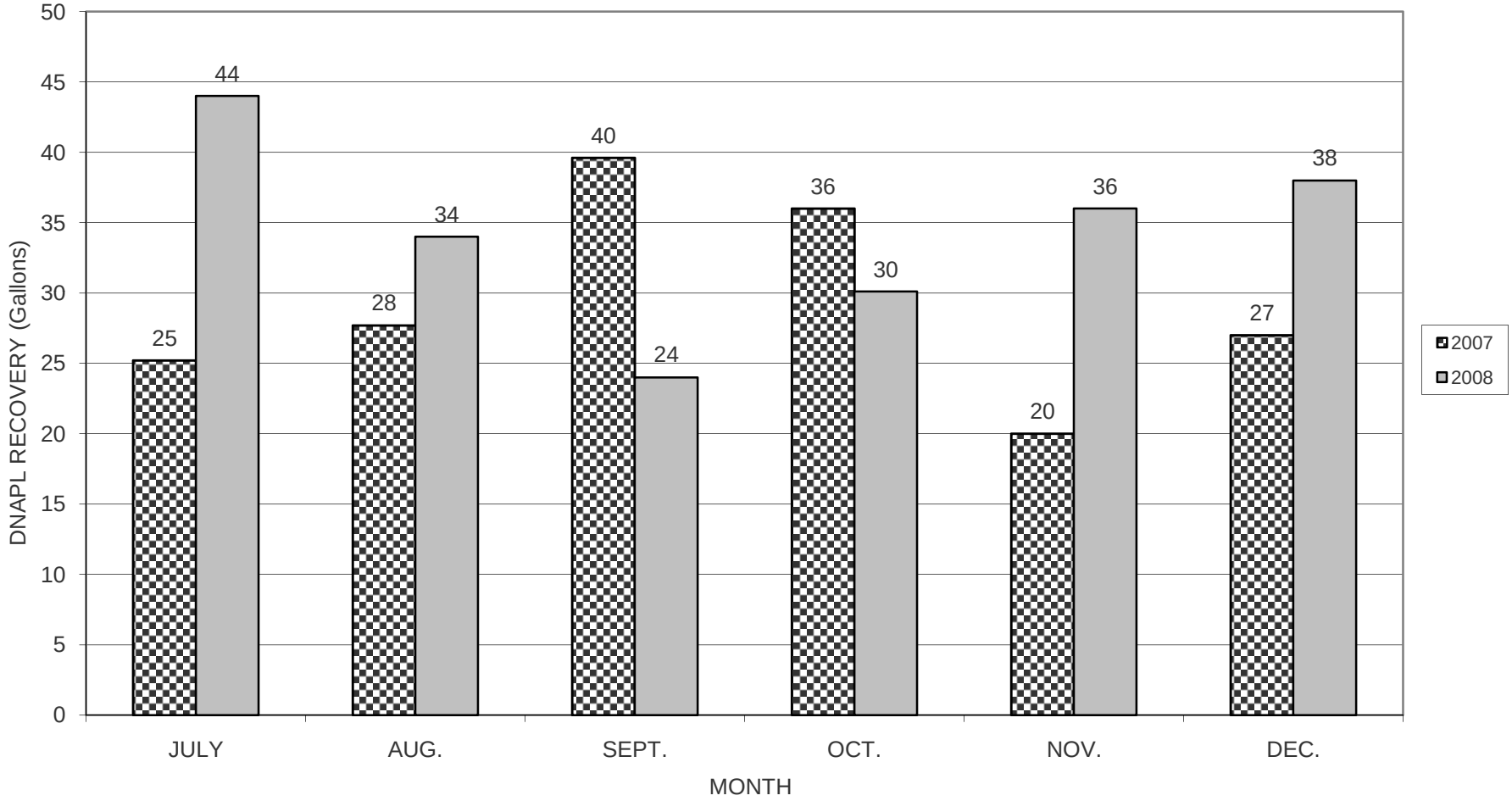
Appendix D

Summary of Automated DNAPL Recovery

Appendix D
DNAPL Recovery Data For East Street Area 2 - South System RW-3 (X)

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

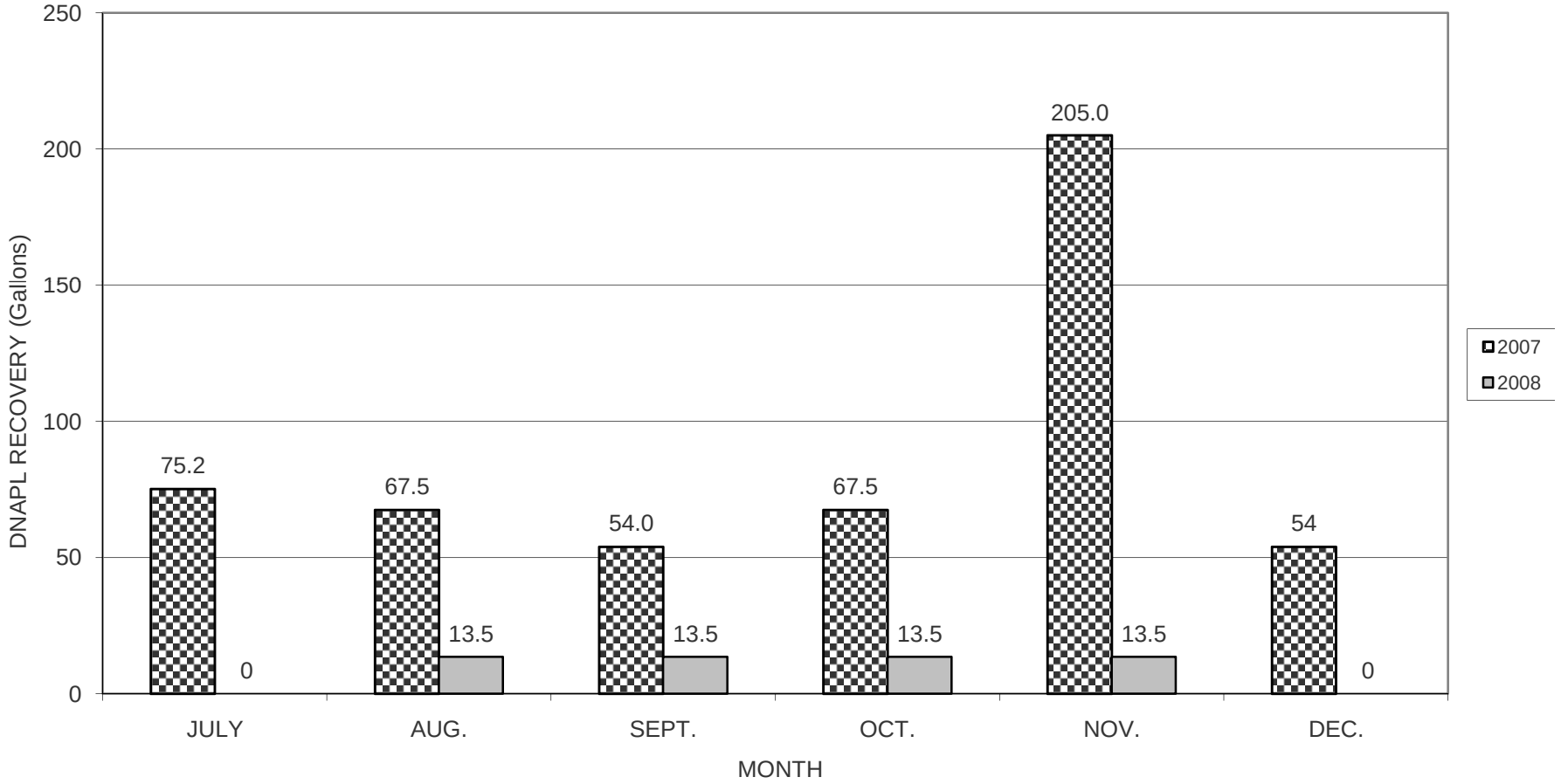


G:\GE\GE_Pittsfield_CD_GMA_1\Reports and Presentations\Fall 2008 NAPL Report\
068911324 Tbl 4_AppxDGraph.xls-APP D RW-3 (X)

3/3/2009

Appendix D
DNAPL Recovery Data For Newell Street Area II System 2[1]

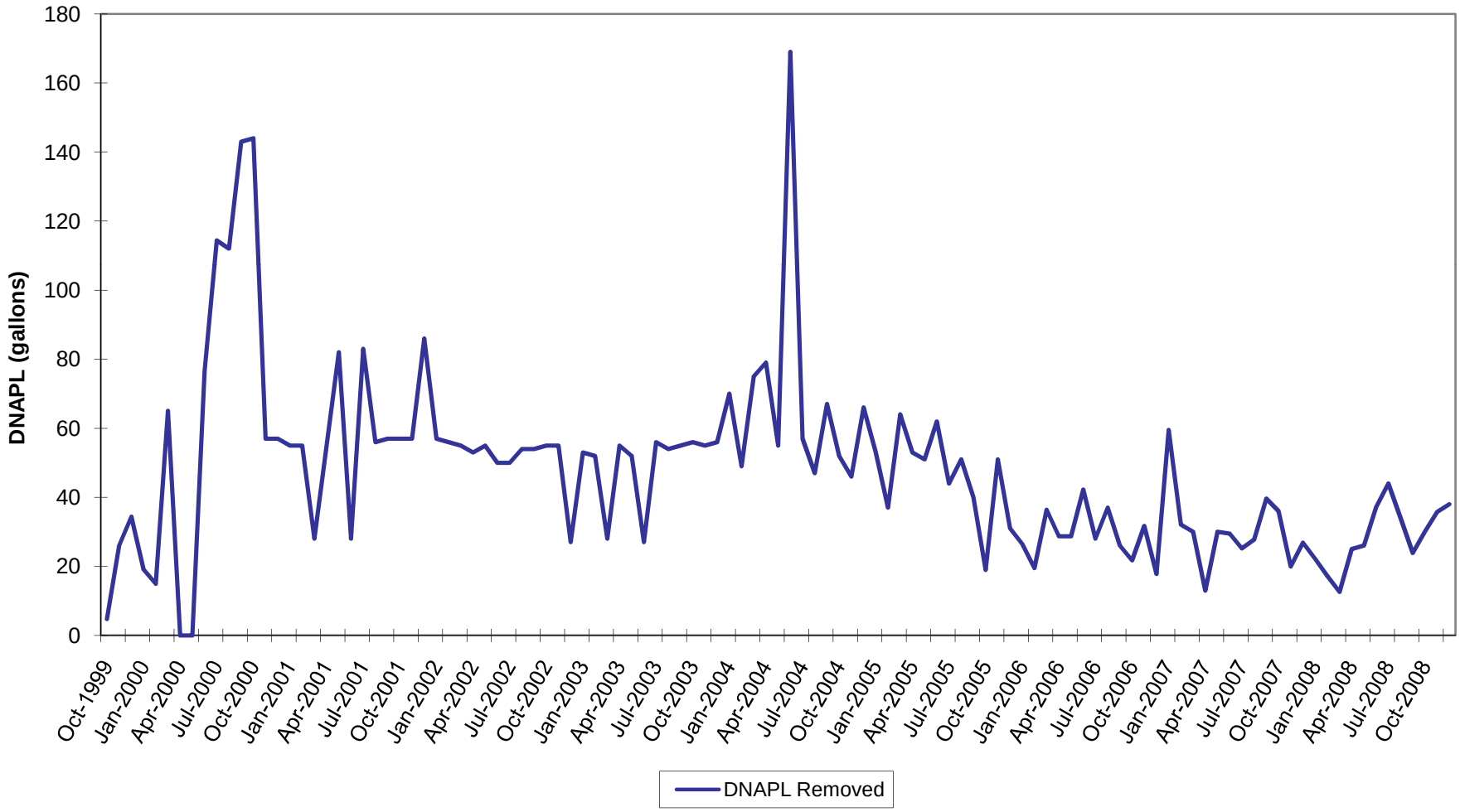
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



[1]The Newell Street Area II DNAPL recovery systems were shut down on July 25, 2005. An upgraded system was completed and activated on August 30,2006.

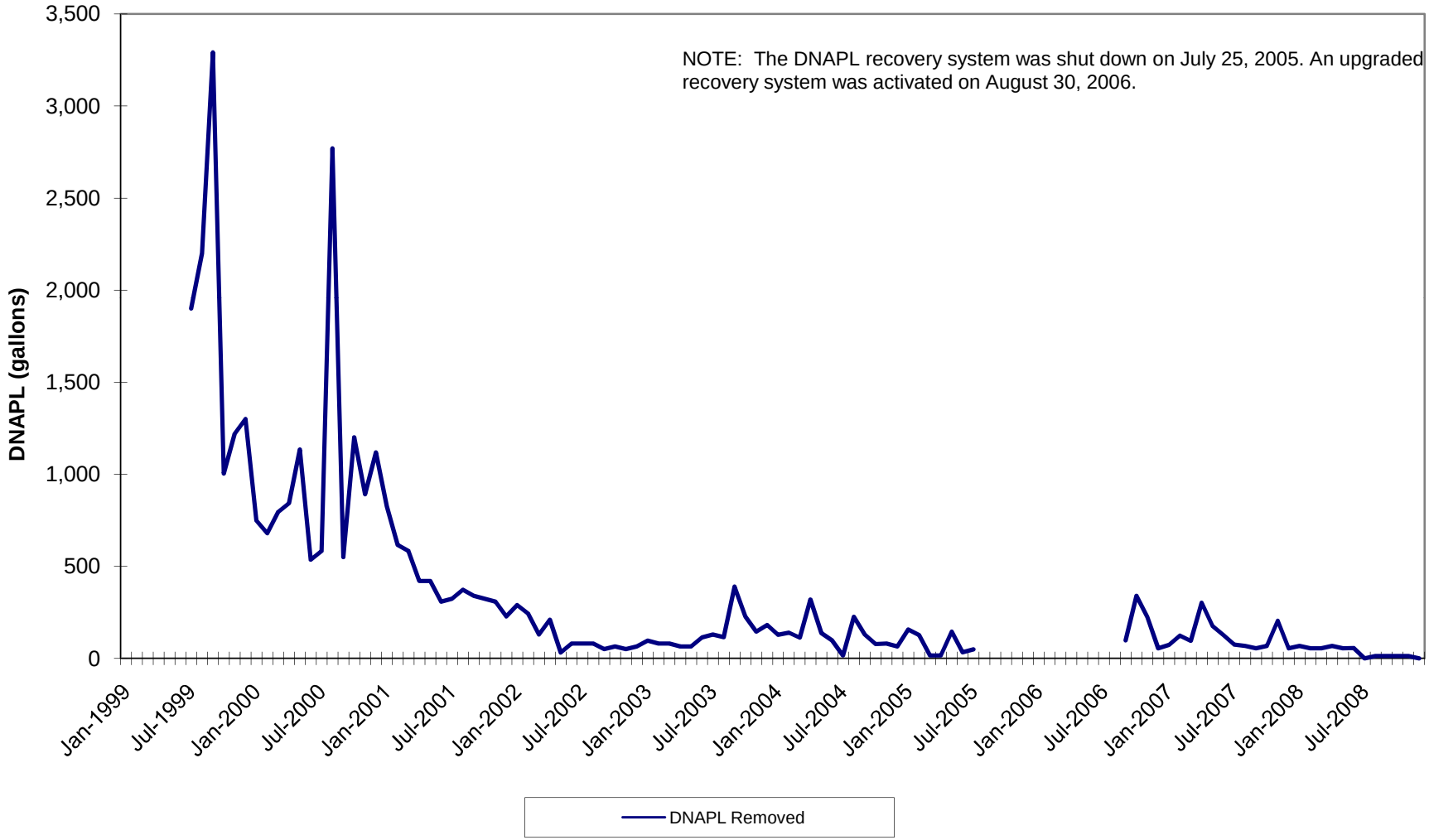
Appendix D
Automated DNAPL Recovery System Summary For East Street Area 2-South - RW-3X

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix D
Automated DNAPL Recovery System Summary For Newell Street Area II - System 2

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



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Appendix E

Groundwater Elevation and NAPL Thickness/Recovery Data

Table E-1
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For 20s, 30s, & 40s Complexes

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
40s Complex											
95-17	1,007.67	10/27/2008	23.96	---	0.00	---	25.71	0.00	983.71	---	---
30's Complex											
95-15	986.38	10/27/2008	Demolished				NA	NA	NA	---	---
95-16	1,007.65	8/12/2008	Could not locate.				NA	NA	NA	---	---
95-16	1,007.65	10/27/2008	Demolished				NA	NA	NA	---	---
ES2-19	1,007.22	10/15/2008	15.28	---	0.00	---	18.45	0.00	991.94	---	---
ES2-19	1,007.22	10/23/2008	14.39	---	0.00	---	18.88	0.00	992.83	---	---
ES2-19	1,007.22	10/27/2008	13.16	---	0.00	---	18.88	0.00	994.06	---	---
GMA1-3	990.78	9/26/2008	7.12	---	0.00	---	15.62	0.00	983.66	---	---
GMA1-3	990.78	10/16/2008	7.13	---	0.00	---	15.45	0.00	983.65	---	---
GMA1-3	990.78	10/27/2008	6.86	---	0.00	---	15.26	0.00	983.92	---	---
GMA1-12	992.26	10/27/2008	14.48	---	0.00	---	21.10	0.00	977.78	---	---
RF-03	985.40	8/12/2008	Could not locate.				NA	NA	NA	---	---
RF-03	985.40	10/27/2008	7.59	---	0.00	---	35.90	0.00	977.81	---	---
RF-03D	985.31	8/12/2008	7.43	---	0.00	---	35.91	0.00	977.88	---	---
RF-16R	987.91	10/27/2008	9.53	---	0.00	---	16.65	0.00	978.38	---	---
20's Complex											
CC	998.84	7/30/2008	16.08	---	0.00	---	17.58	0.00	982.76	---	---
CC	998.84	9/23/2008	Well Obstructed at 17.58 ft				NA	NA	NA	---	---
CC	998.84	10/27/2008	Dry at 17.62 ft BMP				17.62	NA	NA	---	---
EE	1,004.27	10/27/2008	24.53	---	0.00	---	33.56	0.00	979.74	---	---
GG	1,007.40	10/27/2008	25.85	P	< 0.01	---	34.30	0.00	981.55	---	---
II	1,007.26	9/23/2008	26.68	26.60	0.08	---	31.67	0.00	980.65	0.05	---
II	1,007.26	10/27/2008	26.85	26.72	0.13	---	31.65	0.00	980.53	---	---
II	1,007.26	11/4/2008	29.10	29.09	0.01	---	30.61	0.00	978.17		
JJ	1,006.38	8/12/2008	24.59	---	0.00	---	36.10	0.00	981.79	---	---
JJ	1,006.38	10/27/2008	26.57	---	0.00	---	34.43	0.00	979.81	---	---
KK	1,006.61	8/12/2008	24.90	---	0.00	---	34.45	0.00	981.71	---	---
LL-R	1,010.39	10/27/2008	29.34	---	0.00	---	25.40	0.00	981.05	---	---
P-R	1,005.01	10/27/2008	25.75	---	0.00	---	28.40	0.00	979.26	---	---
QQ-R	998.32	7/30/2008	16.84	---	0.00	---	28.23	0.00	981.48	---	---
QQ-R	998.32	9/23/2008	18.15	18.14	0.01	---	28.14	0.00	980.18	0.01	---
QQ-R	998.32	10/27/2008	18.85	P	< 0.01	---	28.12	0.00	979.47	---	---
U	998.89	8/12/2008	18.05	---	0.00	---	26.50	0.00	980.84	---	---
U	998.89	9/23/2008	19.41	19.40	0.01	---	26.50	0.00	979.49	0.01	---
U	999.89	10/27/2008	19.68	19.63	0.05	---	26.47	0.00	980.26	---	---
Y	1,002.86	7/30/2008	21.43	---	0.00	---	28.48	0.00	981.43	---	---
Y	1,002.86	9/23/2008	23.14	---	0.00	---	28.30	0.00	979.72	---	---
Y*	1,003.10	10/27/2008	23.31	---	0.00	---	28.20	0.00	979.79	---	---

Notes:

1. --- indicates LNAPL or DNAPL was not present in a measurable quantity
2. NA indicates information not available.
3. P indicates that NAPL is present at a thickness that is <0.01 feet, the corresponding thickness is recorded as such.
4. * The well casing at well Y was modified on November 8, 2008. The well was re-surveyed in January 2009, and the measuring point elevation was updated.

Table E-2
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 2 - South

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
01R	992.72	10/27/2008	12.13	---	0.00	---	24.60	0.00	980.59	---	---
02	995.64	9/22/2008	17.15	---	0.00	---	23.30	0.00	978.49	---	---
02	995.64	10/27/2008	17.50	P	< 0.01	---	23.43	0.00	978.14	---	---
05	996.10	10/27/2008	14.41	---	0.00	---	23.10	0.00	981.69	---	---
06	991.18	9/22/2008	14.08	---	0.00	---	23.55	0.00	977.10	---	---
06	991.18	10/27/2008	14.26	---	0.00	---	23.55	0.00	976.92	---	---
09R	986.88	9/22/2008	13.65	---	0.00	---	19.58	0.00	973.23	---	---
09R	986.88	10/27/2008	13.39	P	< 0.01	---	19.55	0.00	973.49	---	---
10	987.95	10/27/2008	Dry at 15.62 feet BMP			---	15.62	NA	NA	---	---
13	990.88	7/29/2008	16.73	---	0.00	---	22.58	0.00	974.15	---	---
13	990.88	8/18/2008	17.62	17.61	0.01	---	22.55	0.00	973.27	0.01	---
13	990.88	9/22/2008	18.17	18.14	0.03	---	22.54	0.00	972.74	0.02	---
13	990.88	10/27/2008	17.94	17.85	0.09	---	22.38	0.00	973.02	---	---
13**	991.23	11/17/2008	17.50	17.38	0.12	---	22.45	0.00	973.49	0.07	---
13**	991.23	12/30/2008	15.16	15.10	0.06	---	22.48	0.00	976.13	0.04	---
14	991.61	7/29/2008	16.78	16.74	0.04	---	25.40	0.00	974.87	0.03	---
14	991.61	8/18/2008	17.68	17.67	0.01	---	25.40	0.00	973.94	0.01	---
14	991.61	9/22/2008	18.28	18.15	0.13	---	25.44	0.00	973.45	0.08	---
14	991.61	10/27/2008	18.27	17.84	0.43	---	25.30	0.00	973.74	---	---
14	991.61	11/17/2008	17.71	17.55	0.16	---	25.30	0.00	974.05	0.10	---
14	991.61	12/30/2008	15.56	15.22	0.34	---	25.34	0.00	976.37	0.21	---
16R	987.10	10/27/2008	13.25	---	0.00	---	17.48	0.00	973.85	---	---
19	983.59	7/2/2008	11.08	---	0.00	---	17.50	NA	972.51	---	---
19	983.59	7/8/2008	11.27	---	0.00	---	17.50	NA	972.32	---	---
19	983.59	7/15/2008	11.44	---	0.00	---	17.50	0.00	972.15	---	---
19	983.59	7/22/2008	11.50	---	0.00	---	17.45	0.00	972.09	---	---
19	983.59	7/29/2008	10.03	---	0.00	---	17.30	0.00	973.56	---	---
19	983.59	8/6/2008	10.98	---	0.00	---	17.45	NA	972.61	---	---
19	983.59	8/13/2008	10.71	---	0.00	---	17.35	NA	972.88	---	---
19	983.59	8/18/2008	11.24	---	0.00	---	17.40	0.00	972.35	---	---
19	983.59	8/27/2008	11.58	---	0.00	---	17.44	0.00	972.01	---	---
19	983.59	9/3/2008	11.75	---	0.00	---	17.48	0.00	971.84	---	---
19	983.59	9/10/2008	11.00	---	0.00	---	17.48	0.00	972.59	---	---
19	983.59	9/16/2008	11.27	---	0.00	---	17.45	0.00	972.32	---	---
19	983.59	9/26/2008	11.60	---	0.00	---	17.40	0.00	971.99	---	---
19	983.59	10/1/2008	11.23	---	0.00	---	17.41	0.00	972.36	---	---
19	983.59	10/8/2008	11.52	---	0.00	---	17.40	0.00	972.07	---	---
19	983.59	10/15/2008	11.61	---	0.00	---	17.41	0.00	971.98	---	---
19	983.59	10/22/2008	11.70	---	0.00	---	17.46	0.00	971.89	---	---
19	983.59	10/27/2008	10.73	---	0.00	---	17.34	0.00	972.86	---	---
19	983.59	11/5/2008	10.75	---	0.00	---	17.40	0.00	972.84	---	---
19	983.59	11/12/2008	10.95	---	0.00	---	17.42	0.00	972.64	---	---

Table E-2
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 2 - South

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
19	983.59	11/17/2008	10.90	---	0.00	---	17.40	0.00	972.69	---	---
19	983.59	11/26/2008	10.75	---	0.00	---	17.45	0.00	972.84	---	---
19	983.59	12/3/2008	10.65	---	0.00	---	17.42	0.00	972.94	---	---
19	983.59	12/10/2008	10.70	---	0.00	---	17.45	0.00	972.89	---	---
19	983.59	12/17/2008	9.20	---	0.00	---	17.40	0.00	974.39	---	---
19	983.59	12/24/2008	10.10	---	0.00	---	17.41	0.00	973.49	---	---
19	983.59	12/30/2008	9.14	---	0.00	---	17.43	0.00	974.45	---	---
25R	998.31	7/29/2008	23.20	19.40	3.80	---	30.65	0.00	978.64	2.34	---
25R	998.31	8/18/2008	23.03	19.20	3.83	---	30.65	0.00	978.84	2.36	---
25R	998.31	9/22/2008	23.50	20.05	3.45	---	30.63	0.00	978.02	2.13	---
25R	998.31	10/27/2008	23.63	20.69	2.94	---	30.45	0.00	977.41	---	---
25R	998.31	11/17/2008	23.34	19.84	3.50	---	30.64	0.00	978.23	2.96	---
25R	998.31	11/18/2008	20.63	20.13	0.50	---	30.63	0.00	978.15	0.61	---
25R	998.31	12/31/2008	19.26	17.32	1.94	---	30.65	0.00	980.85	1.20	---
26RR	1,000.58	7/29/2008	20.75	---	0.00	---	28.40	0.00	979.83	---	---
26RR	1,000.58	8/18/2008	20.35	---	0.00	---	28.40	0.00	980.23	---	---
26RR	1,000.58	9/23/2008	21.59	21.53	0.06	---	28.41	0.00	979.05	0.04	---
26RR	1,000.58	10/27/2008	22.52	22.25	0.27	---	28.50	0.00	978.31	---	---
26RR	1,000.58	11/17/2008	21.37	21.30	0.07	---	28.40	0.00	979.28	---	---
26RR	1,000.58	12/31/2008	18.51	18.50	0.01	---	28.38	0.00	982.08	---	---
28	991.86	10/27/2008	16.63	---	0.00	---	21.78	0.00	975.23	---	---
29	991.59	9/22/2008	18.15	18.05	0.10	---	21.95	0.00	973.53	0.06	---
29	991.59	10/27/2008	18.22	18.17	0.05	---	29.99	0.00	973.42	---	---
30	989.34	7/29/2008	11.37	11.36	0.01	---	22.40	0.00	977.98	---	---
30	989.34	8/18/2008	11.56	---	0.00	---	22.45	0.00	977.78	---	---
30	989.34	9/22/2008	11.70	---	0.00	---	22.44	0.00	977.64	---	---
30	989.34	10/27/2008	11.95	11.91	0.04	---	22.51	0.00	977.43	---	---
30	989.34	11/17/2008	16.60	---	0.00	---	22.50	0.00	972.74	---	---
30	989.34	12/31/2008	9.52	9.51	0.01	---	22.42	0.00	979.83	---	---
31	990.60	10/27/2008	13.29	---	0.00	---	22.90	0.00	977.31	---	---
31	990.60	11/19/2008	12.82	P	< 0.01	---	22.90	0.00	977.78	---	---
32	990.81	10/27/2008	11.78	---	0.00	---	16.54	0.00	979.03	---	---
34	982.54	10/27/2008	6.75	---	0.00	---	8.78	0.00	975.79	---	---
35	982.81	10/27/2008	8.95	---	0.00	---	12.25	0.00	973.86	---	---
35	982.81	11/19/2008	8.45	---	0.00	---	12.16	0.00	974.36	---	---
36	983.02	10/27/2008	8.35	---	0.00	---	12.58	0.00	974.67	---	---
37	980.37	10/27/2008	5.65	---	0.00	---	11.86	0.00	974.72	---	---
38	980.77	10/27/2008	4.94	---	0.00	---	13.61	0.00	975.83	---	---
40R	991.60	7/29/2008	12.53	---	0.00	---	12.64	0.00	979.07	---	---
40R	991.60	8/18/2008	Dry at 12.70 feet BMP			--	12.70	NA	NA	---	---
40R	991.60	9/16/2008	Dry at 12.65 feet BMP			---	12.65	NA	NA	---	---
40R	991.60	10/27/2008	Dry at 12.50 feet BMP			---	12.50	NA	NA	---	---

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Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
40R	991.60	11/17/2008	Dry at 12.53 feet BMP			---	12.53	NA	NA	---	---
40R	991.60	12/31/2008	10.50	---	0.00	---	12.55	0.00	981.10	---	---
42	988.33	9/22/2008	12.16	---	0.00	---	18.74	0.00	976.17	---	---
42	988.33	10/27/2008	12.08	---	0.00	---	18.83	0.00	976.25	---	---
42	988.33	11/19/2008	11.60	P	< 0.01	---	18.75	0.00	976.73	---	---
43	989.67	9/22/2008	14.30	---	0.00	---	22.46	0.00	975.37	---	---
43	989.67	10/27/2008	14.47	---	0.00	---	22.60	0.00	975.20	---	---
44	988.33	10/27/2008	12.16	---	0.00	---	19.01	0.00	976.17	---	---
47	991.09	7/29/2008	17.10	16.78	0.32	---	23.09	0.00	974.29	0.20	---
47	991.09	9/22/2008	18.40	17.65	0.75	---	23.06	0.00	973.39	0.46	---
47	991.09	10/27/2008	18.58	17.63	0.95	---	23.17	0.00	973.39	---	---
48	992.39	7/29/2008	16.02	14.85	1.17	---	22.60	0.00	977.46	0.72	---
48	992.39	8/18/2008	16.60	15.22	1.38	---	22.58	0.00	977.07	0.85	---
48	992.39	9/22/2008	17.45	15.70	1.75	---	22.60	0.00	976.57	1.08	---
48	992.39	10/27/2008	17.25	15.55	1.70	---	22.62	0.00	976.72	---	---
48	992.39	11/17/2008	16.66	15.15	1.51	---	22.60	0.00	977.13	0.93	---
48	992.39	12/31/2008	14.68	13.45	1.23	---	22.48	0.00	978.85	0.76	---
49R	988.71	7/28/2008	14.63	---	0.00	---	24.88	0.00	974.08	---	---
49R	988.71	8/18/2008	15.15	---	0.00	---	24.88	0.00	973.56	---	---
49R	988.71	9/16/2008	15.43	---	0.00	---	24.88	0.00	973.28	---	---
49R	988.71	10/27/2008	15.13	---	0.00	---	24.85	0.00	973.58	---	---
49R	988.71	11/17/2008	14.96	---	0.00	---	24.88	0.00	973.75	---	---
49R	988.71	12/31/2008	13.25	---	0.00	---	24.88	0.00	975.46	---	---
49RR	989.80	7/28/2008	15.83	---	0.00	---	23.02	0.00	973.97	---	---
49RR	989.80	8/18/2008	16.10	---	0.00	---	23.04	0.00	973.70	---	---
49RR	989.80	9/16/2008	16.40	---	0.00	---	23.05	0.00	973.40	---	---
49RR	989.80	10/27/2008	16.39	---	0.00	---	22.97	0.00	973.41	---	---
49RR	989.80	11/17/2008	16.05	---	0.00	---	23.02	0.00	973.75	---	---
49RR	989.80	12/31/2008	14.30	---	0.00	---	23.01	0.00	975.50	---	---
50	985.79	7/28/2008	10.06	9.70	0.36	---	23.41	0.00	976.06	0.22	---
50	985.79	9/22/2008	10.83	10.78	0.05	---	23.40	0.00	975.01	0.03	---
50	985.79	10/27/2008	10.71	10.70	0.01	---	23.40	0.00	975.09	---	---
51	985.38	10/27/2008	11.76	---	0.00	---	23.96	0.00	973.62	---	---
52	985.18	10/27/2008	11.90	---	0.00	---	23.93	0.00	973.28	---	---
53	986.90	7/28/2008	12.90	---	0.00	---	25.40	0.00	974.00	---	---
53	986.90	10/27/2008	13.38	---	0.00	---	25.38	0.00	973.52	---	---
54	985.78	10/27/2008	12.73	---	0.00	---	25.60	0.00	973.05	---	---
55	989.45	7/29/2008	16.40	15.36	1.04	---	30.02	0.00	974.02	0.64	---
55	989.45	8/18/2008	16.64	16.20	0.44	---	30.03	0.00	973.22	0.27	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
55	989.45	9/22/2008	17.20	16.66	0.54	---	30.02	0.00	972.75	0.33	---
55**	985.97	10/27/2008	13.23	12.65	0.58	---	26.62	0.00	973.28	---	---
55**	985.97	11/17/2008	12.64	12.50	0.14	---	26.52	0.00	976.94	---	---
55**	985.97	12/31/2008	11.03	10.87	0.16	---	26.52	0.00	975.09	---	---
57	989.80	10/27/2008	12.18	P	< 0.01	---	27.11	0.00	977.62	---	---
58	985.79	9/22/2008	13.26	---	0.00	---	23.15	0.00	972.53	---	---
58	985.79	10/27/2008	12.58	12.48	0.10	---	23.20	0.00	973.30	---	---
59	986.32	10/27/2008	14.04	---	0.00	---	25.81	0.00	972.28	---	---
64	984.98	10/27/2008	12.01	---	0.00	---	21.01	0.00	972.97	---	---
64R	993.37	7/2/2008	16.00	15.97	0.03	---	20.50	0.00	977.40	---	---
64R	993.37	7/8/2008	15.60	15.58	0.02	---	20.50	0.00	977.79	---	---
64R	993.37	7/15/2008	15.45	15.44	0.01	---	20.50	0.00	977.93	---	---
64R	993.37	7/23/2008	15.43	P	< 0.01	---	20.50	0.00	977.94	---	---
64R	993.37	7/30/2008	16.48	16.47	0.01	---	20.50	0.00	976.90	---	---
64R	993.37	8/5/2008	15.67	15.65	0.02	---	20.50	0.00	977.72	---	---
64R	993.37	8/13/2008	16.18	16.17	0.01	---	20.50	0.00	977.20	---	---
64R	993.37	8/20/2008	15.40	15.39	0.01	---	20.50	0.00	977.98	---	---
64R	993.37	8/27/2008	15.40	15.39	0.01	---	20.50	0.00	977.98	---	---
64R	993.37	9/3/2008	15.37	15.36	0.01	---	20.50	0.00	978.01	---	---
64R	993.37	9/8/2008	15.30	15.29	0.01	---	20.50	0.00	978.08	---	---
64R	993.37	9/17/2008	15.40	15.39	0.01	---	20.50	0.00	977.98	---	---
64R	993.37	9/23/2008	15.55	15.54	0.01	---	20.50	0.00	977.83	---	---
64R	993.37	10/1/2008	15.29	15.28	0.01	---	20.50	0.00	978.09	---	---
64R	993.37	10/7/2008	15.30	15.29	0.01	---	20.50	0.00	978.08	---	---
64R	993.37	10/14/2008	15.81	15.80	0.01	---	20.50	0.00	977.57	---	---
64R	993.37	10/21/2008	16.01	16.00	0.01	---	20.50	0.00	977.37	---	---
64R	993.37	10/28/2008	16.00	15.99	0.01	---	20.50	0.00	977.38	---	---
64R	993.37	11/4/2008	15.80	15.79	0.01	---	20.50	0.00	977.58	---	---
64R	993.37	11/11/2008	16.10	16.09	0.01	---	20.50	0.00	977.28	---	---
64R	993.37	11/18/2008	16.13	16.12	0.01	---	20.50	0.00	977.25	---	---
64R	993.37	11/25/2008	16.42	16.40	0.02	---	20.50	0.00	976.97	---	---
64R	993.37	12/2/2008	16.41	16.39	0.02	---	20.50	0.00	976.98	---	---
64R	993.37	12/9/2008	16.40	16.39	0.01	---	20.50	0.00	976.98	---	---
64R	993.37	12/16/2008	15.71	15.70	0.01	---	20.50	0.00	977.67	---	---
64R	993.37	12/24/2008	15.41	15.40	0.01	---	20.50	0.00	977.97	---	---
64R	993.37	12/30/2008	15.60	15.59	0.01	---	20.50	0.00	977.78	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
64S	984.48	7/2/2008	18.91	P	< 0.01	---	28.70	0.00	965.57	---	---
64S	984.48	7/8/2008	18.40	P	< 0.01	---	28.70	0.00	966.08	---	---
64S	984.48	7/15/2008	18.70	P	< 0.01	---	28.70	0.00	965.78	---	---
64S	984.48	7/23/2008	18.81	P	< 0.01	---	28.70	0.00	965.67	---	---
64S	984.48	7/30/2008	18.71	---	0.00	---	28.70	0.00	965.77	---	---
64S	984.48	8/5/2008	18.70	---	0.00	---	28.70	0.00	965.78	---	---
64S	984.48	8/13/2008	17.60	---	0.00	---	28.70	0.00	966.88	---	---
64S	984.48	8/20/2008	19.60	P	< 0.01	---	28.70	0.00	964.88	---	---
64S	984.48	8/27/2008	19.25	---	0.00	---	28.70	0.00	965.23	---	---
64S	984.48	9/3/2008	19.20	P	< 0.01	---	28.70	0.00	965.28	---	---
64S	984.48	9/8/2008	19.10	P	< 0.01	---	28.70	0.00	965.38	---	---
64S	984.48	9/17/2008	19.15	P	< 0.01	---	28.70	0.00	965.33	---	---
64S	984.48	9/23/2008	19.30	P	< 0.01	---	28.70	0.00	965.18	---	---
64S	984.48	10/1/2008	19.20	P	< 0.01	---	28.70	0.00	965.28	---	---
64S	984.48	10/7/2008	19.25	---	0.00	---	28.70	0.00	965.23	---	---
64S	984.48	10/14/2008	19.30	P	< 0.01	---	28.70	0.00	965.18	---	---
64S	984.48	10/21/2008	19.20	P	< 0.01	---	28.70	0.00	965.28	---	---
64S	984.48	10/28/2008	18.91	18.80	0.11	---	28.70	0.00	965.67	---	---
64S	984.48	11/4/2008	19.30	P	< 0.01	---	28.70	0.00	965.18	---	---
64S	984.48	11/11/2008	19.20	P	< 0.01	---	28.70	0.00	965.28	---	---
64S	984.48	11/18/2008	19.30	P	< 0.01	---	28.70	0.00	965.18	---	---
64S	984.48	11/25/2008	19.20	P	< 0.01	---	28.70	0.00	965.28	---	---
64S	984.48	12/2/2008	18.56	---	0.00	---	28.70	0.00	965.92	---	---
64S	984.48	12/9/2008	18.90	---	0.00	---	28.70	0.00	965.58	---	---
64S	984.48	12/16/2008	18.01	18.00	0.01	---	28.70	0.00	966.48	---	---
64S	984.48	12/24/2008	18.10	P	< 0.01	---	28.70	0.00	966.38	---	---
64S	984.48	12/30/2008	19.01	---	0.00	---	28.70	0.00	965.47	---	---
64S-Caisson	NA	7/2/2008	10.61	10.60	0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	7/8/2008	10.60	P	< 0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	7/15/2008	10.65	P	< 0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	7/23/2008	10.70	10.69	0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	7/30/2008	10.68	10.67	0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	8/5/2008	10.69	10.68	0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	8/13/2008	10.60	P	< 0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	8/20/2008	10.60	P	< 0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	8/27/2008	10.60	10.55	0.05	---	14.55	0.00	NA	---	---
64S-Caisson	NA	9/3/2008	10.90	10.88	0.02	---	14.55	0.00	NA	---	---
64S-Caisson	NA	9/8/2008	10.84	10.82	0.02	---	14.55	0.00	NA	---	---
64S-Caisson	NA	9/17/2008	10.60	P	< 0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	9/23/2008	10.60	P	< 0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	10/1/2008	10.58	10.57	0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	10/7/2008	10.55	10.54	0.01	---	14.55	0.00	NA	---	---

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64S-Caisson	NA	10/14/2008	10.60	10.59	0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	10/21/2008	10.70	10.60	0.10	---	14.55	0.00	NA	---	---
64S-Caisson	NA	10/28/2008	10.50	10.48	0.02	---	14.55	0.00	NA	---	---
64S-Caisson	NA	11/4/2008	10.80	10.78	0.02	---	14.55	0.00	NA	---	---
64S-Caisson	NA	11/11/2008	10.40	P	< 0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	11/18/2008	10.60	10.58	0.02	---	14.55	0.00	NA	---	---
64S-Caisson	NA	11/25/2008	10.61	10.59	0.02	---	14.55	0.00	NA	---	---
64S-Caisson	NA	12/2/2008	10.20	10.10	0.10	---	14.55	0.00	NA	---	---
64S-Caisson	NA	12/9/2008	10.21	10.17	0.04	---	14.55	0.00	NA	---	---
64S-Caisson	NA	12/16/2008	10.60	10.58	0.02	---	14.55	0.00	NA	---	---
64S-Caisson	NA	12/24/2008	10.21	10.20	0.01	---	14.55	0.00	NA	---	---
64S-Caisson	NA	12/30/2008	10.20	10.16	0.04	---	14.55	0.00	NA	---	---
64V	987.29	7/2/2008	20.60	19.90	0.70	P	29.60	< 0.01	967.34	---	---
64V	987.29	7/8/2008	20.40	19.40	1.00	29.51	29.60	0.09	967.82	---	---
64V	987.29	7/15/2008	20.90	20.30	0.60	29.50	29.60	0.10	966.95	---	---
64V	987.29	7/23/2008	21.10	20.51	0.59	29.50	29.60	0.10	966.74	---	---
64V	987.29	7/30/2008	21.21	20.75	0.46	P	29.60	< 0.01	966.51	---	18.92
64V	987.29	8/5/2008	21.91	21.01	0.90	P	29.60	< 0.01	966.22	---	---
64V	987.29	8/13/2008	21.20	20.60	0.60	P	29.60	< 0.01	966.65	---	---
64V	987.29	8/20/2008	20.60	20.20	0.40	P	29.60	< 0.01	967.06	---	---
64V	987.29	8/27/2008	20.80	20.26	0.54	---	29.60	0.00	966.99	---	---
64V	987.29	9/3/2008	20.65	20.07	0.58	P	29.60	< 0.01	967.18	---	---
64V	987.29	9/8/2008	20.76	20.10	0.66	P	29.60	< 0.01	967.14	---	---
64V	987.29	9/17/2008	21.61	20.90	0.71	P	29.60	< 0.01	966.34	---	---
64V	987.29	9/23/2008	21.50	20.90	0.60	P	29.60	< 0.01	966.35	---	---
64V	987.29	10/1/2008	21.20	20.70	0.50	P	29.60	< 0.01	966.56	---	---
64V	987.29	10/7/2008	21.20	20.60	0.60	P	29.60	< 0.01	966.65	---	---
64V	987.29	10/14/2008	20.80	20.30	0.50	29.50	29.60	0.10	966.96	---	---
64V	987.29	10/21/2008	20.30	19.90	0.40	P	29.60	< 0.01	967.36	---	---
64V	987.29	10/28/2008	20.10	19.71	0.39	P	29.60	< 0.01	967.55	---	---
64V	987.29	11/4/2008	21.60	21.10	0.50	P	29.60	< 0.01	966.16	---	---
64V	987.29	11/11/2008	21.20	20.80	0.40	P	29.60	< 0.01	966.46	---	---
64V	987.29	11/18/2008	22.10	21.60	0.50	P	29.60	< 0.01	965.66	---	---
64V	987.29	11/25/2008	22.80	22.10	0.70	P	29.60	< 0.01	965.14	---	---
64V	987.29	12/2/2008	20.60	20.10	0.50	P	29.60	< 0.01	967.16	---	---
64V	987.29	12/9/2008	20.70	20.30	0.40	P	29.60	< 0.01	966.96	---	---
64V	987.29	12/16/2008	21.05	20.50	0.55	P	29.60	< 0.01	966.75	---	---
64V	987.29	12/24/2008	21.25	20.60	0.65	P	29.60	< 0.01	966.64	---	---
64V	987.29	12/30/2008	21.16	20.76	0.40	P	29.60	< 0.01	966.50	---	---
64X(N)	984.83	7/2/2008	11.60	11.59	0.01	---	15.85	0.00	973.24	---	---
64X(N)	984.83	7/8/2008	12.11	12.10	0.01	---	15.85	0.00	972.73	---	---
64X(N)	984.83	7/15/2008	12.10	12.09	0.01	---	15.85	0.00	972.74	---	---

Table E-2
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 2 - South

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
64X(N)	984.83	7/23/2008	12.07	12.06	0.01	---	15.85	0.00	972.77	---	---
64X(N)	984.83	7/30/2008	10.84	10.83	0.01	---	15.85	0.00	974.00	---	---
64X(N)	984.83	8/5/2008	11.58	11.57	0.01	---	15.85	0.00	973.26	---	---
64X(N)	984.83	8/13/2008	11.30	11.29	0.01	---	15.85	0.00	973.54	---	---
64X(N)	984.83	8/20/2008	11.89	11.88	0.01	---	15.85	0.00	972.95	---	---
64X(N)	984.83	8/27/2008	12.10	12.09	0.01	---	15.85	0.00	972.74	---	---
64X(N)	984.83	9/3/2008	12.05	12.04	0.01	---	15.85	0.00	972.79	---	---
64X(N)	984.83	9/8/2008	12.10	12.09	0.01	---	15.85	0.00	972.74	---	---
64X(N)	984.83	9/17/2008	12.00	11.99	0.01	---	15.85	0.00	972.84	---	---
64X(N)	984.83	9/23/2008	12.25	12.24	0.01	---	15.85	0.00	972.59	---	---
64X(N)	984.83	10/1/2008	11.91	11.90	0.01	---	15.85	0.00	972.93	---	---
64X(N)	984.83	10/7/2008	12.19	12.18	0.01	---	15.85	0.00	972.65	---	---
64X(N)	984.83	10/14/2008	12.30	12.29	0.01	---	15.85	0.00	972.54	---	---
64X(N)	984.83	10/21/2008	12.40	12.39	0.01	---	15.85	0.00	972.44	---	---
64X(N)	984.83	10/28/2008	12.31	12.30	0.01	---	15.85	0.00	972.53	---	---
64X(N)	984.83	11/4/2008	11.20	P	< 0.01	---	15.85	0.00	973.63	---	---
64X(N)	984.83	11/11/2008	11.63	11.62	0.01	---	15.85	0.00	973.21	---	---
64X(N)	984.83	11/18/2008	11.48	11.47	0.01	---	15.85	0.00	973.36	---	---
64X(N)	984.83	11/25/2008	11.59	11.58	0.01	---	15.85	0.00	973.25	---	---
64X(N)	984.83	12/2/2008	11.15	11.14	0.01	---	15.85	0.00	973.69	---	---
64X(N)	984.83	12/9/2008	11.17	11.16	0.01	---	15.85	0.00	973.67	---	---
64X(N)	984.83	12/16/2008	10.50	10.49	0.01	---	15.85	0.00	974.34	---	---
64X(N)	984.83	12/24/2008	10.80	10.79	0.01	---	15.85	0.00	974.04	---	---
64X(N)	984.83	12/30/2008	10.60	10.59	0.01	---	15.85	0.00	974.24	---	---
64X(S)	981.56	7/2/2008	15.02	15.00	0.02	---	23.82	0.00	966.56	---	---
64X(S)	981.56	7/8/2008	15.30	15.28	0.02	---	23.82	0.00	966.28	---	---
64X(S)	981.56	7/15/2008	15.30	15.26	0.04	---	23.82	0.00	966.30	---	---
64X(S)	981.56	7/23/2008	14.81	14.80	0.01	---	23.82	0.00	966.76	---	---
64X(S)	981.56	7/30/2008	13.75	13.74	0.01	---	23.82	0.00	967.82	---	---
64X(S)	981.56	8/5/2008	14.50	14.48	0.02	---	23.82	0.00	967.08	---	---
64X(S)	981.56	8/13/2008	14.10	14.07	0.03	---	23.82	0.00	967.49	---	---
64X(S)	981.56	8/20/2008	14.90	14.89	0.01	---	23.82	0.00	966.67	---	---
64X(S)	981.56	8/27/2008	15.30	15.20	0.10	---	23.82	0.00	966.35	---	---
64X(S)	981.56	9/3/2008	15.47	15.39	0.08	---	23.82	0.00	966.16	---	---
64X(S)	981.56	9/8/2008	15.30	15.25	0.05	---	23.82	0.00	966.31	---	---
64X(S)	981.56	9/17/2008	15.30	15.20	0.10	---	23.82	0.00	966.35	---	---
64X(S)	981.56	9/23/2008	16.71	16.61	0.10	---	23.82	0.00	964.94	---	---
64X(S)	981.56	10/1/2008	16.50	16.40	0.10	---	23.82	0.00	965.15	---	---
64X(S)	981.56	10/7/2008	15.60	15.50	0.10	---	23.82	0.00	966.05	---	---
64X(S)	981.56	10/14/2008	16.75	16.66	0.09	---	23.82	0.00	964.89	---	---
64X(S)	981.56	10/21/2008	15.90	15.81	0.09	---	23.82	0.00	965.74	---	---
64X(S)	981.56	10/28/2008	15.70	15.60	0.10	---	23.82	0.00	965.95	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
64X(S)	981.56	11/4/2008	14.05	14.00	0.05	---	23.82	0.00	967.56	---	---
64X(S)	981.56	11/11/2008	14.90	14.86	0.04	---	23.82	0.00	966.70	---	---
64X(S)	981.56	11/18/2008	14.78	14.76	0.02	---	23.82	0.00	966.80	---	---
64X(S)	981.56	11/25/2008	14.90	14.89	0.01	---	23.82	0.00	966.67	---	---
64X(S)	981.56	12/2/2008	14.10	14.08	0.02	---	23.82	0.00	967.48	---	---
64X(S)	981.56	12/9/2008	14.11	14.09	0.02	---	23.82	0.00	967.47	---	---
64X(S)	981.56	12/16/2008	13.50	13.44	0.06	---	23.82	0.00	968.12	---	---
64X(S)	981.56	12/24/2008	13.71	13.65	0.06	---	23.82	0.00	967.91	---	---
64X(S)	981.56	12/30/2008	13.41	13.36	0.05	---	23.82	0.00	968.20	---	---
64X(W)	984.87	7/2/2008	18.30	18.28	0.02	---	24.35	0.00	966.59	---	---
64X(W)	984.87	7/8/2008	18.40	18.38	0.02	---	24.35	0.00	966.49	---	---
64X(W)	984.87	7/15/2008	18.30	18.29	0.01	---	24.35	0.00	966.58	---	---
64X(W)	984.87	7/23/2008	18.03	18.00	0.03	---	24.35	0.00	966.87	---	---
64X(W)	984.87	7/30/2008	18.02	18.00	0.02	---	24.35	0.00	966.87	---	---
64X(W)	984.87	8/5/2008	17.80	17.76	0.04	---	24.35	0.00	967.11	---	---
64X(W)	984.87	8/13/2008	17.25	17.24	0.01	---	24.35	0.00	967.63	---	---
64X(W)	984.87	8/20/2008	18.15	18.13	0.02	---	24.35	0.00	966.74	---	---
64X(W)	984.87	8/27/2008	18.50	18.49	0.01	---	24.35	0.00	966.38	---	---
64X(W)	984.87	9/3/2008	18.47	18.46	0.01	---	24.35	0.00	966.41	---	---
64X(W)	984.87	9/8/2008	18.29	18.28	0.01	---	24.35	0.00	966.59	---	---
64X(W)	984.87	9/17/2008	18.40	18.38	0.02	---	24.35	0.00	966.49	---	---
64X(W)	984.87	9/23/2008	18.71	18.70	0.01	---	24.35	0.00	966.17	---	---
64X(W)	984.87	10/1/2008	18.68	18.67	0.01	---	24.35	0.00	966.20	---	---
64X(W)	984.87	10/7/2008	18.70	18.69	0.01	---	24.35	0.00	966.18	---	---
64X(W)	984.87	10/14/2008	18.90	18.89	0.01	---	24.35	0.00	965.98	---	---
64X(W)	984.87	10/21/2008	19.08	19.06	0.02	---	24.35	0.00	965.81	---	---
64X(W)	984.87	10/28/2008	18.65	18.64	0.01	---	24.35	0.00	966.23	---	---
64X(W)	984.87	11/4/2008	17.59	17.53	0.06	---	24.35	0.00	967.34	---	---
64X(W)	984.87	11/11/2008	18.25	18.22	0.03	---	24.35	0.00	966.65	---	---
64X(W)	984.87	11/18/2008	18.21	18.20	0.01	---	24.35	0.00	966.67	---	---
64X(W)	984.87	11/25/2008	18.20	18.16	0.04	---	24.35	0.00	966.71	---	---
64X(W)	984.87	12/2/2008	17.50	17.46	0.04	---	24.35	0.00	967.41	---	---
64X(W)	984.87	12/9/2008	17.90	17.87	0.03	---	24.35	0.00	967.00	---	---
64X(W)	984.87	12/16/2008	15.90	15.84	0.06	---	24.35	0.00	969.03	---	---
64X(W)	984.87	12/24/2008	16.60	16.58	0.02	---	24.35	0.00	968.29	---	---
64X(W)	984.87	12/30/2008	16.80	16.76	0.04	---	24.35	0.00	968.11	---	---
95-01	983.77	7/28/2008	9.68	---	0.00	---	16.90	0.00	974.09	---	---
95-01	983.77	8/18/2008	10.26	---	0.00	---	16.85	0.00	973.51	---	---
95-01	983.77	9/16/2008	10.60	---	0.00	---	16.86	0.00	973.17	---	---
95-01	983.77	10/28/2008	10.31	---	0.00	---	16.80	0.00	973.46	---	---
95-01**	983.49	11/17/2008	10.11	---	0.00	---	16.90	0.00	973.66	---	---
95-01**	983.49	12/30/2008	8.35	---	0.00	---	16.60	0.00	975.14	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
95-04R	988.36	7/28/2008	14.01	13.06	0.95	---	21.96	0.00	975.23	2.35	---
95-04R	988.36	8/18/2008	14.70	13.67	1.03	---	21.98	0.00	974.62	2.40	---
95-04R	988.36	9/22/2008	15.24	14.15	1.09	---	21.94	0.00	974.13	2.69	---
95-04R	988.36	10/27/2008	14.10	13.90	0.20	---	21.93	0.00	974.45	---	---
95-04R	988.36	11/17/2008	14.51	13.55	0.96	---	21.94	0.00	974.74	2.37	---
95-04R	988.36	12/31/2008	13.78	11.12	2.66	---	21.93	0.00	977.05	6.57	---
95-05	989.45	9/22/2008	16.73	16.10	0.63	---	20.07	0.00	973.31	0.39	---
95-05	989.45	10/27/2008	16.00	15.62	0.38	---	20.08	0.00	973.80	---	---
95-07R	994.56	9/22/2008	19.00	---	0.00	---	26.05	0.00	975.56	---	---
95-07R	994.56	10/27/2008	19.91	---	0.00	---	26.25	0.00	974.65	---	---
95-25	988.20	9/23/2008	14.40	---	0.00	---	20.43	0.00	973.80	---	---
95-25	988.20	10/16/2008	14.43	---	0.00	---	20.61	0.00	973.77	---	---
95-25	988.20	10/28/2008	17.45	---	0.00	---	20.37	0.00	970.75	---	---
E2SC-03I*	982.12	7/29/2008	8.43	---	0.00	39.47	42.23	2.76	973.69	---	1.70
E2SC-03I*	982.12	8/19/2008	9.70	---	0.00	39.00	42.22	3.22	972.42	---	1.99
E2SC-03I*	982.12	9/23/2008	9.98	---	0.00	38.73	42.23	3.50	972.14	---	2.16
E2SC-03I*	982.12	10/27/2008	8.64	---	0.00	40.05	42.20	2.15	973.48	---	---
E2SC-03I*	982.12	11/18/2008	9.14	---	0.00	39.04	42.20	3.16	972.98	---	1.95
E2SC-03I*	982.12	12/30/2008	7.40	---	0.00	39.25	42.20	2.95	974.72	---	1.82
E2SC-17	985.38	10/27/2008	11.20	---	0.00	---	45.70	0.00	974.18	---	---
E2SC-21	981.70	10/27/2008	Dry at 8.25 feet			---	8.25	NA	NA	---	---
E2SC-23	992.07	7/28/2008	16.70	---	0.00	---	21.15	0.00	975.37	---	---
E2SC-23	992.07	8/18/2008	17.05	---	0.00	---	21.15	0.00	975.02	---	---
E2SC-23	992.07	9/16/2008	17.35	---	0.00	---	21.15	0.00	974.72	---	---
E2SC-23	992.07	10/27/2008	17.60	---	0.00	---	21.15	0.00	974.47	---	---
E2SC-23	992.07	11/17/2008	16.85	---	0.00	---	21.14	0.00	975.22	---	---
E2SC-23	992.07	12/31/2008	15.20	---	0.00	---	21.19	0.00	976.87	---	---
E2SC-24	987.90	7/28/2008	14.00	---	0.00	---	21.60	0.00	973.90	---	---
E2SC-24	987.90	8/18/2008	15.55	---	0.00	---	21.61	0.00	972.35	---	---
E2SC-24	987.90	9/16/2008	15.52	---	0.00	---	21.61	0.00	972.38	---	---
E2SC-24	987.90	10/27/2008	14.50	---	0.00	---	21.61	0.00	973.40	---	---
E2SC-24	987.90	11/17/2008	15.00	---	0.00	---	21.61	0.00	972.90	---	---
E2SC-24	987.90	12/31/2008	13.85	---	0.00	---	21.60	0.00	974.05	---	---
3-6C-EB-14	984.20	10/28/2008	10.89	---	0.00	---	21.52	0.00	973.31	---	---
3-6C-EB-22	986.94	7/28/2008	12.66	---	0.00	---	20.02	0.00	974.28	---	---
3-6C-EB-22	986.94	8/18/2008	14.02	---	0.00	---	20.02	0.00	972.92	---	---
3-6C-EB-22	986.94	9/16/2008	14.05	---	0.00	---	22.01	0.00	972.89	---	---
3-6C-EB-22	986.94	10/28/2008	13.59	---	0.00	---	20.01	0.00	973.35	---	---
3-6C-EB-22	986.94	11/17/2008	13.67	---	0.00	---	20.01	0.00	973.27	---	---
3-6C-EB-22	986.94	12/30/2008	12.12	---	0.00	---	20.00	0.00	974.82	---	---
3-6C-EB-25	986.31	10/28/2008	12.63	---	0.00	---	25.04	0.00	973.68	---	---
3-6C-EB-25**	985.84	11/19/2008	12.65	P	< 0.01	---	24.78	0.00	973.66	---	---

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3-6C-EB-28	985.79	10/28/2008	12.31	---	0.00	---	24.51	0.00	973.48	---	---
ES2-01	985.36	10/27/2008	11.25	---	0.00	---	34.18	0.00	974.11	---	---
ES2-02A	979.63	9/26/2008	7.51	---	0.00	---	17.60	0.00	972.12	---	---
ES2-02A	979.63	10/27/2008	6.50	---	0.00	---	17.54	0.00	973.13	---	---
ES2-05	990.65	10/27/2008	16.85	---	0.00	---	24.62	0.00	973.80	---	---
ES2-06	986.00	9/22/2008	13.25	---	0.00	---	34.60	0.00	972.75	---	---
ES2-06	986.00	10/27/2008	11.95	---	0.00	---	34.50	0.00	974.05	---	---
ES2-08	994.87	10/27/2008	21.40	---	0.00	---	24.75	0.00	973.47	---	---
ES2-10	991.55	10/27/2008	14.52	P	< 0.01	---	19.77	0.00	977.03	---	---
ES2-11	985.05	10/27/2008	11.18	---	0.00	---	19.55	0.00	973.87	---	---
ES2-14	985.93	11/26/2008	12.22	12.21	0.01	---	21.47	0.00	973.72	---	---
ES2-15R***	986.20	12/22/2008	11.27	11.14	0.13	---	19.42	0.00	975.05	---	---
ES2-16	986.88	10/27/2008	10.71	---	0.00	---	17.34	0.00	976.17	---	---
ES2-17R***	986.01	12/22/2008	11.22	---	0.00	21.13	21.16	0.03	974.79	---	---
ES2-18	986.86	10/28/2008	15.52	---	0.00	---	21.40	0.00	971.34	---	---
GMA1-13	991.41	10/27/2008	17.91	---	0.00	---	27.10	0.00	973.50	---	---
GMA1-14	997.43	7/2/2008	17.83	---	0.00	---	22.80	0.00	979.60	---	---
GMA1-14	997.43	7/8/2008	18.10	---	0.00	---	22.80	0.00	979.33	---	---
GMA1-14	997.43	7/15/2008	18.31	18.30	0.01	---	22.80	0.00	979.13	0.01	---
GMA1-14	997.43	7/22/2008	18.55	---	0.00	---	22.80	0.00	978.88	---	---
GMA1-14	997.43	7/28/2008	17.60	---	0.00	---	22.80	0.00	979.83	---	---
GMA1-14	997.43	8/6/2008	17.54	17.53	0.01	---	22.80	0.00	979.90	0.01	---
GMA1-14	997.43	8/13/2008	17.70	---	0.00	---	22.78	0.00	979.73	---	---
GMA1-14	997.43	8/18/2008	17.82	---	0.00	---	22.80	0.00	979.61	---	---
GMA1-14	997.43	9/3/2008	18.57	---	0.00	---	22.80	0.00	978.86	---	---
GMA1-14	997.43	9/10/2008	18.46	---	0.00	---	22.80	0.00	978.97	---	---
GMA1-14	997.43	9/17/2008	18.55	18.50	0.05	---	22.79	0.00	978.93	0.03	---
GMA1-14	997.43	9/22/2008	18.69	18.68	0.01	---	22.80	0.00	978.75	0.01	---
GMA1-14	997.43	10/1/2008	18.77	18.75	0.02	---	22.80	0.00	978.68	0.01	---
GMA1-14	997.43	10/8/2008	18.80	---	0.00	---	22.80	0.00	978.63	---	---
GMA1-14	997.43	10/15/2008	19.07	19.05	0.02	---	22.80	0.00	978.38	0.01	---
GMA1-14	997.43	10/22/2008	19.23	19.22	0.01	---	22.78	0.00	978.21	0.01	---
GMA1-14	997.43	10/27/2008	19.04	---	0.00	---	23.87	0.00	978.39	---	---
GMA1-14	997.43	11/5/2008	18.35	---	0.00	---	22.79	0.00	979.08	---	---
GMA1-14	997.43	11/12/2008	18.32	---	0.00	---	22.75	0.00	979.11	---	---
GMA1-14	997.43	11/17/2008	18.30	---	0.00	---	22.75	0.00	979.13	---	---
GMA1-14	997.43	11/26/2008	18.30	---	0.00	---	22.73	0.00	979.13	---	---
GMA1-14	997.43	12/3/2008	18.24	---	0.00	---	22.74	0.00	979.19	---	---
GMA1-14	997.43	12/10/2008	18.20	---	0.00	---	22.74	0.00	979.23	---	---
GMA1-14	997.43	12/17/2008	16.38	---	0.00	---	22.74	0.00	981.05	---	---
GMA1-14	997.43	12/24/2008	16.35	---	0.00	---	22.74	0.00	981.08	---	---
GMA1-14	997.43	12/31/2008	15.28	---	0.00	---	22.80	0.00	982.15	---	---

Table E-2
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 2 - South

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
GMA1-14	997.43	8/272008	18.25	---	0.00	---	22.80	0.00	979.18	---	---
GMA1-15	988.59	7/2/2008	15.70	15.20	0.50	---	17.80	0.00	973.36	0.31	---
GMA1-15	988.59	7/8/2008	16.12	15.43	0.69	---	17.78	0.00	973.11	0.43	---
GMA1-15	988.59	7/15/2008	16.40	15.60	0.80	---	17.80	0.00	972.93	0.49	---
GMA1-15	988.59	7/22/2008	16.49	15.71	0.78	---	17.78	0.00	972.83	0.48	---
GMA1-15	988.59	7/28/2008	15.05	14.35	0.70	---	17.80	0.00	974.19	0.43	---
GMA1-15	988.59	8/6/2008	15.53	15.06	0.47	---	17.78	0.00	973.50	0.29	---
GMA1-15	988.59	8/13/2008	15.68	15.03	0.65	---	17.78	0.00	973.51	0.40	---
GMA1-15	988.59	8/18/2008	16.05	15.30	0.75	---	17.78	0.00	973.24	0.46	---
GMA1-15	988.59	8/27/2008	16.40	15.68	0.72	---	17.78	0.00	972.86	0.44	---
GMA1-15	988.59	9/3/2008	16.72	15.90	0.82	---	17.78	0.00	972.63	0.51	---
GMA1-15	988.59	9/10/2008	15.90	15.41	0.49	---	17.78	0.00	973.15	0.30	---
GMA1-15	988.59	9/17/2008	16.10	15.53	0.57	---	17.78	0.00	973.02	0.35	---
GMA1-15	988.59	9/22/2008	16.60	15.72	0.88	---	17.78	0.00	972.81	0.54	---
GMA1-15	988.59	10/1/2008	16.02	15.48	0.54	---	17.78	0.00	973.07	0.33	---
GMA1-15	988.59	10/8/2008	16.40	15.65	0.75	---	17.78	0.00	972.89	0.46	---
GMA1-15	988.59	10/15/2008	16.60	15.75	0.85	---	17.80	0.00	972.78	0.52	---
GMA1-15	988.59	10/22/2008	16.90	15.85	1.05	---	17.78	0.00	972.67	0.65	---
GMA1-15	988.59	10/27/2008	15.93	15.20	0.73	---	17.78	0.00	973.34	0.45	---
GMA1-15	988.59	11/5/2008	15.40	14.86	0.54	---	17.78	0.00	973.69	0.33	---
GMA1-15	988.59	11/12/2008	15.70	15.20	0.50	---	17.78	0.00	973.36	0.31	---
GMA1-15	988.59	11/17/2008	15.68	15.08	0.60	---	17.80	0.00	973.47	0.37	---
GMA1-15	988.59	11/26/2008	15.71	15.05	0.66	---	17.78	0.00	973.49	0.41	---
GMA1-15	988.59	12/3/2008	15.58	14.95	0.63	---	17.78	0.00	973.60	0.39	---
GMA1-15	988.59	12/10/2008	15.70	15.00	0.70	---	17.78	0.00	973.54	0.43	---
GMA1-15	988.59	12/17/2008	14.35	13.20	1.15	---	17.78	0.00	975.31	0.71	---
GMA1-15	988.59	12/24/2008	14.70	14.10	0.60	---	17.78	0.00	974.45	0.37	---
GMA1-15	988.59	12/31/2008	13.98	13.11	0.87	---	17.78	0.00	975.42	0.54	---
GMA1-16	986.82	7/2/2008	12.81	12.80	0.01	---	19.94	0.00	974.02	0.01	---
GMA1-16	986.82	7/8/2008	12.88	12.87	0.01	---	19.92	0.00	973.95	0.01	---
GMA1-16	986.82	7/15/2008	13.40	13.17	0.23	---	19.93	0.00	973.63	0.14	---
GMA1-16	986.82	7/22/2008	13.30	13.25	0.05	---	19.94	0.00	973.57	0.03	---
GMA1-16	986.82	7/28/2008	12.40	---	0.00	---	19.94	0.00	974.42	---	---
GMA1-16	986.82	8/6/2008	12.46	12.45	0.01	---	19.94	0.00	974.37	0.01	---
GMA1-16	986.82	8/13/2008	12.59	12.56	0.03	---	19.94	0.00	974.26	0.02	---
GMA1-16	986.82	8/18/2008	12.68	12.67	0.01	---	19.93	0.00	974.15	0.01	---
GMA1-16	986.82	8/27/2008	13.14	13.10	0.04	---	19.93	0.00	973.72	0.03	---
GMA1-16	986.82	9/3/2008	13.32	13.26	0.06	---	19.94	0.00	973.56	0.04	---
GMA1-16	986.82	9/10/2008	13.28	13.27	0.01	---	19.94	0.00	973.55	0.01	---
GMA1-16	986.82	9/17/2008	13.27	13.24	0.03	---	19.94	0.00	973.58	0.02	---
GMA1-16	986.82	9/22/2008	13.45	13.40	0.05	---	19.93	0.00	973.42	0.03	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
GMA1-16	986.82	10/1/2008	13.10	13.09	0.01	---	19.93	0.00	973.73	0.01	---
GMA1-16	986.82	10/8/2008	13.33	13.32	0.01	---	19.92	0.00	973.50	0.01	---
GMA1-16	986.82	10/15/2008	13.37	13.35	0.02	---	19.90	0.00	973.47	0.01	---
GMA1-16	986.82	10/22/2008	13.80	13.65	0.15	---	19.91	0.00	973.16	0.09	---
GMA1-16	986.82	10/27/2008	13.21	13.20	0.01	---	19.90	0.00	973.62	0.01	---
GMA1-16	986.82	11/5/2008	12.58	---	0.00	---	19.90	0.00	974.24	---	---
GMA1-16	986.82	11/12/2008	12.81	12.80	0.01	---	19.90	0.00	974.02	0.01	---
GMA1-16	986.82	11/17/2008	12.84	12.83	0.01	---	19.90	0.00	973.99	0.01	---
GMA1-16	986.82	11/26/2008	12.76	12.73	0.03	---	19.92	0.00	974.09	0.02	---
GMA1-16	986.82	12/3/2008	12.60	---	0.00	---	19.90	0.00	974.22	---	---
GMA1-16	986.82	12/10/2008	12.38	---	0.00	---	19.90	0.00	974.44	---	---
GMA1-16	986.82	12/17/2008	11.00	---	0.00	---	19.91	0.00	975.82	---	---
GMA1-16	986.82	12/24/2008	11.58	---	0.00	---	19.91	0.00	975.24	---	---
GMA1-16	986.82	12/31/2008	10.80	---	0.00	---	19.90	0.00	976.02	---	---
GMA1-17E	993.03	7/28/2008	14.52	---	0.00	---	17.30	0.00	978.51	---	---
GMA1-17E	993.03	8/18/2008	14.62	---	0.00	---	17.27	0.00	978.41	---	---
GMA1-17E	993.03	9/22/2008	15.05	---	0.00	---	17.30	0.00	977.98	---	---
GMA1-17E	993.03	10/27/2008	15.64	P	< 0.01	---	17.37	0.00	977.39	---	---
GMA1-17E	993.03	11/17/2008	14.95	---	0.00	---	17.30	0.00	978.08	---	---
GMA1-17E	993.03	12/30/2008	12.66	---	0.00	---	17.30	0.00	980.37	---	---
GMA1-17W	992.63	7/2/2008	17.30	17.29	0.01	---	NM	0.00	975.34	---	---
GMA1-17W	992.63	7/8/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	7/15/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	7/23/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	7/30/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	8/5/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	8/13/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	8/20/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	8/27/2008	17.70	17.69	0.01	NM	NM	NM	NA	---	---
GMA1-17W	992.63	9/3/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	9/8/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	9/17/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	9/23/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	10/1/2008	18.10	18.09	0.01	---	NM	0.00	974.54	---	---
GMA1-17W	992.63	10/7/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	10/14/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	10/21/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	10/28/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	11/4/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	11/11/2008	17.80	17.57	NM	NM	NM	NM	974.83	---	---
GMA1-17W	992.63	11/18/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	11/25/2008	NM	NM	NM	NM	NM	NM	NA	---	---

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GMA1-17W	992.63	12/2/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	12/9/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	12/16/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	12/24/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-17W	992.63	12/30/2008	NM	NM	NM	NM	NM	NM	NA	---	---
GMA1-19	984.28	7/2/2008	11.38	11.03	0.35	---	17.14	0.00	973.23	0.22	---
GMA1-19	984.28	7/8/2008	12.71	11.20	1.51	---	17.14	0.00	972.97	0.93	---
GMA1-19	984.28	7/15/2008	12.80	11.4	1.4	---	17.14	0.00	972.78	0.86	---
GMA1-19	984.28	7/22/2008	12.98	11.43	1.55	---	17.14	0.00	972.74	0.96	---
GMA1-19	984.28	7/28/2008	10.21	---	0.00	---	17.14	0.00	974.07	---	---
GMA1-19	984.28	8/6/2008	11.11	11.03	0.08	---	17.14	0.00	973.24	0.05	---
GMA1-19	984.28	8/13/2008	11.20	10.83	0.37	---	17.14	0.00	973.42	0.23	---
GMA1-19	984.28	8/18/2008	11.58	11.16	0.42	---	17.14	0.00	973.09	0.26	---
GMA1-19	984.28	8/27/2008	12.60	11.50	1.10	---	17.14	0.00	972.70	0.69	---
GMA1-19	984.28	9/3/2008	13.10	11.70	1.40	---	17.14	0.00	972.48	0.86	---
GMA1-19	984.28	9/10/2008	11.56	11.14	0.42	---	17.14	0.00	973.11	0.26	---
GMA1-19	984.28	9/17/2008	12.10	11.45	0.65	---	17.14	0.00	972.78	0.40	---
GMA1-19	984.28	9/22/2008	12.45	11.60	0.85	---	17.14	0.00	972.62	0.52	---
GMA1-19	984.28	10/1/2008	12.20	11.30	0.90	---	17.14	0.00	972.92	0.56	---
GMA1-19	984.28	10/8/2008	12.45	11.43	1.02	---	17.14	0.00	972.78	0.63	---
GMA1-19	984.28	10/15/2008	12.50	11.58	0.92	---	17.14	0.00	972.64	0.57	---
GMA1-19	984.28	10/22/2008	12.94	11.70	1.24	---	17.14	0.00	972.49	0.77	---
GMA1-19	984.28	10/27/2008	11.68	10.97	0.71	---	17.14	0.00	973.26	0.44	---
GMA1-19	984.28	11/5/2008	10.84	10.80	0.04	---	17.14	0.00	973.48	0.03	---
GMA1-19	984.28	11/12/2008	11.10	11.00	0.10	---	17.14	0.00	973.27	0.01	---
GMA1-19	984.28	11/17/2008	11.25	11.02	0.23	---	17.14	0.00	973.24	0.14	---
GMA1-19	984.28	11/26/2008	11.53	10.90	0.63	---	17.14	0.00	973.34	0.39	---
GMA1-19	984.28	12/3/2008	11.05	10.80	0.25	---	17.14	0.00	973.46	0.15	---
GMA1-19	984.28	12/10/2008	11.10	10.90	0.20	---	17.14	0.00	973.37	0.12	---
GMA1-19	984.28	12/17/2008	9.20	---	0.00	---	17.14	0.00	975.08	---	---
GMA1-19	984.28	12/24/2008	10.80	10.00	0.80	---	17.14	0.00	974.22	0.49	---
GMA1-19	984.28	12/30/2008	9.92	8.98	0.94	---	17.14	0.00	975.23	0.58	---
GMA1-20	983.49	7/2/2008	10.60	---	0.00	---	17.30	0.00	972.89	---	---
GMA1-20	983.49	7/8/2008	10.84	---	0.00	---	17.30	0.00	972.65	---	---
GMA1-20	983.49	7/15/2008	10.98	---	0.00	---	17.30	0.00	972.51	---	---
GMA1-20	983.49	7/22/2008	11.06	---	0.00	---	17.28	0.00	972.43	---	---
GMA1-20	983.49	7/28/2008	9.65	---	0.00	---	17.30	0.00	973.84	---	---
GMA1-20	983.49	8/6/2008	10.52	---	0.00	---	17.30	0.00	972.97	---	---
GMA1-20	983.49	8/13/2008	10.30	---	0.00	---	17.30	0.00	973.19	---	---
GMA1-20	983.49	8/18/2008	10.73	---	0.00	---	17.30	0.00	972.76	---	---
GMA1-20	983.49	8/27/2008	11.14	---	0.00	---	17.30	0.00	972.35	---	---
GMA1-20	983.49	9/3/2008	11.25	---	0.00	---	17.30	0.00	972.24	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
GMA1-20	983.49	9/10/2008	10.56	---	0.00	---	17.30	0.00	972.93	---	---
GMA1-20	983.49	9/16/2008	10.90	---	0.00	---	17.30	0.00	972.59	---	---
GMA1-20	983.49	9/26/2008	11.15	---	0.00	---	17.30	0.00	972.34	---	---
GMA1-20	983.49	10/1/2008	10.80	---	0.00	---	17.30	0.00	972.69	---	---
GMA1-20	983.49	10/8/2008	11.03	---	0.00	---	17.29	0.00	972.46	---	---
GMA1-20	983.49	10/15/2008	11.20	---	0.00	---	17.30	0.00	972.29	---	---
GMA1-20	983.49	10/22/2008	11.22	---	0.00	---	17.30	0.00	972.27	---	---
GMA1-20	983.49	10/27/2008	10.30	---	0.00	---	17.21	0.00	973.19	---	---
GMA1-20	983.49	11/5/2008	10.30	---	0.00	---	17.30	0.00	973.19	---	---
GMA1-20	983.49	11/12/2008	10.52	---	0.00	---	17.30	0.00	972.97	---	---
GMA1-20	983.49	11/17/2008	10.40	---	0.00	---	17.30	0.00	973.09	---	---
GMA1-20	983.49	11/26/2008	10.30	---	0.00	---	17.30	0.00	973.19	---	---
GMA1-20	983.49	12/3/2008	10.25	---	0.00	---	17.30	0.00	973.24	---	---
GMA1-20	983.49	12/10/2008	10.28	---	0.00	---	17.30	0.00	973.21	---	---
GMA1-20	983.49	12/17/2008	8.80	---	0.00	---	17.30	0.00	974.69	---	---
GMA1-20	983.49	12/24/2008	9.73	---	0.00	---	17.30	0.00	973.76	---	---
GMA1-20	983.49	12/30/2008	8.60	---	0.00	---	17.30	0.00	974.89	---	---
GMA1-21	985.68	7/2/2008	12.68	---	0.00	---	19.36	0.00	973.00	---	---
GMA1-21	985.68	7/8/2008	12.94	---	0.00	---	19.35	0.00	972.74	---	---
GMA1-21	985.68	7/15/2008	13.06	---	0.00	---	19.34	0.00	972.62	---	---
GMA1-21	985.68	7/22/2008	13.14	---	0.00	---	19.30	0.00	972.54	---	---
GMA1-21	985.68	7/28/2008	11.80	---	0.00	---	19.32	0.00	973.88	---	---
GMA1-21	985.68	8/6/2008	12.55	---	0.00	---	19.31	0.00	973.13	---	---
GMA1-21	985.68	8/13/2008	12.43	---	0.00	---	19.35	0.00	973.25	---	---
GMA1-21	985.68	8/18/2008	12.80	---	0.00	---	19.34	0.00	972.88	---	---
GMA1-21	985.68	8/27/2008	13.25	---	0.00	---	19.34	0.00	972.43	---	---
GMA1-21	985.68	9/3/2008	13.32	---	0.00	---	19.35	0.00	972.36	---	---
GMA1-21	985.68	9/10/2008	12.70	---	0.00	---	19.34	0.00	972.98	---	---
GMA1-21	985.68	9/16/2008	12.95	---	0.00	---	19.35	0.00	972.73	---	---
GMA1-21	985.68	9/26/2008	13.26	---	0.00	---	19.35	0.00	972.42	---	---
GMA1-21	985.68	10/1/2008	12.98	---	0.00	---	19.34	0.00	972.70	---	---
GMA1-21	985.68	10/2/2008	12.98	---	0.00	---	19.20	0.00	972.70	---	---
GMA1-21	985.68	10/8/2008	13.10	---	0.00	---	19.60	0.00	972.58	---	---
GMA1-21	985.68	10/15/2008	13.32	---	0.00	---	19.60	0.00	972.36	---	---
GMA1-21	985.68	10/22/2008	13.33	---	0.00	---	19.60	0.00	972.35	---	---
GMA1-21	985.68	10/28/2008	12.33	---	0.00	---	19.55	0.00	973.35	---	---
GMA1-21	985.68	11/5/2008	12.35	---	0.00	---	19.60	0.00	973.33	---	---
GMA1-21	985.68	11/12/2008	12.60	---	0.00	---	19.60	0.00	973.08	---	---
GMA1-21	985.68	11/17/2008	12.50	---	0.00	---	19.60	0.00	973.18	---	---
GMA1-21	985.68	11/19/2008	12.55	---	0.00	---	19.60	0.00	973.13	---	---
GMA1-21	985.68	11/26/2008	12.40	---	0.00	---	19.60	0.00	973.28	---	---
GMA1-21	985.68	12/3/2008	12.34	---	0.00	---	19.60	0.00	973.34	---	---

Table E-2
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General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
GMA1-21	985.68	12/10/2008	12.50	---	0.00	---	19.60	0.00	973.18	---	---
GMA1-21	985.68	12/17/2008	10.50	---	0.00	---	19.60	0.00	975.18	---	---
GMA1-21	985.68	12/24/2008	11.64	---	0.00	---	19.60	0.00	974.04	---	---
GMA1-21	985.68	12/30/2008	10.30	---	0.00	---	19.60	0.00	975.38	---	---
GMA1-22	988.45	7/2/2008	14.90	---	0.00	---	19.15	0.00	973.55	---	---
GMA1-22	988.45	7/8/2008	15.16	---	0.00	---	19.15	0.00	973.29	---	---
GMA1-22	988.45	7/15/2008	15.34	---	0.00	---	19.16	0.00	973.11	---	---
GMA1-22	988.45	7/22/2008	15.42	---	0.00	---	19.15	0.00	973.03	---	---
GMA1-22	988.45	7/28/2008	14.15	---	0.00	---	19.16	0.00	974.30	---	---
GMA1-22	988.45	8/6/2008	14.75	---	0.00	---	19.18	0.00	973.70	---	---
GMA1-22	988.45	8/13/2008	14.73	---	0.00	---	19.15	0.00	973.72	---	---
GMA1-22	988.45	8/18/2008	15.02	---	0.00	---	19.15	0.00	973.43	---	---
GMA1-22	988.45	8/27/2008	15.43	---	0.00	---	19.16	0.00	973.02	---	---
GMA1-22	988.45	9/3/2008	15.63	---	0.00	---	19.15	0.00	972.82	---	---
GMA1-22	988.45	9/10/2008	15.11	---	0.00	---	19.16	0.00	973.34	---	---
GMA1-22	988.45	9/16/2008	15.20	---	0.00	---	19.15	0.00	973.25	---	---
GMA1-22	988.45	9/26/2008	15.60	---	0.00	---	19.18	0.00	972.85	---	---
GMA1-22	988.45	10/1/2008	15.30	---	0.00	---	19.17	0.00	973.15	---	---
GMA1-22	988.45	10/8/2008	15.40	---	0.00	---	19.16	0.00	973.05	---	---
GMA1-22	988.45	10/15/2008	15.60	---	0.00	---	19.15	0.00	972.85	---	---
GMA1-22	988.45	10/22/2008	15.65	---	0.00	---	19.15	0.00	972.80	---	---
GMA1-22	988.45	10/27/2008	14.97	---	0.00	---	16.93	0.00	973.48	---	---
GMA1-22	988.45	11/5/2008	14.60	---	0.00	---	19.15	0.00	973.85	---	---
GMA1-22	988.45	11/12/2008	14.52	---	0.00	---	19.15	0.00	973.93	---	---
GMA1-22	988.45	11/17/2008	14.81	---	0.00	---	19.15	0.00	973.64	---	---
GMA1-22	988.45	11/26/2008	14.85	---	0.00	---	19.15	0.00	973.60	---	---
GMA1-22	988.45	12/3/2008	14.68	---	0.00	---	19.15	0.00	973.77	---	---
GMA1-22	988.45	12/10/2008	14.80	---	0.00	---	19.16	0.00	973.65	---	---
GMA1-22	988.45	12/17/2008	12.92	---	0.00	---	19.15	0.00	975.53	---	---
GMA1-22	988.45	12/24/2008	13.85	---	0.00	---	19.15	0.00	974.60	---	---
GMA1-22	988.45	12/30/2008	12.74	---	0.00	---	19.16	0.00	975.71	---	---
GMA1-23	986.16	7/2/2008	12.62	---	0.00	---	17.28	0.00	973.54	---	---
GMA1-23	986.16	7/8/2008	12.98	---	0.00	---	17.25	0.00	973.18	---	---
GMA1-23	986.16	7/15/2008	13.11	---	0.00	---	17.25	0.00	973.05	---	---
GMA1-23	986.16	7/22/2008	13.17	---	0.00	---	17.26	0.00	972.99	---	---
GMA1-23	986.16	7/28/2008	11.90	---	0.00	---	17.25	0.00	974.26	---	---
GMA1-23	986.16	8/6/2008	12.55	---	0.00	---	17.26	0.00	973.61	---	---
GMA1-23	986.16	8/13/2008	12.55	---	0.00	---	17.26	0.00	973.61	---	---
GMA1-23	986.16	8/18/2008	12.78	---	0.00	---	17.26	0.00	973.38	---	---
GMA1-23	986.16	8/27/2008	13.25	---	0.00	---	17.28	0.00	972.91	---	---
GMA1-23	986.16	9/3/2008	13.45	---	0.00	---	17.26	0.00	972.71	---	---
GMA1-23	986.16	9/10/2008	12.92	---	0.00	---	17.28	0.00	973.24	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
GMA1-23	986.16	9/16/2008	12.97	---	0.00	---	17.25	0.00	973.19	---	---
GMA1-23	986.16	9/26/2008	13.40	---	0.00	---	17.24	0.00	972.76	---	---
GMA1-23	986.16	10/1/2008	13.11	---	0.00	---	17.25	0.00	973.05	---	---
GMA1-23	986.16	10/8/2008	13.28	---	0.00	---	17.25	0.00	972.88	---	---
GMA1-23	986.16	10/15/2008	13.40	---	0.00	---	17.25	0.00	972.76	---	---
GMA1-23	986.16	10/22/2008	13.50	---	0.00	---	17.25	0.00	972.66	---	---
GMA1-23	986.16	10/27/2008	12.90	---	0.00	---	17.56	0.00	973.26	---	---
GMA1-23	986.16	11/5/2008	12.41	---	0.00	---	17.26	0.00	973.75	---	---
GMA1-23	986.16	11/12/2008	12.68	---	0.00	---	17.25	0.00	973.48	---	---
GMA1-23	986.16	11/17/2008	12.65	---	0.00	---	17.23	0.00	973.51	---	---
GMA1-23	986.16	11/26/2008	12.70	---	0.00	---	17.25	0.00	973.46	---	---
GMA1-23	986.16	12/3/2008	12.48	---	0.00	---	17.25	0.00	973.68	---	---
GMA1-23	986.16	12/10/2008	12.60	---	0.00	---	17.25	0.00	973.56	---	---
GMA1-23	986.16	12/17/2008	10.83	---	0.00	---	17.25	0.00	975.33	---	---
GMA1-23	986.16	12/24/2008	11.60	---	0.00	---	17.25	0.00	974.56	---	---
GMA1-23	986.16	12/30/2008	10.60	---	0.00	---	17.24	0.00	975.56	---	---
GMA1-24	983.81	7/2/2008	10.90	---	0.00	---	15.90	0.00	972.91	---	---
GMA1-24	983.81	7/8/2008	11.14	---	0.00	---	15.90	0.00	972.67	---	---
GMA1-24	983.81	7/15/2008	11.30	---	0.00	---	15.90	0.00	972.51	---	---
GMA1-24	983.81	7/22/2008	11.38	---	0.00	---	15.88	0.00	972.43	---	---
GMA1-24	983.81	7/28/2008	10.05	---	0.00	---	15.90	0.00	973.76	---	---
GMA1-24	983.81	8/6/2008	10.81	---	0.00	---	15.90	0.00	973.00	---	---
GMA1-24	983.81	8/13/2008	10.70	---	0.00	---	15.90	0.00	973.11	---	---
GMA1-24	983.81	8/18/2008	11.10	---	0.00	---	15.90	0.00	972.71	---	---
GMA1-24	983.81	8/27/2008	11.50	---	0.00	---	15.90	0.00	972.31	---	---
GMA1-24	983.81	9/3/2008	11.60	---	0.00	---	15.90	0.00	972.21	---	---
GMA1-24	983.81	9/10/2008	10.00	---	0.00	---	15.90	0.00	973.81	---	---
GMA1-24	983.81	9/16/2008	11.21	---	0.00	---	15.90	0.00	972.60	---	---
GMA1-24	983.81	9/26/2008	11.50	---	0.00	---	15.90	0.00	972.31	---	---
GMA1-24	983.81	10/1/2008	11.20	---	0.00	---	15.90	0.00	972.61	---	---
GMA1-24	983.81	10/8/2008	11.35	---	0.00	---	15.90	0.00	972.46	---	---
GMA1-24	983.81	10/15/2008	11.54	---	0.00	---	15.90	0.00	972.27	---	---
GMA1-24	983.81	10/22/2008	11.56	---	0.00	---	15.90	0.00	972.25	---	---
GMA1-24	983.81	10/27/2008	10.70	10.69	0.01	---	15.90	0.00	973.12	0.01	---
GMA1-24	983.81	11/5/2008	10.65	---	0.00	---	15.90	0.00	973.16	---	---
GMA1-24	983.81	11/12/2008	10.82	---	0.00	---	15.90	0.00	972.99	---	---
GMA1-24	983.81	11/17/2008	10.80	---	0.00	---	15.90	0.00	973.01	---	---
GMA1-24	983.81	11/26/2008	10.70	---	0.00	---	15.90	0.00	973.11	---	---
GMA1-24	983.81	12/3/2008	10.58	---	0.00	---	15.89	0.00	973.23	---	---
GMA1-24	983.81	12/10/2008	10.71	---	0.00	---	15.90	0.00	973.10	---	---
GMA1-24	983.81	12/17/2008	9.05	---	0.00	---	15.91	0.00	974.76	---	---
GMA1-24	983.81	12/24/2008	9.98	---	0.00	---	15.90	0.00	973.83	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
GMA1-24	983.81	12/30/2008	8.88	---	0.00	---	15.90	0.00	974.93	---	---
HR-C-RW-1	NA	10/27/2008	5.84	---	0.00	---	22.68	0.00	NA	---	---
HR-G1-MW-1	982.42	7/28/2008	8.70	---	0.00	---	20.28	0.00	973.72	---	---
HR-G1-MW-1	982.42	10/27/2008	9.48	---	0.00	---	20.28	0.00	972.94	---	---
HR-G1-MW-2	980.23	7/28/2008	6.44	---	0.00	---	28.40	0.00	973.79	---	---
HR-G1-MW-2	980.23	10/27/2008	7.15	---	0.00	---	28.40	0.00	973.08	---	---
HR-G1-MW-3	980.21	7/28/2008	6.35	---	0.00	---	17.85	0.00	973.86	---	---
HR-G1-MW-3	980.21	10/27/2008	7.30	---	0.00	---	17.83	0.00	972.91	---	---
HR-G2-MW-1	982.60	7/28/2008	8.23	---	0.00	---	18.23	0.00	974.37	---	---
HR-G2-MW-1	982.60	8/18/2008	11.24	---	0.00	---	18.24	0.00	971.36	---	---
HR-G2-MW-1	982.60	9/16/2008	10.88	---	0.00	---	18.23	0.00	971.72	---	---
HR-G2-MW-1	982.60	10/27/2008	9.65	---	0.00	---	18.24	0.00	972.95	---	---
HR-G2-MW-1	982.60	11/17/2008	10.36	---	0.00	---	18.24	0.00	972.24	---	---
HR-G2-MW-1	982.60	12/30/2008	8.81	---	0.00	---	18.24	0.00	973.79	---	---
HR-G2-MW-2	981.39	7/28/2008	7.31	---	0.00	---	17.68	0.00	974.08	---	---
HR-G2-MW-2	981.39	8/18/2008	8.98	---	0.00	---	17.67	0.00	972.41	---	---
HR-G2-MW-2	981.39	9/16/2008	8.80	---	0.00	---	17.67	0.00	972.59	---	---
HR-G2-MW-2	981.39	10/27/2008	7.48	---	0.00	---	17.67	0.00	973.91	---	---
HR-G2-MW-2	981.39	11/17/2008	8.28	---	0.00	---	17.66	0.00	973.11	---	---
HR-G2-MW-2	981.39	12/30/2008	6.42	---	0.00	---	17.67	0.00	974.97	---	---
HR-G2-MW-3	987.14	7/28/2008	13.20	---	0.00	---	22.02	0.00	973.94	---	---
HR-G2-MW-3	987.14	8/18/2008	14.92	---	0.00	---	21.98	0.00	972.22	---	---
HR-G2-MW-3	987.14	9/16/2008	14.78	---	0.00	---	21.98	0.00	972.36	---	---
HR-G2-MW-3	987.14	10/27/2008	13.89	---	0.00	---	21.98	0.00	973.25	---	---
HR-G2-MW-3	987.14	11/17/2008	14.33	---	0.00	---	21.98	0.00	972.81	---	---
HR-G2-MW-3	987.14	12/30/2008	12.60	---	0.00	---	21.98	0.00	974.54	---	---
HR-G2-RW-1	976.88	7/28/2008	3.83	---	0.00	---	18.68	0.00	974.02	---	---
HR-G2-RW-1	976.88	8/18/2008	6.64	---	0.00	---	18.68	0.00	971.92	---	---
HR-G2-RW-1	976.88	9/16/2008	6.42	---	0.00	---	18.70	0.00	972.08	---	---
HR-G2-RW-1	976.88	9/22/2008	6.97	---	0.00	---	18.70	0.00	971.67	---	---
HR-G2-RW-1	976.88	10/27/2008	4.86	---	0.00	---	18.72	0.00	973.25	---	---
HR-G2-RW-1	976.88	11/17/2008	5.71	5.70	0.01	---	18.70	0.00	972.62	---	---
HR-G2-RW-1	976.88	12/30/2008	3.68	---	0.00	---	18.71	0.00	973.20	---	---
HR-G3-MW-1	987.10	7/28/2008	13.33	---	0.00	---	17.72	0.00	977.14	---	---
HR-G3-MW-1	987.10	10/27/2008	14.00	---	0.00	---	17.71	0.00	976.64	---	---
HR-G3-MW-2	987.88	7/28/2008	14.24	---	0.00	---	17.73	0.00	982.53	---	---
HR-G3-MW-2	987.88	10/27/2008	14.90	---	0.00	---	17.72	0.00	982.53	---	---
HR-G3-RW-1	977.78	7/28/2008	5.35	---	0.00	---	8.58	0.00	972.43	---	---
HR-G3-RW-1	977.78	10/27/2008	5.92	---	0.00	---	9.99	0.00	971.86	---	---
HR-J1-MW-1	985.95	7/28/2008	11.95	---	0.00	---	25.84	0.00	974.00	---	---
HR-J1-MW-1	985.95	10/28/2008	12.78	---	0.00	---	25.55	0.00	973.17	---	---
HR-J1-MW-2	983.56	7/28/2008	9.40	---	0.00	---	17.65	0.00	974.16	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
HR-J1-MW-2	983.56	10/28/2008	Flooded				NA	NA	NA	---	---
HR-J1-MW-2	983.56	10/31/2008	9.86	---	0.00	---	17.41	0.00	973.70		
HR-J1-MW-3	987.68	7/28/2008	13.61	---	0.00	---	26.54	0.00	974.07	---	---
HR-J1-MW-3	987.68	10/28/2008	14.31	---	0.00	---	26.12	0.00	973.37	---	---
HR-J1-RW-1	975.05	7/28/2008	1.94	---	0.00	---	14.92	0.00	973.11	---	---
HR-J1-RW-1	975.05	10/28/2008	2.00	---	0.00	---	14.70	0.00	973.05	---	---
M-R	998.19	9/22/2008	19.24	19.23	0.01	---	29.22	0.00	978.96	0.01	---
M-R	998.19	10/27/2008	19.91	---	0.00	---	29.33	0.00	978.28	---	---
P3	989.25	9/22/2008	5.20	5.18	0.02	---	13.10	0.00	984.07	0.01	---
P3	989.25	10/27/2008	5.50	---	0.00	---	13.20	0.00	983.75	---	---
PZ-1S	989.93	10/27/2008	16.34	---	0.00	---	20.28	0.00	973.59	---	---
PZ-6S	984.13	10/27/2008	10.91	---	0.00	---	13.23	0.00	973.22	---	---
RW-1(S)	987.23	7/2/2008	17.30	17.26	0.04	---	28.60	0.00	969.97	---	---
RW-1(S)	987.23	7/8/2008	17.04	17.02	0.02	---	28.60	0.00	970.21	---	---
RW-1(S)	987.23	7/15/2008	19.60	19.35	0.25	---	28.60	0.00	967.86	---	---
RW-1(S)	987.23	7/23/2008	18.47	18.31	0.16	---	28.60	0.00	968.91	---	---
RW-1(S)	987.23	7/30/2008	18.16	18.10	0.06	---	28.60	0.00	969.13	---	---
RW-1(S)	987.23	8/5/2008	17.70	17.60	0.10	---	28.60	0.00	969.62	---	---
RW-1(S)	987.23	8/13/2008	18.41	18.00	0.41	---	28.60	0.00	969.20	---	---
RW-1(S)	987.23	8/20/2008	17.70	17.61	0.09	---	28.60	0.00	969.61	---	---
RW-1(S)	987.23	8/27/2008	19.20	18.85	0.35	---	28.60	0.00	968.36	---	---
RW-1(S)	987.23	9/3/2008	17.90	P	< 0.01	---	28.60	0.00	969.33	---	---
RW-1(S)	987.23	9/8/2008	17.81	17.73	0.08	---	28.60	0.00	969.49	---	---
RW-1(S)	987.23	9/17/2008	18.50	18.10	0.40	---	28.60	0.00	969.10	---	---
RW-1(S)	987.23	9/23/2008	18.10	17.71	0.39	---	28.60	0.00	969.49	---	---
RW-1(S)	987.23	10/1/2008	18.15	18.00	0.15	---	28.60	0.00	969.22	---	---
RW-1(S)	987.23	10/7/2008	18.80	18.29	0.51	---	28.60	0.00	968.90	---	---
RW-1(S)	987.23	10/14/2008	17.90	17.63	0.27	---	28.60	0.00	969.58	---	---
RW-1(S)	987.23	10/21/2008	18.20	18.10	0.10	---	28.60	0.00	969.12	---	---
RW-1(S)	987.23	10/28/2008	18.03	17.87	0.16	---	28.60	0.00	969.35	---	---
RW-1(S)	987.23	11/4/2008	18.10	18.08	0.02	---	28.60	0.00	969.15	---	---
RW-1(S)	987.23	11/11/2008	17.20	P	< 0.01	---	28.60	0.00	970.03	---	---
RW-1(S)	987.23	11/18/2008	17.90	17.88	0.02	---	28.60	0.00	969.35	---	---
RW-1(S)	987.23	11/25/2008	18.70	18.39	0.31	---	28.60	0.00	968.82	---	---
RW-1(S)	987.23	12/2/2008	18.20	18.05	0.15	---	28.60	0.00	969.17	---	---
RW-1(S)	987.23	12/9/2008	18.10	18.08	0.02	---	28.60	0.00	969.15	---	---
RW-1(S)	987.23	12/16/2008	17.80	17.78	0.02	---	28.60	0.00	969.45	---	---
RW-1(S)	987.23	12/24/2008	17.91	17.78	0.13	---	28.60	0.00	969.44	---	---
RW-1(S)	987.23	12/30/2008	18.01	17.89	0.12	---	28.60	0.00	969.33	---	---
RW-1(X)	982.68	7/2/2008	14.50	14.49	0.01	---	20.80	0.00	968.19	---	---
RW-1(X)	982.68	7/8/2008	15.20	15.19	0.01	---	20.80	0.00	967.49	---	---
RW-1(X)	982.68	7/15/2008	14.90	14.89	0.01	---	20.80	0.00	967.79	---	---

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General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
RW-1(X)	982.68	7/23/2008	14.70	14.68	0.02	---	20.80	0.00	968.00	---	---
RW-1(X)	982.68	7/30/2008	14.77	14.75	0.02	---	20.80	0.00	967.93	---	---
RW-1(X)	982.68	8/5/2008	14.06	---	0.00	---	20.80	0.00	968.62	---	---
RW-1(X)	982.68	8/13/2008	13.85	P	< 0.01	---	20.80	0.00	968.83	---	---
RW-1(X)	982.68	8/20/2008	14.60	14.58	0.02	---	20.80	0.00	968.10	---	---
RW-1(X)	982.68	8/27/2008	14.55	14.52	0.03	---	20.80	0.00	968.16	---	---
RW-1(X)	982.68	9/3/2008	14.60	14.58	0.02	---	20.80	0.00	968.10	---	---
RW-1(X)	982.68	9/8/2008	14.58	14.56	0.02	---	20.80	0.00	968.12	---	---
RW-1(X)	982.68	9/17/2008	15.30	P	< 0.01	---	20.80	0.00	967.38	---	---
RW-1(X)	982.68	9/23/2008	15.45	15.44	0.01	---	20.80	0.00	967.24	---	---
RW-1(X)	982.68	10/1/2008	14.61	---	0.00	---	20.80	0.00	968.07	---	---
RW-1(X)	982.68	10/7/2008	15.50	15.46	0.04	---	20.80	0.00	967.22	---	---
RW-1(X)	982.68	10/14/2008	15.70	15.68	0.02	---	20.80	0.00	967.00	---	---
RW-1(X)	982.68	10/21/2008	15.98	15.97	0.01	---	20.80	0.00	966.71	---	---
RW-1(X)	982.68	10/28/2008	15.71	15.70	0.01	---	20.80	0.00	966.98	---	---
RW-1(X)	982.68	11/4/2008	15.10	15.09	0.01	---	20.80	0.00	967.59	---	---
RW-1(X)	982.68	11/11/2008	15.00	P	< 0.01	---	20.80	0.00	967.68	---	---
RW-1(X)	982.68	11/18/2008	14.89	P	< 0.01	---	20.80	0.00	967.79	---	---
RW-1(X)	982.68	11/25/2008	15.00	14.96	0.04	---	20.80	0.00	967.72	---	---
RW-1(X)	982.68	12/2/2008	14.60	14.37	0.23	---	20.80	0.00	968.29	---	---
RW-1(X)	982.68	12/9/2008	14.60	14.36	0.24	---	20.80	0.00	968.30	---	---
RW-1(X)	982.68	12/16/2008	13.20	13.10	0.10	---	20.80	0.00	969.57	---	---
RW-1(X)	982.68	12/24/2008	13.13	13.10	0.03	---	20.80	0.00	969.58	---	---
RW-1(X)	982.68	12/30/2008	13.12	13.10	0.02	---	20.80	0.00	969.58	---	---
RW-2(X)	985.96	7/2/2008	13.02	---	0.00	---	22.80	0.00	972.94	---	---
RW-2(X)	985.96	7/8/2008	13.01	---	0.00	---	22.80	0.00	972.95	---	---
RW-2(X)	985.96	7/15/2008	13.35	---	0.00	---	22.80	0.00	972.61	---	---
RW-2(X)	985.96	7/23/2008	12.90	---	0.00	---	22.80	0.00	973.06	---	---
RW-2(X)	985.96	7/30/2008	12.93	---	0.00	---	22.80	0.00	973.03	---	---
RW-2(X)	985.96	8/5/2008	14.60	14.59	0.01	---	22.80	0.00	971.37	---	---
RW-2(X)	985.96	8/13/2008	12.99	---	0.00	---	22.80	0.00	972.97	---	---
RW-2(X)	985.96	8/20/2008	12.90	---	0.00	---	22.80	0.00	973.06	---	---
RW-2(X)	985.96	8/27/2008	12.91	---	0.00	---	22.80	0.00	973.05	---	---
RW-2(X)	985.96	9/3/2008	12.90	---	0.00	---	22.80	0.00	973.06	---	---
RW-2(X)	985.96	9/8/2008	12.88	---	0.00	---	22.80	0.00	973.08	---	---
RW-2(X)	985.96	9/17/2008	13.10	---	0.00	---	22.80	0.00	972.86	---	---
RW-2(X)	985.96	9/23/2008	12.05	---	0.00	---	22.80	0.00	973.91	---	---
RW-2(X)	985.96	10/1/2008	12.10	---	0.00	---	22.80	0.00	973.86	---	---
RW-2(X)	985.96	10/7/2008	12.10	---	0.00	---	22.80	0.00	973.86	---	---
RW-2(X)	985.96	10/14/2008	12.90	---	0.00	---	22.80	0.00	973.06	---	---
RW-2(X)	985.96	10/21/2008	13.10	---	0.00	---	22.80	0.00	972.86	---	---
RW-2(X)	985.96	10/28/2008	13.01	---	0.00	---	22.80	0.00	972.95	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
RW-2(X)	985.96	11/4/2008	13.60	---	0.00	---	22.80	0.00	972.36	---	---
RW-2(X)	985.96	11/11/2008	13.10	---	0.00	---	22.80	0.00	972.86	---	---
RW-2(X)	985.96	11/18/2008	13.13	---	0.00	---	22.80	0.00	972.83	---	---
RW-2(X)	985.96	11/25/2008	13.15	---	0.00	---	22.80	0.00	972.81	---	---
RW-2(X)	985.96	12/2/2008	12.40	---	0.00	---	22.80	0.00	973.56	---	---
RW-2(X)	985.96	12/9/2008	12.41	---	0.00	---	22.80	0.00	973.55	---	---
RW-2(X)	985.96	12/16/2008	11.50	---	0.00	---	22.80	0.00	974.46	---	---
RW-2(X)	985.96	12/24/2008	11.70	---	0.00	---	22.80	0.00	974.26	---	---
RW-2(X)	985.96	12/30/2008	11.61	---	0.00	---	22.80	0.00	974.35	---	---
RW-3(X)	980.28	7/2/2008	8.63	---	0.00	43.1	44.40	1.30	971.65	---	---
RW-3(X)	980.28	7/8/2008	8.93	---	0.00	43	44.40	1.40	971.35	---	---
RW-3(X)	980.28	7/15/2008	9.07	---	0.00	42.6	44.40	1.80	971.21	---	---
RW-3(X)	980.28	7/23/2008	8.80	---	0.00	42.15	44.40	2.25	971.48	---	---
RW-3(X)	980.28	7/30/2008	8.91	---	0.00	42.1	44.40	2.30	971.37	---	---
RW-3(X)	980.28	8/5/2008	9.40	---	0.00	42.60	44.40	1.80	970.88	---	---
RW-3(X)	980.28	8/13/2008	8.20	---	0.00	42.80	44.40	1.60	972.08	---	---
RW-3(X)	980.28	8/20/2008	8.85	---	0.00	43.10	44.40	1.30	971.43	---	---
RW-3(X)	980.28	8/27/2008	9.09	---	0.00	42.62	44.40	1.78	971.19	---	---
RW-3(X)	980.28	9/3/2008	8.88	---	0.00	42.09	44.40	2.31	971.40	---	---
RW-3(X)	980.28	9/8/2008	8.88	---	0.00	41.98	44.40	2.42	971.40	---	---
RW-3(X)	980.28	9/17/2008	8.61	---	0.00	41.90	44.40	2.50	971.67	---	---
RW-3(X)	980.28	9/23/2008	9.20	---	0.00	42.71	44.40	1.69	971.08	---	---
RW-3(X)	980.28	10/1/2008	9.10	---	0.00	42.60	44.40	1.80	971.18	---	---
RW-3(X)	980.28	10/7/2008	9.80	---	0.00	42.90	44.40	1.50	970.48	---	---
RW-3(X)	980.28	10/14/2008	8.90	---	0.00	42.90	44.40	1.50	971.38	---	---
RW-3(X)	980.28	10/21/2008	9.60	---	0.00	43.10	44.40	1.30	970.68	---	---
RW-3(X)	980.28	10/28/2008	9.61	---	0.00	42.80	44.40	1.60	970.67	---	---
RW-3(X)	980.28	11/4/2008	8.25	---	0.00	42.60	44.40	1.80	972.03	---	---
RW-3(X)	980.28	11/11/2008	8.50	---	0.00	42.90	44.40	1.50	971.78	---	---
RW-3(X)	980.28	11/18/2008	8.80	---	0.00	42.81	44.40	1.59	971.48	---	---
RW-3(X)	980.28	11/25/2008	8.75	---	0.00	42.70	44.40	1.70	971.53	---	---
RW-3(X)	980.28	12/2/2008	8.00	---	0.00	42.40	44.40	2.00	972.28	---	---
RW-3(X)	980.28	12/9/2008	8.01	---	0.00	42.38	44.40	2.02	972.27	---	---
RW-3(X)	980.28	12/16/2008	9.60	---	0.00	42.10	44.40	2.30	970.68	---	---
RW-3(X)	980.28	12/24/2008	8.40	---	0.00	42.01	44.40	2.39	971.88	---	---
RW-3(X)	980.28	12/30/2008	8.08	---	0.00	41.90	44.40	2.50	972.20	---	---
RW-4	987.44	7/2/2008	17.80	P	< 0.01	---	29.05	0.00	969.64	---	---
RW-4	987.44	7/8/2008	18.01	P	< 0.01	---	29.05	0.00	969.43	---	---
RW-4	987.44	7/15/2008	18.03	P	< 0.01	---	29.05	0.00	969.41	---	---
RW-4	987.44	7/23/2008	18.12	---	0.00	---	29.05	0.00	969.32	---	---
RW-4	987.44	7/30/2008	18.18	---	0.00	---	29.05	0.00	969.26	---	---
RW-4	987.44	8/5/2008	19.10	---	0.00	---	29.05	0.00	968.34	---	---

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Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
RW-4	987.44	8/13/2008	18.50	---	0.00	---	29.05	0.00	968.94	---	---
RW-4	987.44	8/20/2008	18.10	---	0.00	---	29.05	0.00	969.34	---	---
RW-4	987.44	8/27/2008	18.50	---	0.00	---	29.05	0.00	968.94	---	---
RW-4	987.44	9/3/2008	18.27	---	0.00	---	29.05	0.00	969.17	---	---
RW-4	987.44	9/8/2008	18.10	---	0.00	---	29.05	0.00	969.34	---	---
RW-4	987.44	9/17/2008	18.21	---	0.00	---	29.05	0.00	969.23	---	---
RW-4	987.44	9/23/2008	17.90	---	0.00	---	29.05	0.00	969.54	---	---
RW-4	987.44	10/1/2008	18.10	---	0.00	---	29.05	0.00	969.34	---	---
RW-4	987.44	10/7/2008	18.10	P	< 0.01	---	29.05	0.00	969.34	---	---
RW-4	987.44	10/14/2008	18.00	P	< 0.01	---	29.05	0.00	969.44	---	---
RW-4	987.44	10/21/2008	17.92	---	0.00	---	29.05	0.00	969.52	---	---
RW-4	987.44	10/28/2008	18.05	---	0.00	---	29.05	0.00	969.39	---	---
RW-4	987.44	11/4/2008	17.98	---	0.00	---	29.05	0.00	969.46	---	---
RW-4	987.44	11/11/2008	18.50	---	0.00	---	29.05	0.00	968.94	---	---
RW-4	987.44	11/18/2008	18.20	---	0.00	---	29.05	0.00	969.24	---	---
RW-4	987.44	11/25/2008	18.22	---	0.00	---	29.05	0.00	969.22	---	---
RW-4	987.44	12/2/2008	18.50	---	0.00	---	29.05	0.00	968.94	---	---
RW-4	987.44	12/9/2008	18.31	---	0.00	---	29.05	0.00	969.13	---	---
RW-4	987.44	12/16/2008	18.10	---	0.00	---	29.05	0.00	969.34	---	---
RW-4	987.44	12/24/2008	18.02	---	0.00	---	29.05	0.00	969.42	---	---
RW-4	987.44	12/30/2008	18.08	---	0.00	---	29.05	0.00	969.36	---	---
TMP-1	992.74	7/28/2008	18.95	---	0.00	---	21.88	0.00	973.79	---	---
TMP-1	992.74	10/27/2008	19.53	---	0.00	---	22.90	0.00	973.21	---	---
Housatonic River											
SG-HR-1	990.73	7/2/2008	19.50	See Note 5 regarding depth to water					971.23	---	---
SG-HR-1	990.73	7/9/2008	19.60	See Note 5 regarding depth to water					971.13	---	---
SG-HR-1	990.73	7/15/2008	19.74	See Note 5 regarding depth to water					970.99	---	---
SG-HR-1	990.73	7/21/2008	19.71	See Note 5 regarding depth to water					971.02	---	---
SG-HR-1	990.73	7/30/2008	19.03	See Note 5 regarding depth to water					971.70	---	---
SG-HR-1	990.73	8/6/2008	19.24	See Note 5 regarding depth to water					971.49	---	---
SG-HR-1	990.73	8/13/2008	18.60	See Note 5 regarding depth to water					972.13	---	---
SG-HR-1	990.73	8/20/2008	19.71	See Note 5 regarding depth to water					971.02	---	---
SG-HR-1	990.73	8/27/2008	19.92	See Note 5 regarding depth to water					970.81	---	---
SG-HR-1	990.73	9/3/2008	19.95	See Note 5 regarding depth to water					970.78	---	---
SG-HR-1	990.73	9/10/2008	18.72	See Note 5 regarding depth to water					972.01	---	---
SG-HR-1	990.73	9/17/2008	19.60	See Note 5 regarding depth to water					971.13	---	---
SG-HR-1	990.73	9/26/2008	19.60	See Note 5 regarding depth to water					971.13	---	---
SG-HR-1	990.73	10/1/2008	19.30	See Note 5 regarding depth to water					971.43	---	---
SG-HR-1	990.73	10/8/2008	19.75	See Note 5 regarding depth to water					970.98	---	---
SG-HR-1	990.73	10/15/2008	19.75	See Note 5 regarding depth to water					970.98	---	---
SG-HR-1	990.73	10/16/2008	19.70	See Note 5 regarding depth to water					971.03	---	---
SG-HR-1	990.73	10/22/2008	19.70	See Note 5 regarding depth to water					971.03	---	---

Table E-2
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 2 - South

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
SG-HR-1	990.73	10/23/2008	19.55	See Note 5 regarding depth to water					971.18	---	---
SG-HR-1	990.73	10/27/2008	17.98	See Note 5 regarding depth to water					972.75	---	---
SG-HR-1	990.73	10/28/2008	17.74	See Note 5 regarding depth to water					972.99	---	---
SG-HR-1	990.73	10/29/2008	17.00	See Note 5 regarding depth to water					973.73	---	---
SG-HR-1	990.73	10/29/2008	17.72	See Note 5 regarding depth to water					973.01	---	---
SG-HR-1	990.73	11/5/2008	19.05	See Note 5 regarding depth to water					971.68	---	---
SG-HR-1	990.73	11/12/2008	19.10	See Note 5 regarding depth to water					971.63	---	---
SG-HR-1	990.73	11/17/2008	19.20	See Note 5 regarding depth to water					971.53	---	---
SG-HR-1	990.73	11/26/2008	18.30	See Note 5 regarding depth to water					972.43	---	---
SG-HR-1	990.73	12/3/2008	18.85	See Note 5 regarding depth to water					971.88	---	---
SG-HR-1	990.73	12/10/2008	18.52	See Note 5 regarding depth to water					972.21	---	---
SG-HR-1	990.73	12/16/2008	17.10	See Note 5 regarding depth to water					973.63	---	---
SG-HR-1	990.73	12/23/2008	18.68	See Note 5 regarding depth to water					972.05	---	---
SG-HR-1	990.73	12/30/2008	17.68	See Note 5 regarding depth to water					973.05	---	---

Notes:

1. --- indicates LNAPL or DNAPL was not present in a measurable quantity
2. NA indicates information not available.
3. NM indicates data not measured.
4. P indicates that NAPL is present at a thickness that is <0.01 feet, the corresponding thickness is recorded as such.
5. A survey reference point (SG-HR-1) was established on the Newell Street Bridge. The "Depth to Water" value(s) provided in the above table refers to the vertical distance from the surveyed reference point to the water surface.
6. * - A weighted bailer has been installed at this location to remove DNAPL accumulations. DNAPL thickness is the length measured within the bailer upon retrieval.
7. ** The casing for wells 13, 55, 95-01, and 3-6C-EB-25 were modified in fall 2008 during routine maintenance. The wells were re-surveyed in January 2009, and the measuring point elevation has been updated at these wells based on the date the well casings were modified.
8. *** Wells ES2-15R and ES2-17 R were installed in fall 2008 and surveyed in January 2009. The measuring point elevations were updated based on the January 2009 survey data.

Table E-3
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 2 - North

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
A7	1,024.07	9/23/2008	Cemented over			---	---	0.00	NA	---	---
A7-R*	1,023.47	11/26/2008	6.83	NM	NM	NM	16.60	NM	NA	---	---
A7-R*	1,023.47	12/4/2008	6.81	---	0.00	---	15.77	0.00	1,016.66	---	---
A7-R*	1,023.47	12/11/2008	6.63	---	0.00	---	15.78	0.00	1,016.84	---	---
05-N	1,009.23	9/23/2008	24.52	---	0.00	---	27.70	0.00	984.71	---	---
05-N	1,009.23	10/31/2008	24.38	P	< 0.01	27.48	27.65	0.17	984.85	---	---
11-N**	1,010.92	10/31/2008	29.00	---	0.00	---	35.57	0.00	981.92	---	---
14-N	1,010.53	9/23/2008	24.05	23.57	0.48	---	30.40	0.00	986.93	0.30	---
14-N	1,010.53	10/31/2008	23.57	23.31	0.26	---	30.39	0.00	987.20	---	---
16-N	1,010.65	10/31/2008	29.85	---	0.00	---	37.22	0.00	980.80	---	---
17-N	1,010.49	9/23/2008	29.19	29.15	0.04	---	38.80	0.00	981.34	0.03	---
17-N	1,010.49	10/31/2008	29.41	29.33	0.08	---	39.01	0.00	981.15	---	---
17A	1,023.86	9/25/2008	14.30	---	0.00	---	19.50	0.00	1,009.56	---	---
17A	1,023.86	10/15/2008	7.25	---	0.00	---	19.45	0.00	1,016.61	---	---
17A	1,023.86	10/31/2008	6.11	---	0.00	---	19.32	0.00	1,017.75	---	---
19-N	1,010.68	10/31/2008	28.69	---	0.00	---	36.34	0.00	981.99	---	---
20-N	1,010.66	9/23/2008	28.40	---	0.00	---	33.90	0.00	982.26	---	---
20-N	1,010.66	10/31/2008	28.46	---	0.00	---	34.00	0.00	982.20	---	---
23-N	1,011.13	9/23/2008	29.38	29.18	0.20	---	38.20	0.00	981.94	0.12	---
23-N	1,011.13	10/31/2008	29.52	29.40	0.12	---	38.31	0.00	981.72	---	---
24-N	1,010.50	10/31/2008	28.00	---	0.00	---	31.10	0.00	982.50	---	---
95-20	1,010.67	9/25/2008	16.30	---	0.00	---	20.40	0.00	994.37	---	---
95-20	1,010.67	10/15/2008	13.84	---	0.00	---	19.96	0.00	996.83	---	---
95-20	1,010.67	10/31/2008	13.78	---	0.00	---	19.89	0.00	996.89	---	---
ES1-05	1,023.33	10/29/2008	39.78	---	0.00	---	43.87	0.00	983.55	---	---
ES1-10	1,023.99	9/23/2008	5.53	---	0.00	---	15.79	0.00	1,018.46	---	---
ES1-10	1,023.99	10/15/2008	6.57	---	0.00	---	15.95	0.00	1,017.42	---	---
ES1-10	1,023.99	10/31/2008	4.75	---	0.00	---	15.85	0.00	1,019.24	---	---

Table E-3
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 2 - North

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
ES1-18	1,049.71	9/25/2008	Well casing diameter limits depth measurement				14.37	0.00	NA	---	---
ES1-18	1,049.71	10/23/2008	8.63	---	0.00	---	14.25	0.00	1,041.08		
ES1-18	1,049.71	10/31/2008	5.60	---	0.00	---	14.10	0.00	1,044.11	---	---
ES1-20	1,001.56	7/23/2008	14.60	---	0.00	---	19.45	0.00	986.96	---	---
ES1-20	1,001.56	10/29/2008	14.34	---	0.00	---	19.38	0.00	987.22	---	---
ES1-27R	1,023.19	10/31/2008	6.62	---	0.00	---	19.02	0.00	1,016.57	---	---
F-1	1,023.84	10/2/2008	2.30	---	0.00	---	19.15	0.00	1,021.54	---	---
F-1	1,023.84	10/15/2008	3.05	---	0.00	---	19.00	0.00	1,020.79	---	---
F-1	1,023.84	10/31/2008	2.59	---	0.00	---	19.19	0.00	1,021.25	---	---
GMA1-4	1,011.52	9/26/2008	17.02	---	0.00	---	20.25	0.00	994.50	---	---
GMA1-4	1,011.52	10/31/2008	15.81	---	0.00	---	20.21	0.00	995.71	---	---

Notes:

1. --- indicates LNAPL or DNAPL was not present in a measurable quantity
2. NA indicates information not available.
3. NM indicates data not measured.
4. P indicates that NAPL is present at a thickness that is <0.01 feet, the corresponding thickness is recorded as such.
5. * Well A7-R was installed in fall 2008 and surveyed in January 2009. The measuring point elevation was updated based on the survey data.
6. ** The casing for well 11-N was modified on October 9, 2008 during routine maintenance. The well was re-surveyed in January 2009, and the measuring point elevation was updated.

Table E-4
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 1 - South

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
31R	1,000.23	7/29/2008	8.72	---	0.00	---	15.00	0.00	991.51	---	---
31R	1,000.23	8/19/2008	9.15	---	0.00	---	15.00	0.00	991.08	---	---
31R	1,000.23	9/16/2008	9.09	---	0.00	---	14.98	0.00	991.14	---	---
31R	1,000.23	10/28/2008	8.99	---	0.00	---	15.00	0.00	991.24	---	---
31R	1,000.23	11/18/2008	8.93	---	0.00	---	14.99	0.00	991.30	---	---
31R	1,000.23	12/29/2008	8.42	---	0.00	---	14.98	0.00	991.81	---	---
33	999.50	7/29/2008	5.53	---	0.00	---	21.05	0.00	993.97	---	---
33	999.50	8/19/2008	4.23	---	0.00	---	21.04	0.00	995.27	---	---
33	999.50	9/24/2008	6.70	6.69	0.01	---	21.05	0.00	992.81	0.01	---
33	999.50	10/28/2008	2.10	---	0.00	---	21.10	0.00	997.40	---	---
33	999.50	11/18/2008	6.40	---	0.00	---	20.99	0.00	993.10	---	---
33	999.50	12/29/2008	4.18	---	0.00	---	21.01	0.00	995.32	---	---
34	999.90	7/29/2008	5.81	5.80	0.01	---	21.00	0.00	994.10	0.01	---
34	999.90	8/19/2008	6.35	---	0.00	---	21.02	0.00	993.55	---	---
34	999.90	9/24/2008	6.56	6.55	0.01	---	21.01	0.00	993.35	0.01	---
34	999.90	10/28/2008	4.96	4.95	0.01	---	21.00	0.00	994.95	---	---
34	999.90	11/18/2008	6.41	6.40	0.01	---	21.05	0.00	993.50	0.01	---
34	999.90	12/29/2008	5.08	---	0.00	---	21.02	0.00	994.82	---	---
35	1000.15	9/24/2008	6.35	6.34	0.01	---	9.56	0.00	993.81	0.01	---
35	1000.15	10/28/2008	5.40	---	0.00	---	9.50	0.00	994.75	---	---
37R	988.79	10/3/2008	12.30	---	0.00	---	16.30	0.00	976.49	---	---
37R	988.79	10/16/2008	10.09	---	0.00	---	16.48	0.00	978.70	---	---
37R	988.79	10/28/2008	9.70	---	0.00	---	16.48	0.00	979.09	---	---
45	1000.10	9/24/2008	6.34	---	0.00	---	19.54	0.00	993.76	---	---
45	1000.10	10/28/2008	6.36	6.35	0.01	---	19.50	0.00	993.75	---	---
46	999.80	10/28/2008	Partially Paved Over				NA	NA	NA	---	---
72	1,000.62	7/29/2008	6.64	6.58	0.06	---	21.85	0.00	994.04	0.04	---
72	1000.62	8/19/2008	7.15	7.14	0.01	---	21.86	0.00	993.48	0.01	---
72	1000.62	9/24/2008	7.51	7.36	0.15	---	21.90	0.00	993.25	0.09	---
72	1000.62	10/28/2008	7.34	7.32	0.02	---	21.85	0.00	993.30	---	---
72	1000.62	11/18/2008	7.26	7.14	0.12	---	21.91	0.00	993.47	0.07	---
72	1000.62	12/29/2008	5.72	5.71	0.01	---	21.90	0.00	994.91	0.01	---
72R	1000.92	7/29/2008	6.14	---	0.00	---	13.30	0.00	994.78	---	---
72R	1000.92	8/19/2008	6.91	---	0.00	---	13.30	0.00	994.01	---	---

Table E-4
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 1 - South

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
72R	1000.92	9/16/2008	6.81	---	0.00	---	13.31	0.00	994.11	---	---
72R	1000.92	10/28/2008	8.95	---	0.00	---	13.30	0.00	991.97	---	---
72R	1000.92	11/18/2008	6.80	---	0.00	---	13.30	0.00	994.12	---	---
72R	1000.92	12/29/2008	5.43	---	0.00	---	13.30	0.00	995.49	---	---
75	1000.65	10/28/2008	7.13	---	0.00	---	20.60	0.00	993.52	---	---
76	1000.45	9/24/2008	7.80	7.30	0.50	---	18.68	0.00	993.12	0.31	---
76	1000.45	10/28/2008	7.42	7.34	0.08	---	18.60	0.00	993.10	---	---
78	997.61	10/28/2008	1.85	---	0.00	---	21.83	0.00	995.76	---	---
80	989.98	10/28/2008	4.73	---	0.00	---	24.80	0.00	985.25	---	---
90	987.65	10/28/2008	5.00	---	0.00	---	12.11	0.00	982.65	---	---
139R	986.91	10/28/2008	9.45	---	0.00	---	14.18	0.00	977.46	---	---
139R	986.91	10/29/2008	8.25	---	0.00	---	14.19	0.00	978.66	---	---
ES1-13	999.93	10/28/2008	6.47	---	0.00	---	12.15	0.00	993.46	---	---
ES1-23R	989.94	10/28/2008	2.31	---	0.00	---	16.08	0.00	987.63	---	---
GMA1-6	1000.44	10/28/2008	8.05	---	0.00	---	15.04	0.00	992.39	---	---
GMA1-7	985.81	10/28/2008	9.64	---	0.00	---	14.84	0.00	976.17	---	---
GMA1-18	998.29	10/28/2008	6.10	---	0.00	---	13.50	0.00	992.19	---	---
GMA1-18	998.29	10/29/2008	4.95	---	0.00	---	13.51	0.00	993.34	---	---
South Caisson	1,001.11	7/2/2008	13.35	P	< 0.01	---	15.00	0.00	987.76	---	---
South Caisson	1,001.11	7/8/2008	13.11	13.10	0.01	---	15.00	0.00	988.01	---	---
South Caisson	1001.11	7/15/2008	13.35	13.34	0.01	---	15.00	0.00	987.77	---	---
South Caisson	1001.11	7/23/2008	13.21	P	< 0.01	---	15.00	0.00	987.90	---	---
South Caisson	1001.11	7/30/2008	13.18	P	< 0.01	---	15.00	0.00	987.93	---	---
South Caisson	1001.11	8/5/2008	13.61	P	< 0.01	---	15.00	0.00	987.50	---	---
South Caisson	1001.11	8/13/2008	12.90	P	< 0.01	---	15.00	0.00	988.21	---	---
South Caisson	1001.11	8/20/2008	12.04	P	< 0.01	---	15.00	0.00	989.07	---	---
South Caisson	1001.11	8/27/2008	11.87	P	< 0.01	---	15.00	0.00	989.24	---	---
South Caisson	1001.11	9/3/2008	12.45	P	< 0.01	---	15.00	0.00	988.66	---	---
South Caisson	1001.11	9/8/2008	11.18	P	< 0.01	---	15.00	0.00	989.93	---	---
South Caisson	1001.11	9/17/2008	13.10	13.09	0.01	---	15.00	0.00	988.02	---	---
South Caisson	1001.11	9/23/2008	13.45	P	< 0.01	---	15.00	0.00	987.66	---	---
South Caisson	1001.11	10/1/2008	13.15	P	< 0.01	---	15.00	0.00	987.96	---	---
South Caisson	1001.11	10/7/2008	13.15	P	< 0.01	---	15.00	0.00	987.96	---	---
South Caisson	1001.11	10/14/2008	13.33	13.32	0.01	---	15.00	0.00	987.79	---	---

Table E-4
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 1 - South

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
South Caisson	1001.11	10/21/2008	13.35	P	< 0.01	---	15.00	0.00	987.76	---	---
South Caisson	1001.11	10/28/2008	13.10	P	< 0.01	---	15.00	0.00	988.01	---	---
South Caisson	1001.11	11/4/2008	13.20	P	< 0.01	---	15.00	0.00	987.91	---	---
South Caisson	1001.11	11/11/2008	13.17	P	< 0.01	---	15.00	0.00	987.94	---	---
South Caisson	1001.11	11/18/2008	13.08	13.07	0.01	---	15.00	0.00	988.04	---	---
South Caisson	1001.11	11/25/2008	13.25	P	< 0.01	---	15.00	0.00	987.86	---	---
South Caisson	1001.11	12/2/2008	13.17	P	< 0.01	---	15.00	0.00	987.94	---	---
South Caisson	1001.11	12/9/2008	13.17	P	< 0.01	---	15.00	0.00	987.94	---	---
South Caisson	1001.11	12/16/2008	13.08	P	< 0.01	---	15.00	0.00	988.03	---	---
South Caisson	1001.11	12/24/2008	13.11	P	< 0.01	---	15.00	0.00	988.00	---	---
South Caisson	1001.11	12/30/2008	12.99	P	< 0.01	---	15.00	0.00	988.12	---	---

Notes:

1. --- indicates LNAPL or DNAPL was not present in a measurable quantity
2. P indicates that LNAPL is present at a thickness that is <0.01 feet, the corresponding thickness is recorded as such.
3. NA indicates information not available.

Table E-5
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 1 - North

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
25	1000.70	10/28/2008	6.62	---	0.00	---	14.88	0.00	994.08	---	---
52	999.26	7/29/2008	4.89	---	0.00	---	6.81	0.00	994.37	---	---
52	999.26	9/24/2008	5.65	---	0.00	---	7.30	0.00	993.61	---	---
52	999.26	10/28/2008	2.90	---	0.00	---	7.20	0.00	996.36	---	---
52	999.26	11/13/2008	5.40	---	0.00	---	7.35	0.00	993.86	---	---
60R	1004.03	10/28/2008	11.08	---	0.00	---	19.20	0.00	992.95	---	---
105	1002.85	9/23/2008	8.83	7.53	1.30	---	17.40	0.00	995.23	0.19	---
105	1002.85	10/28/2008	8.26	7.46	0.80	---	17.45	0.00	995.33	---	---
106	1004.06	9/23/2008	9.90	8.73	1.17	---	12.50	0.00	995.25	0.72	---
106	1004.06	10/28/2008	8.71	8.04	0.67	---	12.60	0.00	995.97	---	---
107	1003.86	10/28/2008	7.37	---	0.00	---	17.63	0.00	996.49	---	---
108A	1007.79	10/28/2008	10.18	---	0.00	---	21.80	0.00	997.61	---	---
109A	1005.43	10/28/2008	8.38	---	0.00	---	20.80	0.00	997.05	---	---
118	1001.50	10/28/2008	6.50	---	0.00	---	8.03	0.00	995.00	---	---
128	1001.41	10/28/2008	7.41	---	0.00	---	9.50	0.00	994.00	---	---
131	1001.18	7/29/2008	3.98	---	0.00	---	6.60	0.00	997.20	---	---
131	1001.18	9/23/2008	4.82	---	0.00	---	6.55	0.00	996.36	---	---
131	1001.18	10/28/2008	4.43	4.41	0.02	---	6.51	0.00	996.77		
140	1000.30	7/29/2008	7.35	---	0.00	---	15.20	0.00	992.95	---	---
140	1000.30	10/28/2008	7.71	---	0.00	---	15.12	0.00	992.59	---	---
ES1-08	1000.85	7/29/2008	5.33	---	0.00	---	13.10	0.00	995.52	---	---
ES1-08	1000.85	9/23/2008	6.20	---	0.00	---	13.15	0.00	994.65	---	---
ES1-08	1000.85	10/28/2008	6.15	---	0.00	---	13.13	0.00	994.70	---	---
North Caisson	997.84	7/2/2008	18.30	P	< 0.01	---	19.80	0.00	979.54	---	---
North Caisson	997.84	7/8/2008	18.11	18.10	0.01	---	19.80	0.00	979.74	---	---
North Caisson	997.84	7/15/2008	14.50	14.49	0.01	---	19.80	0.00	983.35	---	---
North Caisson	997.84	7/23/2008	18.16	P	< 0.01	---	19.80	0.00	979.68	---	---
North Caisson	997.84	7/30/2008	18.12	P	< 0.01	---	19.80	0.00	979.72	---	---
North Caisson	997.84	8/5/2008	18.12	P	< 0.01	---	19.80	0.00	979.72	---	---
North Caisson	997.84	8/13/2008	17.91	17.90	0.01	---	19.80	0.00	979.94	---	---
North Caisson	997.84	8/20/2008	18.30	P	< 0.01	---	19.80	0.00	979.54	---	---
North Caisson	997.84	8/27/2008	17.98	P	< 0.01	---	19.80	0.00	979.86	---	---
North Caisson	997.84	9/3/2008	18.10	P	< 0.01	---	19.80	0.00	979.74	---	---
North Caisson	997.84	9/8/2008	18.01	P	< 0.01	---	19.80	0.00	979.83	---	---
North Caisson	997.84	9/17/2008	18.10	P	< 0.01	---	19.80	0.00	979.74	---	---
North Caisson	997.84	9/23/2008	18.45	P	< 0.01	---	19.80	0.00	979.39	---	---

Table E-5
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For East Street Area 1 - North

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
North Caisson	997.84	10/1/2008	18.40	P	< 0.01	---	19.80	0.00	979.44	---	---
North Caisson	997.84	10/7/2008	18.25	P	< 0.01	---	19.80	0.00	979.59	---	---
North Caisson	997.84	10/14/2008	18.51	18.50	0.01	---	19.80	0.00	979.34	---	---
North Caisson	997.84	10/21/2008	18.17	P	< 0.01	---	19.80	0.00	979.67	---	---
North Caisson	997.84	10/28/2008	18.15	P	< 0.01	---	19.80	0.00	979.69	---	---
North Caisson	997.84	11/4/2008	18.10	P	< 0.01	---	19.80	0.00	979.74	---	---
North Caisson	997.84	11/11/2008	18.09	P	< 0.01	---	19.80	0.00	979.75	---	---
North Caisson	997.84	11/18/2008	18.13	18.12	0.01	---	19.80	0.00	979.72	---	---
North Caisson	997.84	11/25/2008	18.10	P	< 0.01	---	19.80	0.00	979.74	---	---
North Caisson	997.84	12/2/2008	18.02	P	< 0.01	---	19.80	0.00	979.82	---	---
North Caisson	997.84	12/9/2008	18.10	P	< 0.01	---	19.80	0.00	979.74	---	---
North Caisson	997.84	12/16/2008	18.01	P	< 0.01	---	19.80	0.00	979.83	---	---
North Caisson	997.84	12/24/2008	18.07	P	< 0.01	---	19.80	0.00	979.77	---	---
North Caisson	997.84	12/30/2008	18.10	P	< 0.01	---	19.80	0.00	979.74	---	---

Notes:

1. --- indicates LNAPL or DNAPL was not present in a measurable quantity
2. P indicates that LNAPL is present at a thickness that is <0.01 feet, the corresponding thickness is recorded as such.

Table E-6
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Lyman Street Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
B-2	978.06	10/28/2008	6.16	---	0.00	---	15.84	0.00	971.90	---	---
E-04	987.98	10/28/2008	14.73	---	0.00	---	24.36	0.00	973.25	---	---
EPA-01	983.04	7/21/2008	12.73	---	0.00	---	22.65	0.00	970.31	---	---
EPA-01	983.04	8/25/2008	12.82	---	0.00	---	22.64	0.00	970.22	---	---
EPA-01	983.04	9/9/2008	11.94	---	0.00	---	22.65	0.00	971.10	---	---
EPA-01	983.04	10/28/2008	11.25	---	0.00	---	22.46	0.00	971.79	---	---
EPA-01	983.04	11/24/2008	12.44	---	0.00	---	22.65	0.00	970.60	---	---
EPA-01	983.04	12/15/2008	10.34	---	0.00	---	22.64	0.00	972.70	---	---
GMA1-5	979.50	10/28/2008	7.73	---	0.00	---	13.50	0.00	971.77	---	---
LS-12	985.49	9/24/2008	15.40	---	0.00	27.24	27.42	0.18	970.09	---	0.11
LS-12	985.49	10/27/2008	14.11	---	0.00	P	27.42	< 0.01	971.38	---	---
LS-13	990.04	9/24/2008	16.56	16.55	0.01	---	29.11	0.00	973.49	0.01	---
LS-13	990.04	10/27/2008	16.11	---	0.00	---	28.98	0.00	973.93	---	---
LS-21	983.42	9/24/2008	16.20	15.36	0.84	---	16.78	0.00	968.00	0.52	---
LS-21	983.42	10/27/2008	15.78	15.02	0.76	---	16.80	0.00	968.35	---	---
LS-24	986.58	7/21/2008	18.24	---	0.00	---	19.35	0.00	968.34	---	---
LS-24	986.58	8/25/2008	18.20	---	0.00	---	19.35	0.00	968.38	---	---
LS-24	986.58	9/9/2008	18.00	---	0.00	---	19.35	0.00	968.58	---	---
LS-24	986.58	9/24/2008	18.31	---	0.00	---	19.34	0.00	968.27	---	---
LS-24	986.58	10/27/2008	17.43	---	0.00	---	19.27	0.00	969.15	---	---
LS-24	986.58	11/24/2008	17.87	---	0.00	---	19.35	0.00	968.71	---	---
LS-24	986.58	12/15/2008	16.20	---	0.00	---	19.34	0.00	970.38	---	---
LS-30	986.44	7/21/2008	15.61	---	0.00	23.00	23.93	0.93	970.83	---	0.57
LS-30	986.44	8/25/2008	15.52	---	0.00	23.80	23.93	0.13	970.92	---	---
LS-30	986.44	9/24/2008	15.80	---	0.00	23.22	23.94	0.72	970.64	---	0.44
LS-30	986.44	10/27/2008	15.50	---	0.00	23.65	23.94	0.29	970.94	---	---
LS-30	986.44	11/24/2008	15.38	---	0.00	23.15	23.93	0.78	971.06	---	0.48
LS-30	986.44	12/15/2008	14.35	---	0.00	23.80	23.94	0.14	972.09	---	---
LS-31	987.09	7/21/2008	16.10	---	0.00	25.20	25.45	0.25	970.99	---	---
LS-31	987.09	8/25/2008	16.00	---	0.00	24.92	25.44	0.52	971.09	---	0.32
LS-31	987.09	9/24/2008	16.20	16.15	0.05	25.30	25.45	0.15	970.94	0.03	0.09
LS-31	987.09	10/27/2008	16.32	15.93	0.39	25.05	25.44	0.39	971.13	---	---
LS-31	987.09	11/24/2008	15.75	---	0.00	24.85	25.44	0.59	971.34	---	0.36
LS-31	987.09	12/15/2008	14.75	---	0.00	25.10	25.45	0.35	972.34	---	---
LS-34	985.79	7/21/2008	15.46	---	0.00	29.04	29.72	0.68	970.33	---	0.42
LS-34	985.79	9/24/2008	15.58	---	0.00	29.26	29.72	0.46	970.21	---	0.28
LS-34	985.79	10/27/2008	14.46	P	< 0.01	29.43	29.72	0.29	971.33	---	---

Table E-6
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Lyman Street Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
LS-38	986.95	7/21/2008	16.90	---	0.00	---	26.05	0.00	970.05	---	---
LS-38	986.95	8/25/2008	16.92	---	0.00	---	26.05	0.00	970.03	---	---
LS-38	986.95	9/24/2008	17.05	---	0.00	26.00	26.05	0.05	969.90	---	0.03
LS-38	986.95	10/28/2008	15.78	P	< 0.01	P	26.08	< 0.01	971.17	---	---
LS-38	986.95	11/24/2008	16.62	---	0.00	---	26.07	0.00	970.33	---	---
LS-38	986.95	12/15/2008	14.82	---	0.00	---	26.05	0.00	972.13	---	---
LS-43	981.17	7/21/2008	Covered with asphalt				NA	NA	NA	---	---
LS-43	981.17	10/27/2008	Well paved over				NA	NA	NA	---	---
LS-43R*	981.19	11/19/2008	9.62	---	0.00	---	25.02	0.00	NA	---	---
LS-43R*	981.19	12/5/2008	9.43	---	0.00	---	25.15	0.00	971.76	---	---
LS-44	980.78	7/21/2008	10.32	---	0.00	---	24.10	0.00	970.46	---	---
LS-44	980.78	8/25/2008	10.30	---	0.00	---	24.02	0.00	970.48	---	---
LS-44	980.78	9/9/2008	9.50	---	0.00	---	23.70	0.00	971.28	---	---
LS-44	980.78	10/27/2008	8.75	---	0.00	---	23.49	0.00	972.03	---	---
LS-44	980.78	11/24/2008	9.95	---	0.00	---	23.60	0.00	970.83	---	---
LS-44	980.78	12/15/2008	7.92	---	0.00	---	23.04	0.00	972.86	---	---
LSSC-06	984.91	9/24/2008	16.50	---	0.00	---	23.63	0.00	968.41	---	---
LSSC-06	984.91	10/28/2008	15.28	---	0.00	P	23.63	< 0.01	969.63	---	---
LSSC-07	982.48	7/1/2008	10.90	---	0.00	24.90	25.08	0.18	971.58	---	0.11
LSSC-07	982.48	7/8/2008	11.30	---	0.00	24.85	25.08	0.23	971.18	---	0.14
LSSC-07	982.48	7/15/2008	11.35	---	0.00	24.78	25.08	0.30	971.13	---	0.19
LSSC-07	982.48	7/21/2008	11.35	---	0.00	24.85	25.08	0.23	971.13	---	0.14
LSSC-07	982.48	7/29/2008	9.90	---	0.00	24.99	25.08	0.09	972.58	---	0.06
LSSC-07	982.48	8/5/2008	10.90	---	0.00	24.90	25.08	0.18	971.58	---	0.11
LSSC-07	982.48	8/11/2008	10.90	---	0.00	24.93	25.08	0.15	971.58	---	0.09
LSSC-07	982.48	8/19/2008	11.20	---	0.00	24.88	25.08	0.20	971.28	---	0.12
LSSC-07	982.48	8/25/2008	11.35	---	0.00	24.90	25.08	0.18	971.13	---	0.11
LSSC-07	982.48	9/3/2008	11.60	---	0.00	24.60	25.08	0.48	970.88	---	0.30
LSSC-07	982.48	9/9/2008	10.75	---	0.00	24.87	25.08	0.21	971.73	---	0.13
LSSC-07	982.48	9/16/2008	11.10	---	0.00	24.90	25.08	0.18	971.38	---	0.11
LSSC-07	982.48	9/24/2008	11.50	---	0.00	24.90	25.07	0.17	970.98	---	0.11
LSSC-07	982.48	9/30/2008	10.92	---	0.00	24.92	25.08	0.16	971.56	---	0.10
LSSC-07	982.48	10/7/2008	11.25	---	0.00	24.85	25.08	0.23	971.23	---	0.14
LSSC-07	982.48	10/14/2008	11.40	---	0.00	24.82	25.08	0.26	971.08	---	0.14
LSSC-07	982.48	10/21/2008	11.49	---	0.00	24.85	25.08	0.23	970.99	---	0.14
LSSC-07	982.48	10/28/2008	10.20	P	< 0.01	24.93	25.09	0.16	972.28	---	0.10
LSSC-07	982.48	11/4/2008	10.48	---	0.00	24.9	25.08	0.18	972.00	---	0.11

Table E-6
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Lyman Street Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
LSSC-07	982.48	11/11/2008	10.70	---	0.00	24.85	25.08	0.23	971.78	---	0.14
LSSC-07	982.48	11/19/2008	10.73	---	0.00	24.88	25.08	0.20	971.75	---	0.12
LSSC-07	982.48	11/24/2008	11.03	---	0.00	24.93	25.08	0.15	971.45	---	0.09
LSSC-07	982.48	12/2/2008	10.12	---	0.00	24.75	25.08	0.33	972.36	---	0.20
LSSC-07	982.48	12/9/2008	10.75	---	0.00	24.86	25.08	0.22	971.73	---	0.14
LSSC-07	982.48	12/15/2008	9.40	---	0.00	24.90	25.08	0.18	973.08	---	0.11
LSSC-07	982.48	12/22/2008	10.03	---	0.00	24.88	25.08	0.20	972.45	---	0.12
LSSC-07	982.48	12/29/2008	8.72	---	0.00	24.88	25.08	0.20	973.76	---	0.12
LSSC-08I	983.13	7/1/2008	12.40	---	0.00	23.32	23.35	0.03	970.73	---	0.02
LSSC-08I	983.13	7/8/2008	12.78	---	0.00	23.30	23.34	0.04	970.35	---	0.02
LSSC-08I	983.13	7/15/2008	12.85	---	0.00	23.34	23.36	0.02	970.28	---	0.01
LSSC-08I	983.13	7/21/2008	12.86	---	0.00	23.33	23.34	0.01	970.27	---	0.01
LSSC-08I	983.13	7/29/2008	11.33	---	0.00	---	23.34	0.00	971.80	---	---
LSSC-08I	983.13	8/5/2008	12.41	---	0.00	23.32	23.34	0.02	970.72	---	0.01
LSSC-08I	983.13	8/11/2008	12.31	---	0.00	23.30	23.34	0.04	970.82	---	0.03
LSSC-08I	983.13	8/19/2008	12.79	---	0.00	---	23.34	0.00	970.34	---	---
LSSC-08I	983.13	8/25/2008	12.94	---	0.00	---	23.34	0.00	970.19	---	---
LSSC-08I	983.13	9/3/2008	13.10	---	0.00	23.30	23.35	0.05	970.03	---	0.03
LSSC-08I	983.13	9/9/2008	12.05	---	0.00	---	23.35	0.00	971.08	---	---
LSSC-08I	983.13	9/16/2008	12.53	---	0.00	---	23.34	0.00	970.60	---	---
LSSC-08I	983.13	9/24/2008	12.98	---	0.00	23.30	23.35	0.05	970.15	---	0.03
LSSC-08I	983.13	9/30/2008	12.28	---	0.00	---	23.34	0.00	970.85	---	---
LSSC-08I	983.13	10/7/2008	12.78	---	0.00	---	23.35	0.00	970.35	---	---
LSSC-08I	983.13	10/14/2008	12.72	---	0.00	---	23.24	0.00	970.41	---	---
LSSC-08I	983.13	10/21/2008	12.88	---	0.00	23.20	23.24	0.04	970.25	---	0.03
LSSC-08I	983.13	10/28/2008	11.25	---	0.00	---	23.06	0.00	971.88	---	---
LSSC-08I	983.13	11/4/2008	11.90	---	0.00	---	23.25	0.00	971.23	---	---
LSSC-08I	983.13	11/11/2008	12.06	---	0.00	23.22	23.25	0.03	971.07	---	0.02
LSSC-08I	983.13	11/19/2008	12.15	---	0.00	---	23.25	0.00	970.98	---	---
LSSC-08I	983.13	11/24/2008	12.68	---	0.00	---	23.24	0.00	970.45	---	---
LSSC-08I	983.13	12/2/2008	11.30	---	0.00	23.24	23.25	0.01	971.83	---	0.01
LSSC-08I	983.13	12/9/2008	12.20	---	0.00	---	23.24	0.00	970.93	---	---
LSSC-08I	983.13	12/15/2008	10.40	---	0.00	---	23.25	0.00	972.73	---	---
LSSC-08I	983.13	12/22/2008	NM	NM	NM	NM	23.24	NM	NA	---	---
LSSC-08I	983.13	12/29/2008	9.90	---	0.00	23.20	23.25	0.05	973.23	---	0.03
LSSC-08S	983.11	7/21/2008	12.94	---	0.00	---	14.68	0.00	970.17	---	---
LSSC-08S	983.11	8/25/2008	13.02	---	0.00	---	14.68	0.00	970.09	---	---

Table E-6
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Lyman Street Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
LSSC-08S	983.11	9/9/2008	12.13	---	0.00	---	14.68	0.00	970.98	---	---
LSSC-08S	983.11	10/28/2008	11.40	---	0.00	---	14.48	0.00	971.71	---	---
LSSC-08S	983.11	11/24/2008	12.63	---	0.00	---	14.68	0.00	970.48	---	---
LSSC-08S	983.11	12/15/2008	10.46	---	0.00	---	14.66	0.00	972.65	---	---
LSSC-09	985.06	10/27/2008	14.74	---	0.00	---	21.60	0.00	970.32	---	---
LSSC-16I	980.88	7/21/2008	9.70	---	0.00	---	28.50	0.00	971.18	---	---
LSSC-16I	980.88	8/25/2008	9.71	---	0.00	---	28.50	0.00	971.17	---	---
LSSC-16I	980.88	9/30/2008	9.24	---	0.00	28.40	28.50	0.10	971.64	---	0.06
LSSC-16I	980.88	10/28/2008	8.50	P	< 0.01	---	28.52	0.00	972.38	---	---
LSSC-16I	980.88	11/24/2008	9.55	---	0.00	---	28.50	0.00	971.33	---	---
LSSC-16I	980.88	12/15/2008	7.40	---	0.00	---	28.50	0.00	973.48	---	---
LSSC-16S	981.37	9/24/2008	10.28	---	0.00	---	14.20	0.00	971.09	---	---
LSSC-16S**	981.29	10/16/2008	10.12	---	0.00	---	13.85	0.00	971.17	---	---
LSSC-16S**	981.29	10/27/2008	Flooded				NA	NA	NA	---	---
LSSC-18	987.32	7/21/2008	18.66	---	0.00	---	22.48	0.00	968.66	---	---
LSSC-18	987.32	8/25/2008	18.63	---	0.00	---	22.50	0.00	968.69	---	---
LSSC-18	987.32	9/9/2008	18.34	---	0.00	---	22.49	0.00	968.98	---	---
LSSC-18	987.32	10/27/2008	17.81	---	0.00	---	22.30	0.00	969.51	---	---
LSSC-18	987.32	11/24/2008	18.30	---	0.00	---	22.50	0.00	969.02	---	---
LSSC-18	987.32	12/15/2008	16.24	---	0.00	---	22.50	0.00	971.08	---	---
LSSC-32	980.68	7/21/2008	9.83	---	0.00	---	35.20	0.00	970.85	---	---
LSSC-32	980.68	8/25/2008	9.90	---	0.00	---	35.24	0.00	970.78	---	---
LSSC-32	980.68	9/9/2008	9.10	---	0.00	---	35.22	0.00	971.58	---	---
LSSC-32	980.68	10/27/2008	8.54	---	0.00	---	35.05	0.00	972.14	---	---
LSSC-32	980.68	11/24/2008	9.20	---	0.00	---	35.21	0.00	971.48	---	---
LSSC-32	980.68	12/15/2008	7.50	---	0.00	---	35.20	0.00	973.18	---	---
LSSC-33	980.49	7/21/2008	9.65	---	0.00	---	29.03	0.00	970.84	---	---
LSSC-33	980.49	8/25/2008	9.70	---	0.00	---	29.05	0.00	970.79	---	---
LSSC-33	980.49	9/9/2008	8.93	---	0.00	---	29.04	0.00	971.56	---	---
LSSC-33	980.49	10/27/2008	8.27	---	0.00	---	28.82	0.00	972.22	---	---
LSSC-33	980.49	11/24/2008	9.34	---	0.00	---	29.05	0.00	971.15	---	---
LSSC-33	980.49	12/15/2008	7.30	---	0.00	---	29.11	0.00	973.19	---	---
LSSC-34I	984.74	7/21/2008	16.01	---	0.00	30.60	30.73	0.13	968.73	---	---
LSSC-34I	984.74	9/24/2008	16.14	---	0.00	30.70	30.73	0.03	968.60	---	0.02
LSSC-34I	984.74	10/27/2008	14.75	---	0.00	P	30.73	< 0.01	969.99	---	---
LSSC-34S	985.01	9/24/2008	16.20	---	0.00	---	18.96	0.00	968.81	---	---
LSSC-34S	985.01	10/27/2008	14.77	---	0.00	---	18.77	0.00	970.24	---	---

Table E-6
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Lyman Street Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
MW-3R	983.54	9/23/2008	10.91	---	0.00	---	15.52	0.00	972.63	---	---
MW-3R	983.54	10/16/2008	8.23	---	0.00	---	15.47	0.00	975.31	---	---
MW-3R	980.82	10/28/2008	10.38	---	0.00	---	15.30	0.00	970.44	---	---
MW-4R	980.82	10/27/2008	8.67	---	0.00	---	13.83	0.00	972.15	---	---
MW-6R	985.14	10/28/2008	11.42	---	0.00	---	13.72	0.00	973.72	---	---
RW-1 (R)	985.07	7/2/2008	17.60	---	0.00	P	21.65	< 0.01	967.47	---	---
RW-1 (R)	985.07	7/8/2008	17.30	P	< 0.01	P	21.65	< 0.01	967.77	---	---
RW-1 (R)	985.07	7/15/2008	17.50	P	< 0.01	P	21.65	< 0.01	967.57	---	---
RW-1 (R)	985.07	7/23/2008	17.39	P	< 0.01	P	21.65	< 0.01	967.68	---	---
RW-1 (R)	985.07	7/30/2008	17.25	P	< 0.01	P	21.65	< 0.01	967.82	---	---
RW-1 (R)	985.07	8/5/2008	17.70	---	0.00	P	21.65	< 0.01	967.37	---	---
RW-1 (R)	985.07	8/13/2008	17.85	---	0.00	---	21.65	0.00	967.22	---	---
RW-1 (R)	985.07	8/20/2008	17.40	---	0.00	---	21.65	0.00	967.67	---	---
RW-1 (R)	985.07	8/27/2008	17.60	---	0.00	---	21.65	0.00	967.47	---	---
RW-1 (R)	985.07	9/3/2008	17.58	---	0.00	---	21.65	0.00	967.49	---	---
RW-1 (R)	985.07	9/8/2008	17.56	---	0.00	---	21.65	0.00	967.51	---	---
RW-1 (R)	985.07	9/17/2008	17.45	---	0.00	---	21.65	0.00	967.62	---	---
RW-1 (R)	985.07	9/23/2008	17.50	---	0.00	P	21.65	< 0.01	967.57	---	---
RW-1 (R)	985.07	10/1/2008	17.44	P	< 0.01	---	21.65	0.00	967.63	---	---
RW-1 (R)	985.07	10/7/2008	17.50	P	< 0.01	---	21.65	0.00	967.57	---	---
RW-1 (R)	985.07	10/14/2008	17.60	---	0.00	---	21.65	0.00	967.47	---	---
RW-1 (R)	985.07	10/21/2008	17.57	---	0.00	---	21.65	0.00	967.50	---	---
RW-1 (R)	985.07	10/28/2008	17.50	---	0.00	---	21.65	0.00	967.57	---	---
RW-1 (R)	985.07	11/4/2008	17.30	P	< 0.01	---	21.65	0.00	967.77	---	---
RW-1 (R)	985.07	11/11/2008	17.29	---	0.00	---	21.65	0.00	967.78	---	---
RW-1 (R)	985.07	11/18/2008	17.30	P	< 0.01	---	21.65	0.00	967.77	---	---
RW-1 (R)	985.07	11/25/2008	17.50	P	< 0.01	---	21.65	0.00	967.57	---	---
RW-1 (R)	985.07	12/2/2008	17.48	P	< 0.01	---	21.65	0.00	967.59	---	---
RW-1 (R)	985.07	12/9/2008	17.44	---	0.00	---	21.65	0.00	967.63	---	---
RW-1 (R)	985.07	12/16/2008	17.40	---	0.00	---	21.65	0.00	967.67	---	---
RW-1 (R)	985.07	12/24/2008	17.21	---	0.00	---	21.65	0.00	967.86	---	---
RW-1 (R)	985.07	12/30/2008	17.20	---	0.00	---	21.65	0.00	967.87	---	---
RW-2	985.92	7/2/2008	16.50	---	0.00	---	24.70	0.00	969.42	---	---
RW-2	985.92	7/8/2008	16.80	---	0.00	---	24.70	0.00	969.12	---	---
RW-2	985.92	7/15/2008	17.02	---	0.00	---	24.70	0.00	968.90	---	---
RW-2	985.92	7/23/2008	16.99	---	0.00	---	24.70	0.00	968.93	---	---
RW-2	985.92	7/30/2008	17.01	P	< 0.01	---	24.70	0.00	968.91	---	---

Table E-6
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Lyman Street Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
RW-2	985.92	8/5/2008	16.60	---	0.00	---	24.70	0.00	969.32	---	---
RW-2	985.92	8/13/2008	16.61	---	0.00	---	24.70	0.00	969.31	---	---
RW-2	985.92	8/20/2008	17.20	---	0.00	---	24.70	0.00	968.72	---	---
RW-2	985.92	8/27/2008	17.51	---	0.00	---	24.70	0.00	968.41	---	---
RW-2	985.92	9/3/2008	17.60	---	0.00	---	24.70	0.00	968.32	---	---
RW-2	985.92	9/8/2008	17.64	---	0.00	---	24.70	0.00	968.28	---	---
RW-2	985.92	9/17/2008	13.83	---	0.00	---	24.70	0.00	972.09	---	---
RW-2	985.92	9/23/2008	17.45	---	0.00	---	24.70	0.00	968.47	---	---
RW-2	985.92	10/1/2008	17.47	---	0.00	---	24.70	0.00	968.45	---	---
RW-2	985.92	10/7/2008	17.51	---	0.00	---	24.70	0.00	968.41	---	---
RW-2	985.92	10/14/2008	17.41	---	0.00	---	24.70	0.00	968.51	---	---
RW-2	985.92	10/21/2008	17.50	---	0.00	---	24.70	0.00	968.42	---	---
RW-2	985.92	10/28/2008	17.51	---	0.00	---	24.70	0.00	968.41	---	---
RW-2	985.92	11/4/2008	16.35	---	0.00	---	24.70	0.00	969.57	---	---
RW-2	985.92	11/11/2008	16.31	---	0.00	---	24.70	0.00	969.61	---	---
RW-2	985.92	11/18/2008	16.29	---	0.00	---	24.70	0.00	969.63	---	---
RW-2	985.92	11/25/2008	16.80	---	0.00	---	24.70	0.00	969.12	---	---
RW-2	985.92	12/2/2008	16.63	---	0.00	---	24.70	0.00	969.29	---	---
RW-2	985.92	12/9/2008	16.61	---	0.00	---	24.70	0.00	969.31	---	---
RW-2	985.92	12/16/2008	14.70	---	0.00	---	24.70	0.00	971.22	---	---
RW-2	985.92	12/24/2008	14.62	---	0.00	---	24.70	0.00	971.30	---	---
RW-2	985.92	12/30/2008	14.58	---	0.00	---	24.70	0.00	971.34	---	---
RW-3	984.08	7/2/2008	14.65	14.62	0.03	---	22.70	0.00	969.46	---	---
RW-3	984.08	7/8/2008	14.40	14.38	0.02	---	22.70	0.00	969.70	---	---
RW-3	984.08	7/15/2008	14.70	14.69	0.01	---	22.70	0.00	969.39	---	---
RW-3	984.08	7/23/2008	14.81	14.79	0.02	---	22.70	0.00	969.29	---	---
RW-3	984.08	7/30/2008	14.94	14.92	0.02	---	22.70	0.00	969.16	---	---
RW-3	984.08	8/5/2008	14.70	14.63	0.07	---	22.70	0.00	969.45	---	---
RW-3	984.08	8/13/2008	14.61	14.60	0.01	---	22.70	0.00	969.48	---	---
RW-3	984.08	8/20/2008	14.60	14.59	0.01	---	22.70	0.00	969.49	---	---
RW-3	984.08	8/27/2008	14.58	14.57	0.01	---	22.70	0.00	969.51	---	---
RW-3	984.08	9/3/2008	14.60	14.58	0.02	---	22.70	0.00	969.50	---	---
RW-3	984.08	9/8/2008	14.69	14.67	0.02	---	22.70	0.00	969.41	---	---
RW-3	984.08	9/17/2008	15.25	15.24	0.01	---	22.70	0.00	968.84	---	---
RW-3	984.08	9/23/2008	15.10	15.08	0.02	---	22.70	0.00	969.00	---	---
RW-3	984.08	10/1/2008	15.00	14.98	0.02	---	22.70	0.00	969.10	---	---
RW-3	984.08	10/7/2008	15.20	15.18	0.02	---	22.70	0.00	968.90	---	---

Table E-6
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Lyman Street Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
RW-3	984.08	10/14/2008	15.18	15.17	0.01	---	22.70	0.00	968.91	---	---
RW-3	984.08	10/21/2008	15.40	15.39	0.01	---	22.70	0.00	968.69	---	---
RW-3	984.08	10/28/2008	15.38	15.37	0.01	---	22.70	0.00	968.71	---	---
RW-3	984.08	11/4/2008	15.20	15.19	0.01	---	22.70	0.00	968.89	---	---
RW-3	984.08	11/11/2008	15.19	15.18	0.01	---	22.70	0.00	968.90	---	---
RW-3	984.08	11/18/2008	15.21	15.20	0.01	---	22.70	0.00	968.88	---	---
RW-3	984.08	11/25/2008	15.10	15.09	0.01	---	22.70	0.00	968.99	---	---
RW-3	984.08	12/2/2008	15.08	15.07	0.01	---	22.70	0.00	969.01	---	---
RW-3	984.08	12/9/2008	15.09	15.07	0.02	---	22.70	0.00	969.01	---	---
RW-3	984.08	12/16/2008	15.00	14.99	0.01	---	22.70	0.00	969.09	---	---
RW-3	984.08	12/24/2008	15.03	15.00	0.03	---	22.70	0.00	969.08	---	---
RW-3	984.08	12/30/2008	14.98	14.96	0.02	---	22.70	0.00	969.12	---	---
Housatonic River (Lyman Street Bridge)											
BM-2A	986.32	7/2/2008	16.40	See Note 5 regarding depth to water					969.92	---	---
BM-2A	986.32	7/9/2008	16.46	See Note 5 regarding depth to water					969.86	---	---
BM-2A	986.32	7/15/2008	16.50	See Note 5 regarding depth to water					969.82	---	---
BM-2A	986.32	7/21/2008	16.52	See Note 5 regarding depth to water					969.80	---	---
BM-2A	986.32	7/30/2008	15.98	See Note 5 regarding depth to water					970.34	---	---
BM-2A	986.32	8/6/2008	16.45	See Note 5 regarding depth to water					969.87	---	---
BM-2A	986.32	8/13/2008	15.60	See Note 5 regarding depth to water					970.72	---	---
BM-2A	986.32	8/20/2008	16.55	See Note 5 regarding depth to water					969.77	---	---
BM-2A	986.32	8/27/2008	16.64	See Note 5 regarding depth to water					969.68	---	---
BM-2A	986.32	9/3/2008	16.60	See Note 5 regarding depth to water					969.72	---	---
BM-2A	986.32	9/10/2008	15.90	See Note 5 regarding depth to water					970.42	---	---
BM-2A	986.32	9/17/2008	16.26	See Note 5 regarding depth to water					970.06	---	---
BM-2A	986.32	9/26/2008	16.31	See Note 5 regarding depth to water					970.01	---	---
BM-2A	986.32	10/1/2008	16.15	See Note 5 regarding depth to water					970.17	---	---
BM-2A	986.32	10/8/2008	16.40	See Note 5 regarding depth to water					969.92	---	---
BM-2A	986.32	10/15/2008	16.46	See Note 5 regarding depth to water					969.86	---	---
BM-2A	986.32	10/16/2008	16.53	See Note 5 regarding depth to water					969.79	---	---

Table E-6
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Lyman Street Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
BM-2A	986.32	10/21/2008	16.42	See Note 5 regarding depth to water					969.90	---	---
BM-2A	986.32	10/23/2008	16.30	See Note 5 regarding depth to water					970.02	---	---
BM-2A	986.32	10/27/2008	14.90	See Note 5 regarding depth to water					971.42	---	---
BM-2A	986.32	10/28/2008	15.05	See Note 5 regarding depth to water					971.27	---	---
BM-2A	986.32	10/29/2008	13.76	See Note 5 regarding depth to water					972.56	---	---
BM-2A	986.32	10/30/2008	14.95	See Note 5 regarding depth to water					971.37	---	---
BM-2A	986.32	11/5/2008	15.90	See Note 5 regarding depth to water					970.42	---	---
BM-2A	986.32	11/12/2008	16.15	See Note 5 regarding depth to water					970.17	---	---
BM-2A	986.32	11/19/2008	16.10	See Note 5 regarding depth to water					970.22	---	---
BM-2A	986.32	11/26/2008	15.30	See Note 5 regarding depth to water					971.02	---	---
BM-2A	986.32	12/3/2008	15.95	See Note 5 regarding depth to water					970.37	---	---
BM-2A	986.32	12/10/2008	15.20	See Note 5 regarding depth to water					971.12	---	---
BM-2A	986.32	12/16/2008	13.98	See Note 5 regarding depth to water					972.34	---	---
BM-2A	986.32	12/23/2008	15.90	See Note 5 regarding depth to water					970.42	---	---
BM-2A	986.32	12/30/2008	14.72	See Note 5 regarding depth to water					971.60	---	---

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. P indicates that NAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
5. A survey reference point (BM-2A) was established on the Lyman Street Bridge. The "Depth to Water" value(s) provided in the above
6. NM indicates data not measured.
7. * Well LS-43R was installed in fall 2008 and surveyed in January 2008. The measuring point elevation was updated based on the survey data.
8. ** The well casing at well LSSC-16S was modified on October 10, 2008. The well was re-surveyed in January 2009, and the measuring point elevation was updated.

Table E-7
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Newell Street Area II

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
GMA1-8	981.66	10/27/2008	8.98	---	0.00	---	16.01	0.00	972.68	---	---
GMA1-9	982.36	10/27/2008	9.07	---	0.00	---	14.14	0.00	973.29	---	---
GMA1-25	987.19	9/23/2008	13.45	---	0.00	---	17.54	0.00	973.74	---	---
GMA1-25	987.19	10/17/2008	13.59	---	0.00	---	17.20	0.00	973.60	---	---
GMA1-25	987.19	10/27/2008	13.37	---	0.00	---	17.15	0.00	973.82	---	---
GMA1-26	985.53	10/27/2008	12.07	---	0.00	---	16.76	0.00	973.46	---	---
GMA1-27	983.29	9/24/2008	9.11	---	0.00	---	16.66	0.00	974.18	---	---
GMA1-27	983.29	10/17/2008	9.14	---	0.00	---	18.45	0.00	974.15	---	---
GMA1-27	983.29	10/27/2008	8.38	---	0.00	---	16.26	0.00	974.91	---	---
GMA1-28	983.49	10/27/2008	10.32	---	0.00	---	15.96	0.00	973.17	---	---
MW-1D	987.20	7/21/2008	13.97	---	0.00	38.48	38.74	0.26	973.23	---	---
MW-1D	987.20	9/24/2008	14.15	---	0.00	38.15	38.73	0.58	973.05	---	0.36
MW-1D	987.20	10/27/2008	13.15	---	0.00	38.42	38.73	0.31	974.05	---	---
MW-1S	986.60	7/21/2008	14.01	---	0.00	---	22.38	0.00	972.59	---	---
MW-1S	986.60	9/24/2008	14.16	---	0.00	22.20	22.36	0.16	972.44	---	0.10
MW-1S	986.60	10/27/2008	13.20	---	0.00	22.18	22.36	0.18	973.40	---	---
N2SC-01I	984.99	7/21/2008	12.35	---	0.00	37.4	40.40	3.00	972.64	---	---
N2SC-01I	984.99	8/25/2008	12.40	---	0.00	37.40	40.40	3.00	972.59	---	---
N2SC-01I	984.99	9/24/2008	12.45	---	0.00	37.40	40.38	2.98	972.54	---	1.84
N2SC-01I	984.99	10/27/2008	11.22	---	0.00	36.90	40.28	3.38	973.77	---	---
N2SC-01I	984.99	11/24/2008	11.92	---	0.00	37.24	40.28	3.04	973.07	---	---
N2SC-01I	984.99	12/15/2008	9.90	---	0.00	37.36	40.27	2.91	975.09	---	---
N2SC-01I(R)	986.01	7/2/2008	15.40	NM	NM	P	42.60	< 0.01	970.61	---	---
N2SC-01I(R)	986.01	7/8/2008	15.70	NM	NM	42.45	42.60	0.15	970.31	---	---
N2SC-01I(R)	986.01	7/15/2008	15.87	NM	NM	42.30	42.60	0.30	970.14	---	---
N2SC-01I(R)	986.01	7/23/2008	15.60	NM	NM	42.10	42.60	0.50	970.41	---	---
N2SC-01I(R)	986.01	7/30/2008	14.20	NM	NM	P	42.60	< 0.01	971.81	---	---
N2SC-01I(R)	986.01	8/5/2008	15.40	NM	NM	42.20	42.60	0.40	970.61	---	---
N2SC-01I(R)	986.01	8/13/2008	15.10	NM	NM	42.00	42.60	0.60	970.91	---	---
N2SC-01I(R)	986.01	8/20/2008	15.78	NM	NM	41.80	42.60	0.80	970.23	---	---
N2SC-01I(R)	986.01	8/27/2008	15.99	NM	NM	P	42.60	< 0.01	970.02	---	---
N2SC-01I(R)	986.01	9/3/2008	16.15	NM	NM	P	42.60	< 0.01	969.86	---	---
N2SC-01I(R)	986.01	9/8/2008	16.21	NM	NM	P	42.60	< 0.01	969.80	---	---
N2SC-01I(R)	986.01	9/17/2008	15.63	NM	NM	P	42.60	< 0.01	970.38	---	---
N2SC-01I(R)	986.01	9/23/2008	16.01	NM	NM	P	42.60	< 0.01	970.00	---	---

Table E-7
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Newell Street Area II

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
N2SC-01I(R)	986.01	10/1/2008	15.98	NM	NM	P	42.60	< 0.01	970.03	---	---
N2SC-01I(R)	986.01	10/7/2008	15.85	NM	NM	P	42.60	< 0.01	970.16	---	---
N2SC-01I(R)*	986.01	10/14/2008	16.01	NM	NM	P	42.60	< 0.01	970.00	---	---
N2SC-01I(R)*	986.01	10/21/2008	16.10	NM	NM	42.30	42.60	0.30	969.91	---	---
N2SC-01I(R)*	986.01	10/28/2008	15.91	---	0.00	42.31	42.60	0.29	970.10	---	---
N2SC-01I(R)*	986.01	11/4/2008	15.05	NM	NM	42.10	42.60	0.50	970.96	---	---
N2SC-01I(R)*	986.01	11/11/2008	15.21	---	0.00	P	42.60	< 0.01	970.80	---	---
N2SC-01I(R)*	986.01	11/18/2008	15.24	NM	NM	42.16	42.60	0.44	970.77	---	---
N2SC-01I(R)*	986.01	11/25/2008	15.40	NM	NM	42.30	42.60	0.30	970.61	---	---
N2SC-01I(R)*	986.01	12/2/2008	15.10	NM	NM	42.10	42.60	0.50	970.91	---	---
N2SC-01I(R)*	986.01	12/9/2008	15.19	NM	NM	42.20	42.60	0.40	970.82	---	---
N2SC-01I(R)*	986.01	12/16/2008	13.50	NM	NM	P	42.60	< 0.01	972.51	---	---
N2SC-01I(R)*	986.01	12/24/2008	14.70	NM	NM	P	42.60	< 0.01	971.31	---	---
N2SC-01I(R)*	986.01	12/30/2008	14.40	NM	NM	P	42.60	< 0.01	971.61	---	---
N2SC-02	985.56	7/21/2008	11.50	---	0.00	---	38.36	0.00	974.06	---	---
N2SC-02	985.56	8/25/2008	11.54	---	0.00	---	38.35	0.00	974.02	---	---
N2SC-02	985.56	9/24/2008	11.70	---	0.00	---	38.35	0.00	973.86	---	---
N2SC-02*	985.56	10/27/2008	10.20	---	0.00	P	38.15	< 0.01	975.36	---	---
N2SC-02*	985.56	11/24/2008	11.00	---	0.00	---	38.15	0.00	974.56	---	---
N2SC-02*	985.56	12/15/2008	8.90	---	0.00	---	38.18	0.00	976.66	---	---
N2SC-03I	986.24	7/21/2008	10.85	---	0.00	35.60	37.74	2.14	975.39	---	---
N2SC-03I	986.24	8/25/2008	10.86	---	0.00	35.65	37.74	2.09	975.38	---	---
N2SC-03I	986.24	9/24/2008	10.97	---	0.00	35.70	37.74	2.04	975.27	---	1.26
N2SC-03I*	986.24	10/27/2008	9.80	---	0.00	36.00	37.60	1.60	976.44	---	---
N2SC-03I*	986.24	11/24/2008	10.43	---	0.00	35.98	37.65	1.67	975.81	---	---
N2SC-03I*	986.24	12/15/2008	8.40	---	0.00	35.78	37.64	1.86	977.84	---	---
N2SC-03I(R)	985.86	7/2/2008	13.50	NM	NM	39.10	41.10	2.00	972.36	---	---
N2SC-03I(R)	985.86	7/8/2008	13.80	NM	NM	39.98	41.10	1.12	972.06	---	---
N2SC-03I(R)	985.86	7/15/2008	13.95	NM	NM	40.40	41.10	0.70	971.91	---	---
N2SC-03I(R)	985.86	7/23/2008	13.75	NM	NM	39.95	41.10	1.15	972.11	---	---
N2SC-03I(R)	985.86	7/30/2008	12.90	NM	NM	P	41.10	< 0.01	972.96	---	---
N2SC-03I(R)	985.86	8/5/2008	13.51	NM	NM	P	41.10	< 0.01	972.35	---	---
N2SC-03I(R)	985.86	8/13/2008	13.24	NM	NM	40.19	41.10	0.91	972.62	---	---
N2SC-03I(R)	985.86	8/20/2008	13.90	NM	NM	39.90	41.10	1.20	971.96	---	---
N2SC-03I(R)	985.86	8/27/2008	14.09	NM	NM	39.60	41.10	1.50	971.77	---	---

Table E-7
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General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
N2SC-03I(R)	985.86	9/3/2008	14.25	NM	NM	P	41.10	< 0.01	971.61	---	---
N2SC-03I(R)	985.86	9/8/2008	14.37	NM	NM	P	41.10	< 0.01	971.49	---	---
N2SC-03I(R)	985.86	9/17/2008	13.83	NM	NM	P	41.10	< 0.01	972.03	---	---
N2SC-03I(R)	985.86	9/23/2008	14.14	NM	NM	40.80	41.10	0.30	971.72	---	---
N2SC-03I(R)	985.86	10/1/2008	14.06	NM	NM	40.90	41.10	0.20	971.80	---	---
N2SC-03I(R)	985.86	10/7/2008	13.95	NM	NM	P	41.10	< 0.01	971.91	---	---
N2SC-03I(R)	985.86	10/14/2008	14.10	NM	NM	P	41.10	< 0.01	971.76	---	---
N2SC-03I(R)	985.86	10/21/2008	14.25	NM	NM	P	41.10	< 0.01	971.61	---	---
N2SC-03I(R)	985.86	10/28/2008	14.15	---	0.00	P	41.10	< 0.01	971.71	---	---
N2SC-03I(R)	985.86	11/4/2008	13.15	NM	NM	40.40	41.10	0.70	972.71	---	---
N2SC-03I(R)	985.86	11/11/2008	13.35	---	0.00	40.90	41.10	0.20	972.51	---	---
N2SC-03I(R)	985.86	11/18/2008	13.37	NM	NM	40.38	41.10	0.72	972.49	---	---
N2SC-03I(R)	985.86	11/25/2008	13.49	NM	NM	40.5	41.10	0.60	972.37	---	---
N2SC-03I(R)	985.86	12/2/2008	13.30	---	0.00	40.60	41.10	0.50	972.56	---	---
N2SC-03I(R)	985.86	12/9/2008	13.46	NM	NM	40.70	41.10	0.40	972.40	---	---
N2SC-03I(R)	985.86	12/16/2008	11.60	NM	NM	40.70	41.10	0.40	974.26	---	---
N2SC-03I(R)	985.86	12/24/2008	11.81	NM	NM	40.66	41.10	0.44	974.05	---	---
N2SC-03I(R)	985.86	12/30/2008	11.53	NM	NM	40.90	41.10	0.20	974.33	---	---
N2SC-07	984.61	7/21/2008	10.64	---	0.00	35.70	35.80	0.10	973.97	---	0.06
N2SC-07	984.61	8/25/2008	10.70	---	0.00	35.73	35.80	0.07	973.91	---	0.04
N2SC-07	984.61	9/24/2008	10.73	---	0.00	35.70	35.77	0.07	973.88	---	0.04
N2SC-07	984.61	10/27/2008	9.99	---	0.00	35.73	35.80	0.07	974.62	---	---
N2SC-07	984.61	11/24/2008	10.3	---	0.00	35.70	35.80	0.10	974.31	---	0.06
N2SC-07	984.61	12/15/2008	8.20	---	0.00	35.75	35.82	0.07	976.41	---	0.04
N2SC-07S	982.93	9/24/2008	11.31	---	0.00	---	19.29	0.00	971.62	---	---
N2SC-07S	982.93	10/27/2008	9.91	---	0.00	---	18.86	0.00	973.02	---	---
N2SC-08	986.07	7/21/2008	11.83	---	0.00	39.60	41.30	1.70	974.24	---	1.05
N2SC-08	986.07	8/25/2008	11.82	---	0.00	39.68	41.28	1.60	974.25	---	0.99
N2SC-08	986.07	9/24/2008	11.95	---	0.00	39.70	41.30	1.60	974.12	---	0.99
N2SC-08	986.07	10/27/2008	11.23	---	0.00	39.50	41.28	1.78	974.84	---	---
N2SC-08	986.07	11/24/2008	11.50	---	0.00	39.75	41.30	1.55	974.57	---	0.96
N2SC-08	986.07	12/15/2008	9.65	---	0.00	39.90	41.32	1.42	976.42	---	0.88
N2SC-09I	987.77	9/24/2008	10.30	---	0.00	---	38.84	0.00	977.47	---	---
N2SC-09I	987.77	10/27/2008	9.43	---	0.00	P	38.75	< 0.01	978.34	---	---
N2SC-09S	982.75	9/24/2008	9.65	---	0.00	---	13.15	0.00	973.10	---	---

Table E-7
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Newell Street Area II

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
N2SC-13I	984.75	9/24/2008	10.65	---	0.00	39.35	39.66	0.31	974.10	---	0.19
N2SC-13I	984.75	10/27/2008	9.71	---	0.00	38.78	39.51	0.73	975.04	---	---
N2SC-14	985.06	7/2/2008	14.28	NM	NM	39.29	40.00	0.71	970.78	---	---
N2SC-14	985.06	7/8/2008	14.60	NM	NM	39.30	40.00	0.70	970.46	---	---
N2SC-14	985.06	7/15/2008	14.69	NM	NM	39.15	40.00	0.85	970.37	---	---
N2SC-14	985.06	7/23/2008	14.49	NM	NM	39.22	40.00	0.78	970.57	---	---
N2SC-14	985.06	7/30/2008	13.37	NM	NM	39.60	40.00	0.40	971.69	---	---
N2SC-14	985.06	8/5/2008	14.29	NM	NM	39.70	40.00	0.30	970.77	---	---
N2SC-14	985.06	8/13/2008	13.95	NM	NM	39.30	40.00	0.70	971.11	---	---
N2SC-14	985.06	8/20/2008	14.62	NM	NM	39.30	40.00	0.70	970.44	---	---
N2SC-14	985.06	8/27/2008	14.79	NM	NM	39.33	40.00	0.67	970.27	---	---
N2SC-14	985.06	9/3/2008	14.95	NM	NM	39.30	40.00	0.70	970.11	---	---
N2SC-14	985.06	9/8/2008	15.03	NM	NM	39.70	40.00	0.30	970.03	---	---
N2SC-14	985.06	9/17/2008	14.27	NM	NM	40.00	40.01	0.01	970.79	---	---
N2SC-14	985.06	9/23/2008	14.83	NM	NM	39.40	40.00	0.60	970.23	---	---
N2SC-14	985.06	10/1/2008	14.79	NM	NM	39.29	40.00	0.71	970.27	---	---
N2SC-14	985.06	10/7/2008	14.65	NM	NM	39.04	40.00	0.96	970.41	---	---
N2SC-14	985.06	10/14/2008	14.90	NM	NM	39.30	40.00	0.70	970.16	---	---
N2SC-14	985.06	10/21/2008	14.95	NM	NM	39.40	40.00	0.60	970.11	---	---
N2SC-14	985.06	10/28/2008	14.71	---	0.00	39.40	40.00	0.60	970.35	---	---
N2SC-14	985.06	11/4/2008	13.85	NM	NM	39.2	40.00	0.80	971.21	---	---
N2SC-14	985.06	11/11/2008	14.01	---	0.00	39.7	40.00	0.30	971.05	---	---
N2SC-14	985.06	11/18/2008	14.09	NM	NM	P	40.00	< 0.01	970.97	---	---
N2SC-14	985.06	11/25/2008	14.20	NM	NM	P	40.00	< 0.01	970.86	---	---
N2SC-14	985.06	12/2/2008	13.91	NM	NM	P	40.00	< 0.01	971.15	---	---
N2SC-14	985.06	12/9/2008	14.03	NM	NM	P	40.00	< 0.01	971.03	---	---
N2SC-14	985.06	12/16/2008	12.20	NM	NM	P	40.00	< 0.01	972.86	---	---
N2SC-14	985.06	12/24/2008	13.43	NM	NM	P	40.00	< 0.01	971.63	---	---
N2SC-14	985.06	12/30/2008	13.09	NM	NM	P	40.00	< 0.01	971.97	---	---
N2SC-16*	985.62	10/27/2008	9.48	---	0.00	P	35.65	< 0.01	976.14	---	---
NS-9R	983.46	7/21/2008	12.10	---	0.00	---	16.55	0.00	971.36	---	---
NS-9R	983.46	10/27/2008	10.55	---	0.00	---	16.36	0.00	972.91	---	---
NS-10	987.14	7/21/2008	13.18	13.15	0.03	---	21.60	0.00	973.99	---	---
NS-10	987.14	9/24/2008	13.44	13.30	0.14	---	21.59	0.00	973.83	0.35	---
NS-10	987.14	10/27/2008	13.29	12.93	0.36	---	21.58	0.00	974.18	---	---

Table E-7
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Newell Street Area II

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
NS-20	985.29	10/27/2008	6.50	---	0.00	---	14.76	0.00	978.79	---	---
NS-30	985.99	7/21/2008	10.60	---	0.00	34.90	35.10	0.20	975.39	---	---
NS-30	985.99	9/24/2008	10.75	---	0.00	34.90	35.10	0.20	975.24	---	0.12
NS-30	985.99	10/27/2008	9.42	---	0.00	---	35.10	0.00	976.57	---	---
NS-32	986.20	7/21/2008	11.64	---	0.00	38.02	38.05	0.03	974.56	---	---
NS-32	986.20	9/24/2008	11.76	---	0.00	37.90	38.04	0.14	974.44	---	0.09
NS-32	986.20	10/27/2008	11.47	---	0.00	---	37.90	0.00	974.73	---	---
NS-37	986.20	10/27/2008	13.18	---	0.00	---	23.45	0.00	973.02	---	---

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that NAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
6. * The casing for wells N2SC-01I(R), N2SC-02, N2SC-03I, and N2SC-16 were modified in fall 2008 during routine maintenance. The wells were re-surveyed in January 2009, and the measuring point elevation has been updated at these wells based on the date the well casings were modified.

Table E-8
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Newell Street Area I

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
FW-16R	986.51	10/29/2008	12.40	---	0.00	---	20.35	0.00	974.11	---	---
IA-9R	984.14	10/29/2008	10.08	---	0.00	---	16.91	0.00	974.06	---	---
MM-1	988.04	10/6/2008	12.30	---	0.00	---	19.30	0.00	975.74	---	---
MM-1	988.04	10/24/2008	12.40	---	0.00	---	19.32	0.00	975.64	---	---
MM-1	988.04	10/29/2008	11.98	---	0.00	---	19.38	0.00	976.06	---	---

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.

Table E-9
Fall 2008 Routine Groundwater Elevation and NAPL Monitoring Data
For Silver Lake Area

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev (ft.)	Date	Depth to Water (feet BMP)	Depth to LNAPL (feet BMP)	LNAPL Thickness (feet)	Depth to DNAPL (feet BMP)	Total Depth (feet BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)	DNAPL Removed (Liters)
Monitoring Wells Adjacent to Silver Lake											
SLGW-01S	982.94	10/27/2008	5.84	---	0.00	---	16.16	0.00	977.10	---	---
SLGW-05S	979.12	10/27/2008	1.99	---	0.00	---	11.62	0.00	977.13	---	---
SLGW-06S	981.66	10/27/2008	4.74	---	0.00	---	13.72	0.00	976.92	---	---
Staff Gauge within Silver Lake											
BM-SL-5	980.27	7/2/2008	4.48	See Note 4 regarding depth to water					975.79	---	---
BM-SL-5	980.27	7/9/2008	4.50	See Note 4 regarding depth to water					975.77	---	---
BM-SL-5	980.27	7/15/2008	4.58	See Note 4 regarding depth to water					975.69	---	---
BM-SL-5	980.27	7/23/2008	4.44	See Note 4 regarding depth to water					975.83	---	---
BM-SL-5	980.27	7/30/2008	4.32	See Note 4 regarding depth to water					975.95	---	---
BM-SL-5	980.30	8/5/2008	4.46	See Note 4 regarding depth to water					975.84	---	---
BM-SL-5	980.27	8/13/2008	4.38	See Note 4 regarding depth to water					975.89	---	---
BM-SL-5	980.27	8/20/2008	4.55	See Note 4 regarding depth to water					975.72	---	---
BM-SL-5	980.27	8/27/2008	4.62	See Note 4 regarding depth to water					975.65	---	---
BM-SL-5	980.30	9/3/2008	4.64	See Note 4 regarding depth to water					975.66	---	---
BM-SL-5	980.27	9/10/2008	4.27	See Note 4 regarding depth to water					976.00	---	---
BM-SL-5	980.27	9/17/2008	4.48	See Note 4 regarding depth to water					975.79	---	---
BM-SL-5	980.27	9/26/2008	4.38	See Note 4 regarding depth to water					975.89	---	---
BM-SL-5	980.30	10/1/2008	4.30	See Note 4 regarding depth to water					976.00	---	---
BM-SL-5	980.27	10/8/2008	4.40	See Note 4 regarding depth to water					975.87	---	---
BM-SL-5	980.27	10/15/2008	4.30	See Note 4 regarding depth to water					975.97	---	---
BM-SL-5	980.30	10/22/2008	4.20	See Note 4 regarding depth to water					976.10	---	---
BM-SL-5	980.27	10/27/2008	4.20	See Note 4 regarding depth to water					976.07	---	---
BM-SL-5	980.30	11/5/2008	3.98	See Note 4 regarding depth to water					976.32	---	---
BM-SL-5	980.30	11/12/2008	4.14	See Note 4 regarding depth to water					976.16	---	---
BM-SL-5	980.30	11/19/2008	4.08	See Note 4 regarding depth to water					976.22	---	---
BM-SL-5	980.30	11/26/2008	4.10	See Note 4 regarding depth to water					976.20	---	---
BM-SL-5	980.30	12/3/2008	3.98	See Note 4 regarding depth to water					976.32	---	---
BM-SL-5	980.30	12/10/2008	3.73	See Note 4 regarding depth to water					976.57	---	---
BM-SL-5	980.30	12/17/2008	3.82	See Note 4 regarding depth to water					976.48	---	---
BM-SL-5	980.30	12/23/2008	Gauge Frozen						NA	---	---
BM-SL-5	980.30	12/30/2008	3.75	See Note 4 regarding depth to water					976.55	---	---

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. Survey reference point BM-SL-5 was established on the former Silver Lake staff gauge support structure following destruction of the gauge due to ice. The "Depth to Water" value(s) provided in the above table refer to the vertical distance as measured down from the surveyed reference point to the water surface.
5. Additional groundwater elevation data may also be collected from wells near Silver Lake that are located in the 30s Complex and at the Lyman Street Area. If available, those results are presented in the monitoring tables for those Removal Action Areas.

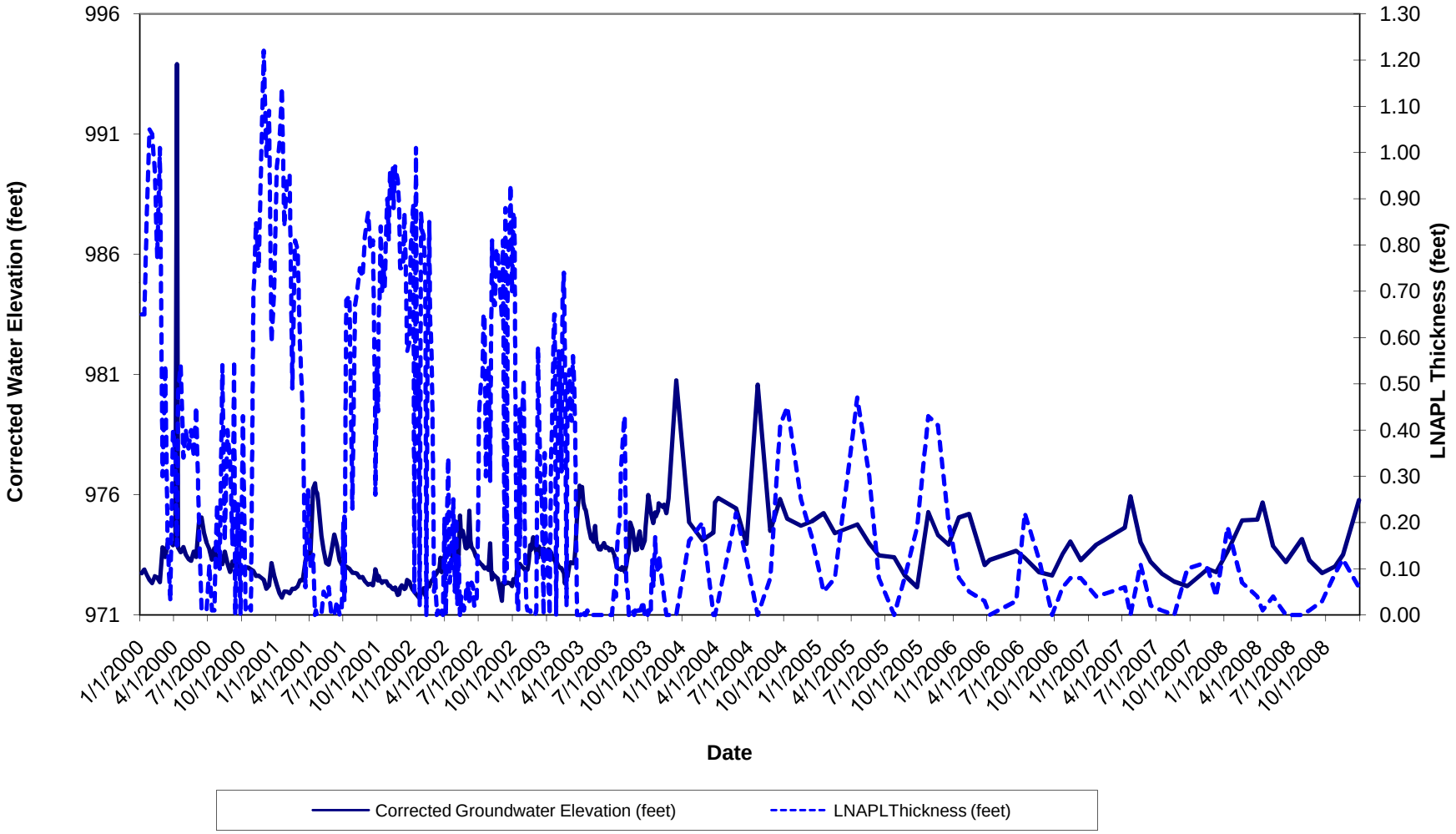
Table E-10
East Branch Housatonic River at Coltsville, MA River Discharge for During Fall 2008 Monitoring Event

NAPL Monitoring Report for Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

Date	Maximum Discharge (cfs)	Minimum Discharge (cfs)	Comments
27-Oct	355	215	
28-Oct	496	215	
29-Oct	478	394	
30-Oct	398	266	
31-Oct	273	215	

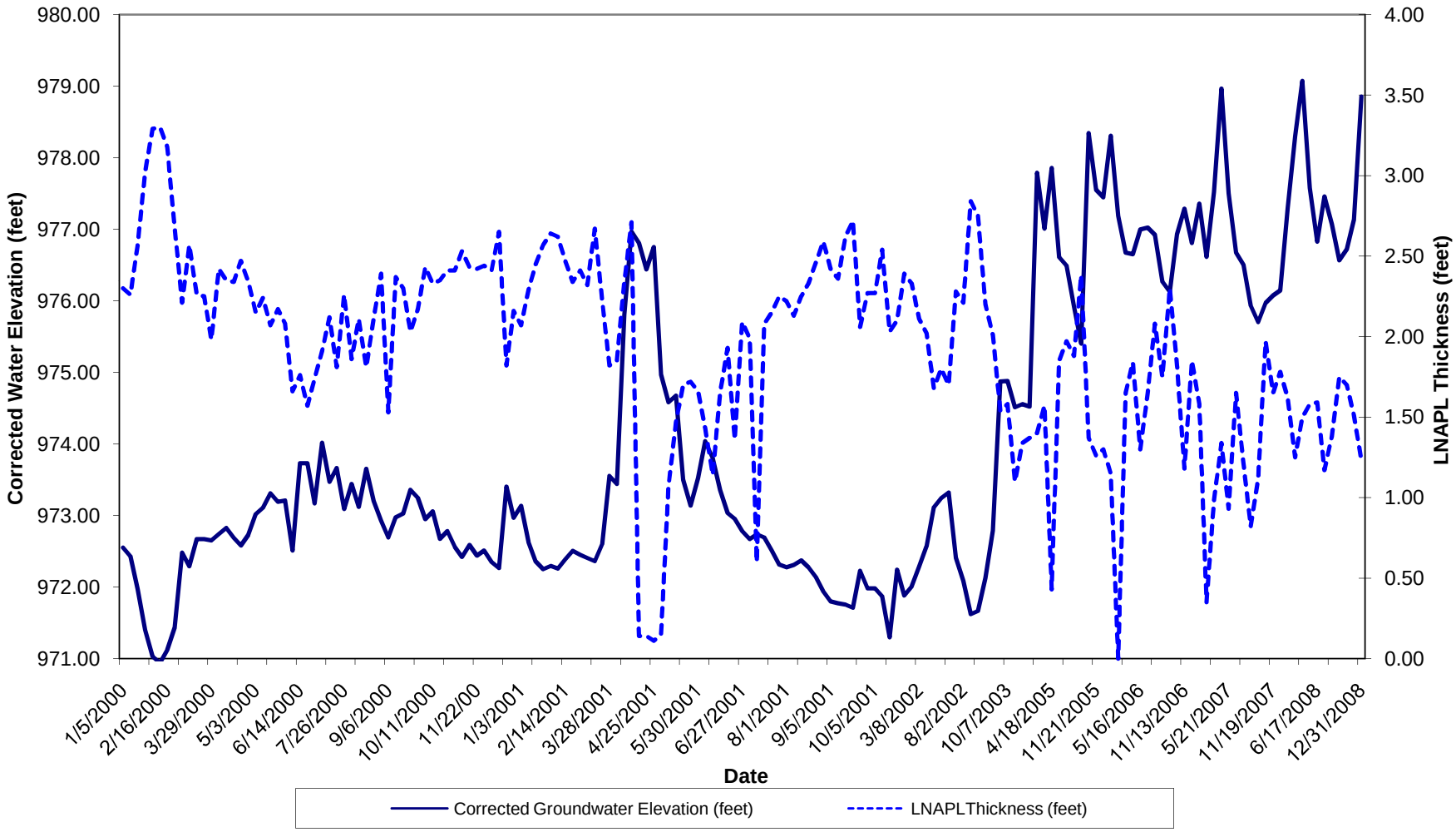
Appendix E
Groundwater Elevation and LNAPL Thickness Data For
East Street Area 2 - South Monitoring Well 13

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



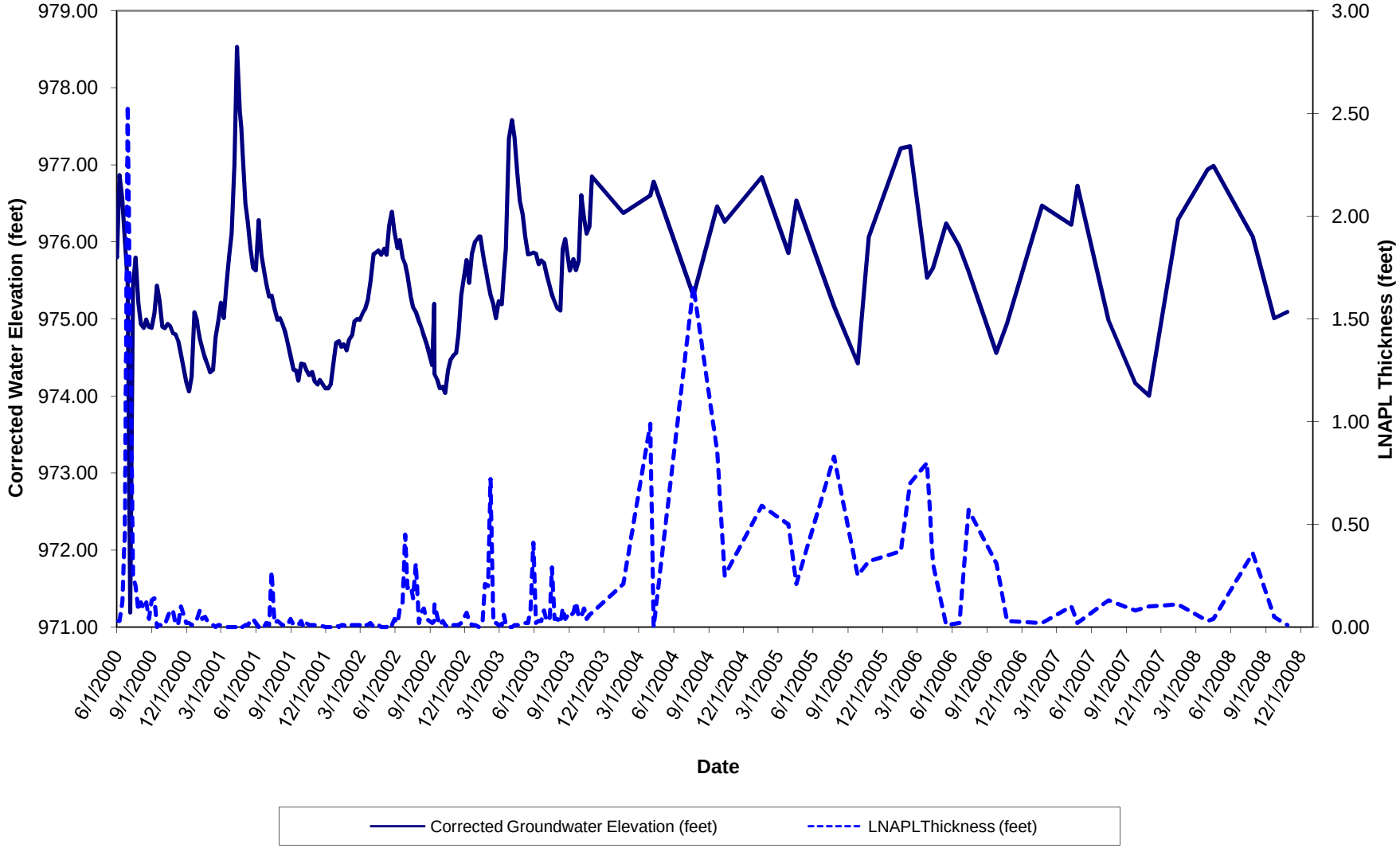
Appendix E
Groundwater Elevation and LNAPL Thickness Data For
East Street Area 2-South Monitoring Well 48

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix E
Groundwater Elevation and LNAPL Thickness Data For
East Street Area 2 - South Monitoring Well 50

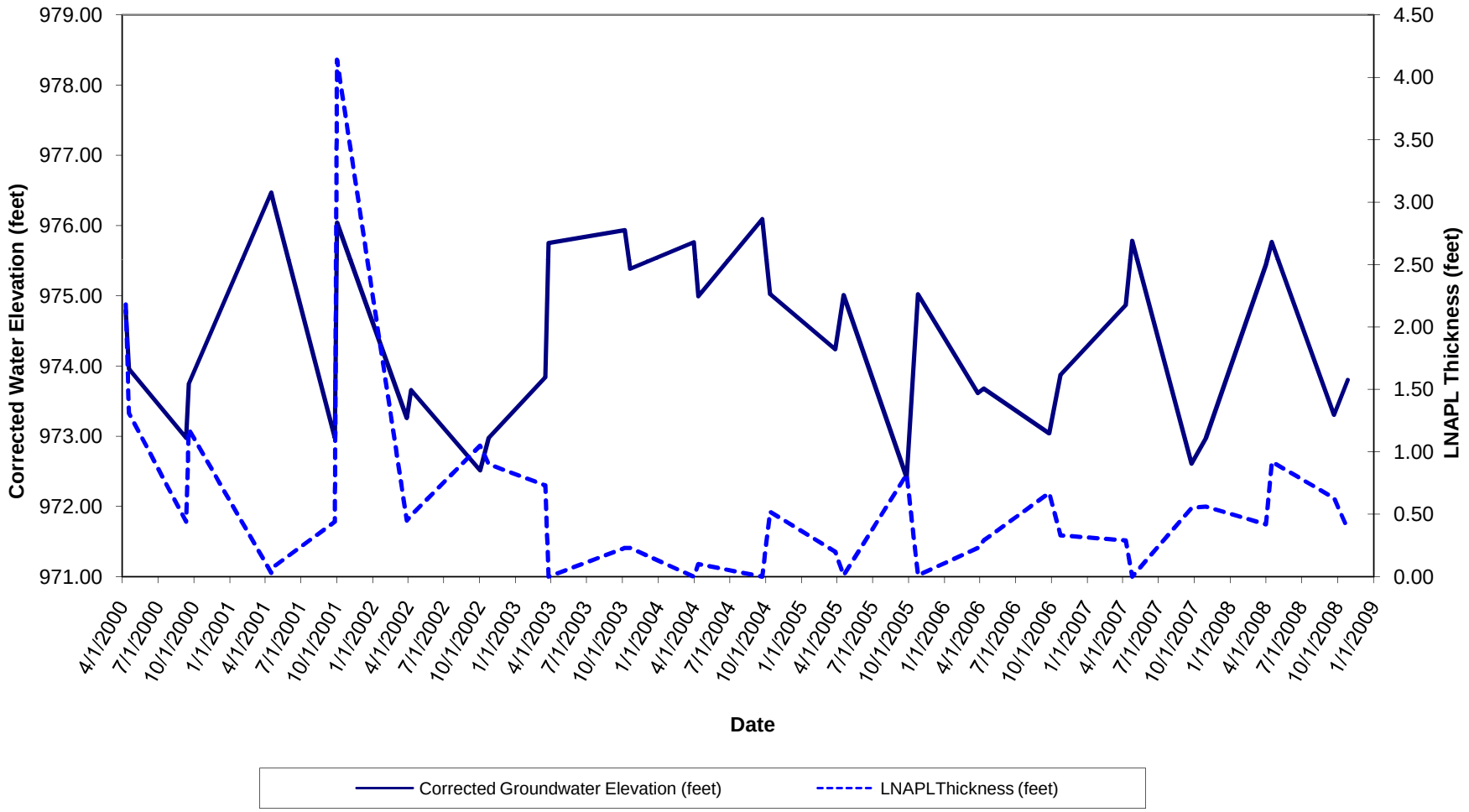
Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Well screen elevation: 961.5 to 981.5 feet

Appendix E
Groundwater Elevation and LNAPL Thickness Data For
East Street Area 2 - South Monitoring Well 95-05

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts

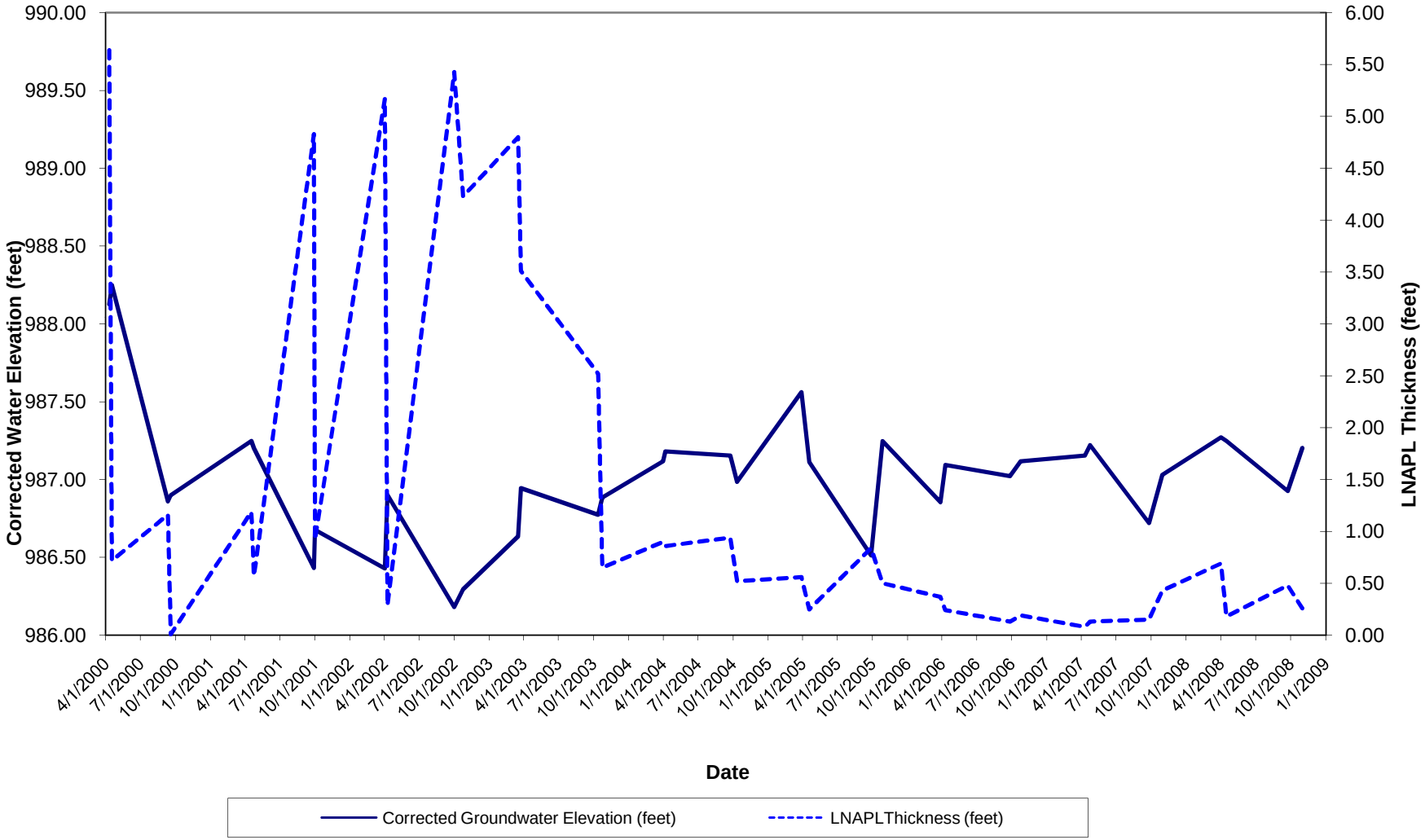


G:\GE\GE_Pittsfield_CD_GMA_1\Reports and Presentations\Fall 2008 NAPL Report\
068911324 AppxE_95_05.xls-95_05_Chart1

3/3/2009

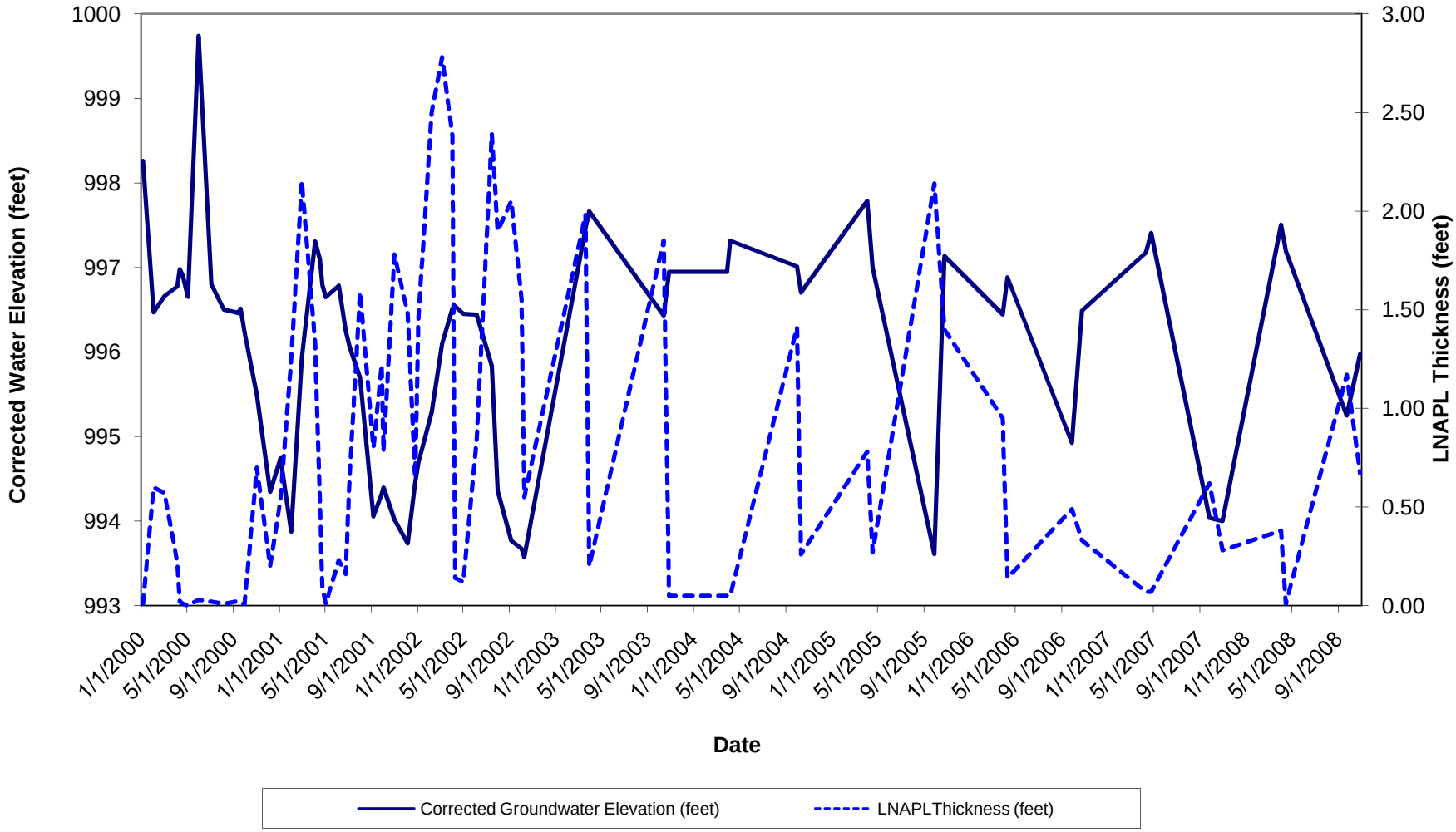
Appendix E
Groundwater Elevation and LNAPL Thickness Data for
East Street Area 2-North Monitoring Well 14-N

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



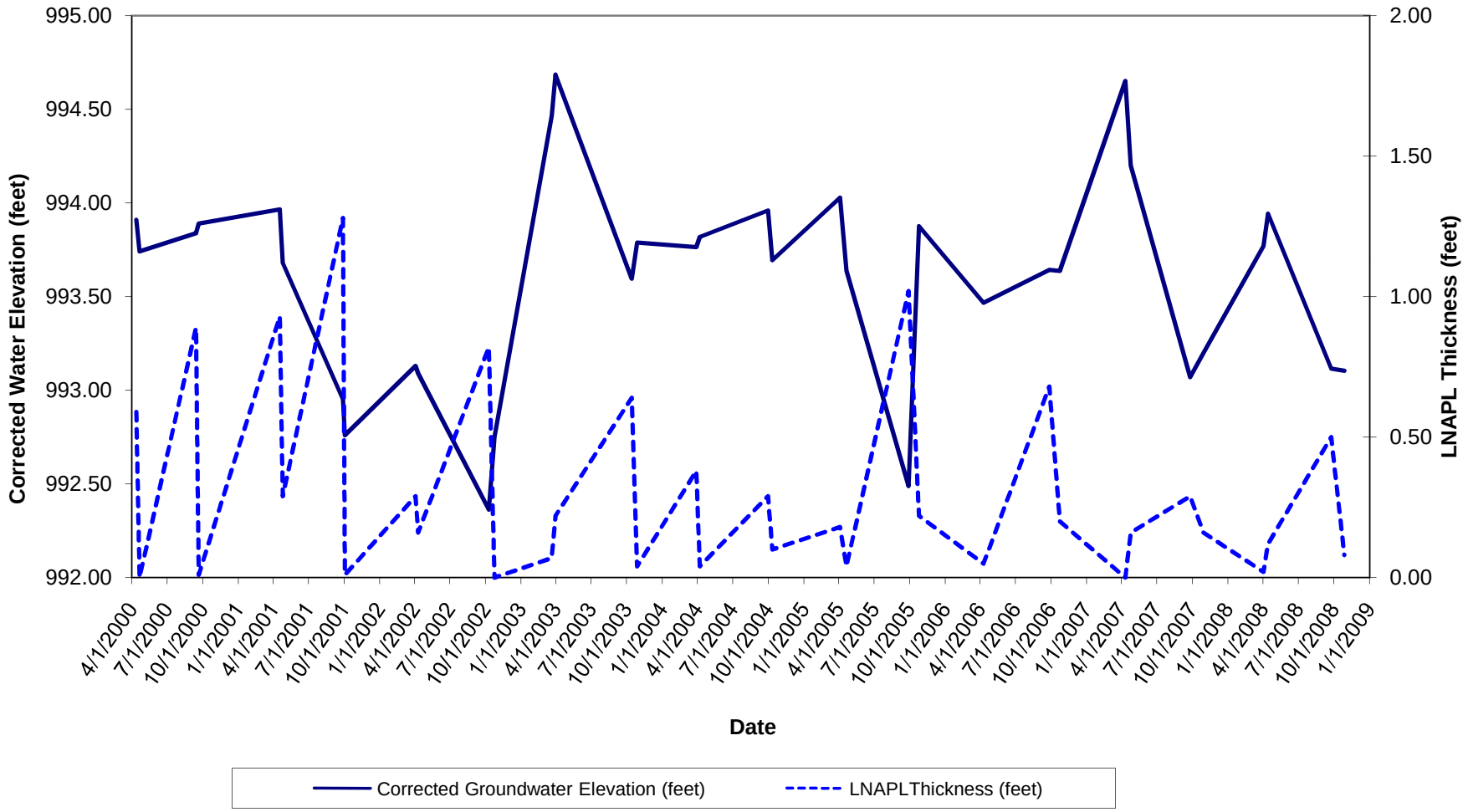
Appendix E
Groundwater Elevation and LNAPL Thickness Data For
East Street Area 1 - North Monitoring Well 106

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



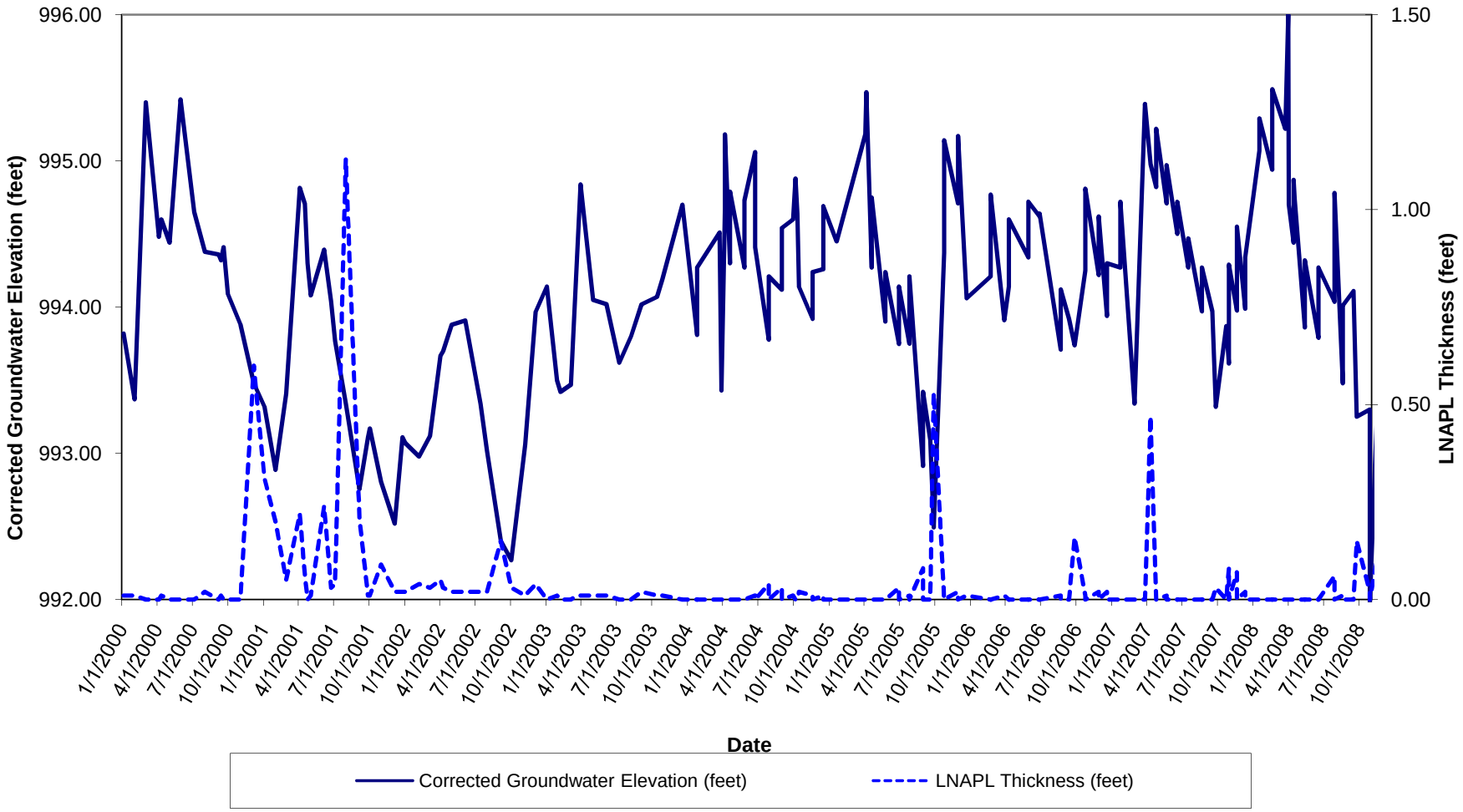
Appendix E
Groundwater Elevation and LNAPL Thickness Data For
East Street Area 1-South Monitoring Well 76

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



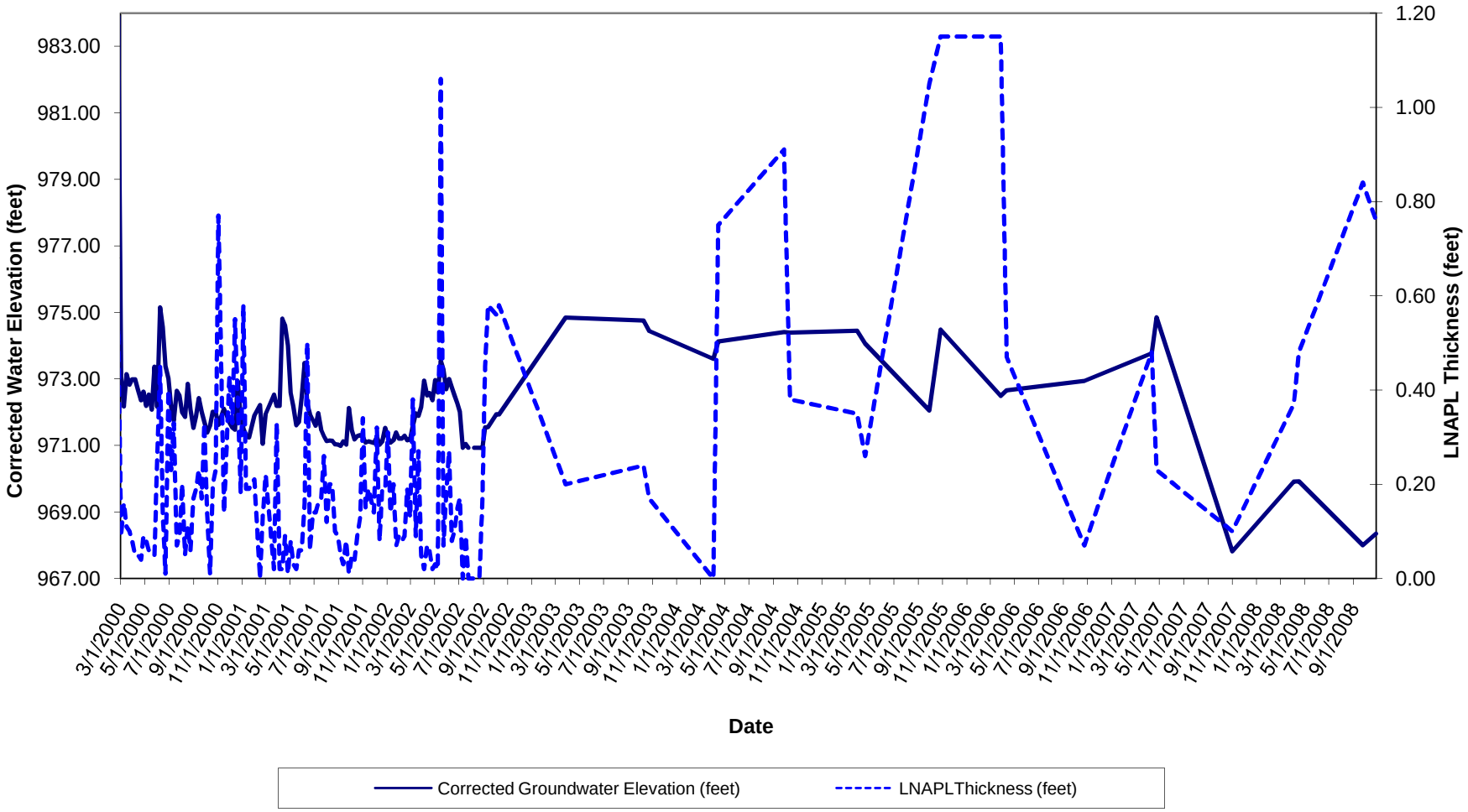
Appendix E
Groundeater Elevation and LNAPL Thickness Data For
East Street Area 1-South Monitoring Well 72/72R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



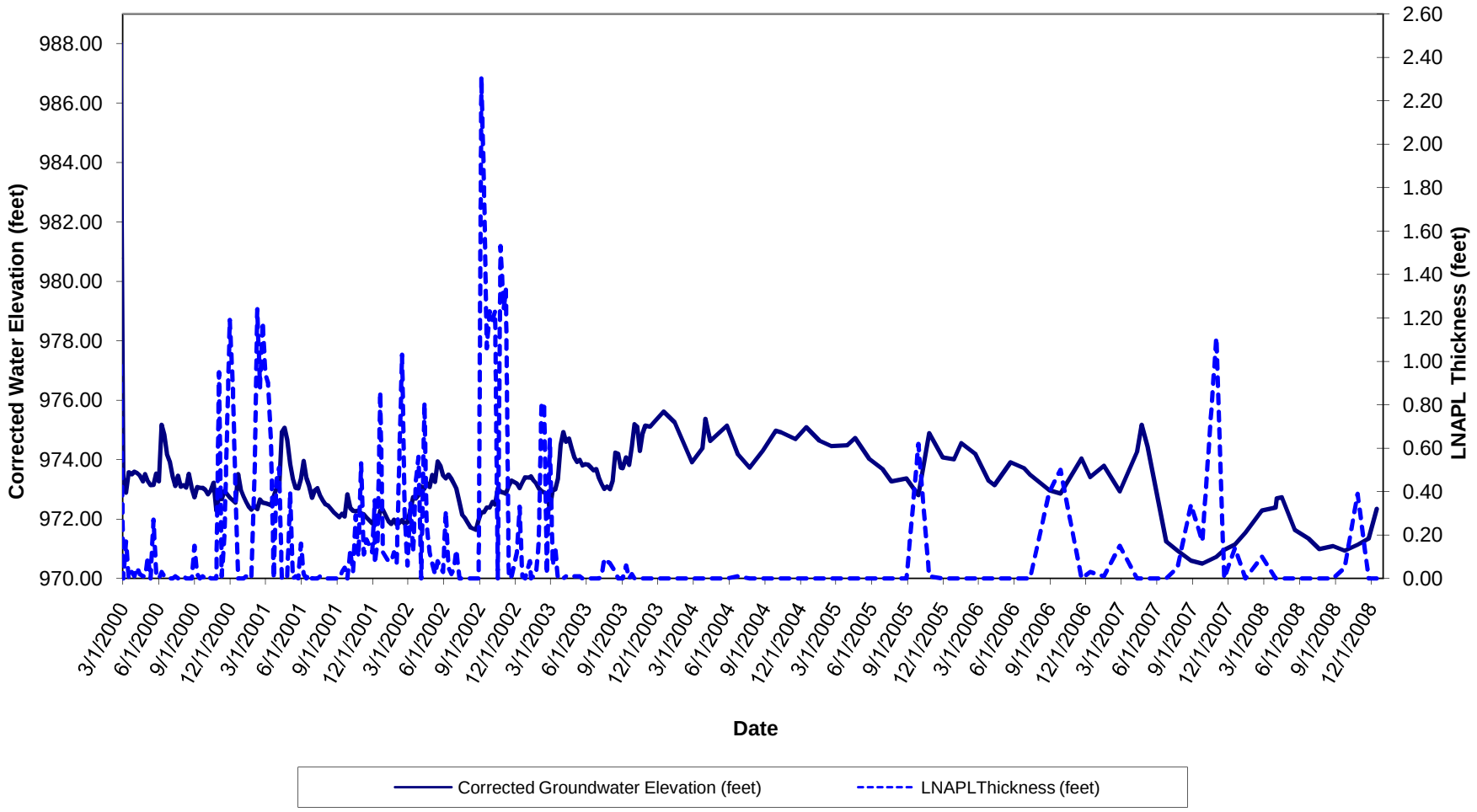
Appendix E
Groundwater Elevation and LNAPL Thickness Data For
Lyman Street Area Monitoring Well LS-21

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix E
Groundwater Elevation and LNAPL Thickness Data For
Lyman Street Area Monitoring Well LS-31

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



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Appendix F

East Street Area 2-South LNAPL Recovery Efficiency Data

Table F-1
East Street Area 2- South Automated LNAPL Recovery System Monthly Efficiency Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

RECOVERY SYSTEM	DATE	RECOVERY (Gallons)		LNAPL RECOVERY EFFICIENCY
		LNAPL	GROUNDWATER	
64R/40R	January 2000	0	62,000	0.000%
64R/40R	February 2000	602	22,400	2.617%
64R/40R	March 2000	400	315,400	0.127%
64R/40R	April 2000	218	354,500	0.061%
64R/40R	May 2000	1,736	704,200	0.246%
64R/40R	June 2000	2,877	746,900	0.384%
64R/40R	July 2000	1,335	646,500	0.206%
64R/40R	August 2000	1,336	853,500	0.156%
64R/40R	September 2000	648	576,600	0.112%
64R/40R	October 2000	711	187,800	0.377%
64R/40R	November 2000	0	57,400	0.000%
64R/40R	December 2000	530	53,300	0.985%
64R/40R	January 2001	0	10,600	0.000%
64R/40R	February 2001	0	6,500	0.000%
64R/40R	March 2001	200	152,800	0.131%
64R/40R	April 2001	711	1,244,900	0.057%
64R/40R	May 2001	1,406	1,450,100	0.097%
64R/40R	June 2001	586	719,300	0.081%
64R/40R	July 2001	609	463,600	0.131%
64R/40R	August 2001	562	222,400	0.252%
64R/40R	September 2001	225	35,600	0.628%
64R/40R	October 2001	150	21,400	0.696%
64R/40R	November 2001	325	700	31.707%
64R/40R	December 2001	925	1,200	43.529%
64R/40R	January 2002	350	400	46.667%
64R/40R	February 2002	275	100	73.333%
64R/40R	March 2002	125	9,200	1.340%
64R/40R	April 2002	75	140,900	0.053%
64R/40R	May 2002	39	348,900	0.011%
64R/40R	June 2002	136	431,800	0.031%
64R/40R	July 2002	125	248,500	0.050%
64R/40R	August 2002	75	73,900	0.101%
64R/40R	September 2002	110	14,900	0.733%
64R/40R	October 2002	760	15,000	4.822%
64R/40R	November 2002	175	79,600	0.219%
64R/40R	December 2002	25	275,600	0.009%
64R/40R	January 2003	40	380,100	0.011%
64R/40R	February 2003	200	253,900	0.079%
64R/40R	March 2003	125	304,200	0.041%
64R/40R	April 2003	1,600	1,684,400	0.095%
64R/40R	May 2003	370	571,600	0.065%
64R/40R	June 2003	175	483,000	0.036%
64R/40R	July 2003	750	525,200	0.143%
64R/40R	August 2003	300	580,600	0.052%
64R/40R	September 2003	1,150	639,200	0.180%
64R/40R	October 2003	975	717,300	0.136%
64R/40R	November 2003	200	563,400	0.035%
64R/40R	December 2003	625	290,500	0.215%
64R/40R	January 2004	50	233,000	0.021%
64R/40R	February 2004	250	1,015,000	0.025%
64R/40R	March 2004	325	897,300	0.036%
64R/40R	April 2004	975	705,000	0.138%
64R/40R	May 2004	125	629,500	0.020%
64R/40R	June 2004	736	923,500	0.080%
64R/40R	July 2004	380	693,900	0.055%
64R/40R	August 2004	250	330,800	0.076%
64R/40R	September 2004	350	675,600	0.052%
64R/40R	October 2004	175	472,200	0.037%
64R/40R	November 2004	150	566,100	0.026%
64R/40R	December 2004	350	630,500	0.055%
64R/40R	January 2005	575	357,900	0.160%
64R/40R	February 2005	400	228,400	0.175%
64R/40R	March 2005	175	292,400	0.060%

Table F-1
East Street Area 2- South Automated LNAPL Recovery System Monthly Efficiency Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

RECOVERY SYSTEM	DATE	RECOVERY (Gallons)		LNAPL RECOVERY EFFICIENCY
		LNAPL	GROUNDWATER	
64R/40R	April 2005	575	1,071,000	0.054%
64R/40R	May 2005	550	931,300	0.059%
64R/40R	June 2005	325	643,200	0.051%
64R/40R	July 2005	225	260,800	0.086%
64R/40R	August 2005	250	73,300	0.340%
64R/40R	September 2005	50	10,200	0.488%
64R/40R	October 2005	75	492,200	0.015%
64R/40R	November 2005	125	988,100	0.013%
64R/40R	December 2005	400	1,062,900	0.038%
64R/40R	January 2006	400	896,700	0.045%
64R/40R	February 2006	375	899,800	0.042%
64R/40R	March 2006	150	170,611	0.088%
64R/40R	April 2006	75	375,609	0.020%
64R/40R	May 2006	75	435,398	0.017%
64R/40R	June 2006	550	720,359	0.076%
64R/40R	July 2006	250	345,697	0.072%
64R/40R	August 2006	25	38,948	0.064%
64R/40R	September 2006	75	4,627	1.595%
64R/40R	October 2006	0	16,844	0.000%
64R/40R	November 2006	13	211,062	0.006%
64R/40R	December 2006	19	85,911	0.022%
64R/40R	January 2007	50	225,994	0.022%
64R/40R	February 2007	6	56,097	0.011%
64R/40R	March 2007	6	110,548	0.005%
64R/40R	April 2007	69	954,730	0.007%
64R/40R	May 2007	419	1,268,754	0.033%
64R/40R	June 2007	194	544,491	0.036%
64R/40R	July 2007	56	75,278	0.075%
64R/40R	August 2007	19	3,083	0.625%
64R/40R	September 2007	0	10	0.000%
64R/40R	October 2007	13	16	43.860%
64R/40R	November 2007	0	0	0.000%
64R/40R	December 2007	0	118	0.000%
64R/40R	January 2008	13	12,887	0.097%
64R/40R	February 2008	13	105,884	0.012%
64R/40R	March 2008	0	1,347,600	0.000%
64R/40R	April 2008	425	1,550,428	0.027%
64R/40R	May 2008	238	871,221	0.027%
64R/40R	June 2008	125	409,673	0.031%
64R/40R	July 2008	113	399,404	0.028%
64R/40R	August 2008	137	441,531	0.031%
64R/40R	September 2008	0	64,543	0.000%
64R/40R	October 2008	25	26,568	0.094%
64R/40R	November 2008	0	185,236	0.000%
64R/40R	December 2008	0	801,537	0.000%
64R	November 2002	0	79,600	0.000%
64R	December 2002	0	275,600	0.000%
64R	January 2003	23	380,100	0.006%
64R	February 2003	200	253,900	0.079%
64R	March 2003	125	304,200	0.041%
64R	April 2003	1,600	1,684,400	0.095%
64R	May 2003	370	571,600	0.065%
64R	June 2003	175	483,000	0.036%
64R	July 2003	750	525,200	0.143%
64R	August 2003	300	580,600	0.052%
64R	September 2003	1,150	639,200	0.180%
64R	October 2003	975	717,300	0.136%
64R	November 2003	200	563,400	0.035%
64R	December 2003	625	290,500	0.215%
64R	January 2004	50	233,000	0.021%
64R	February 2004	250	1,015,000	0.025%
64R	March 2004	325	897,300	0.036%
64R	April 2004	975	705,000	0.138%

Table F-1
East Street Area 2- South Automated LNAPL Recovery System Monthly Efficiency Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

RECOVERY SYSTEM	DATE	RECOVERY (Gallons)		LNAPL RECOVERY EFFICIENCY
		LNAPL	GROUNDWATER	
64R	May 2004	125	629,500	0.020%
64R	June 2004	736	923,500	0.080%
64R	July 2004	380	693,900	0.055%
64R	August 2004	250	330,800	0.076%
64R	September 2004	350	675,600	0.052%
64R	October 2004	175	472,200	0.037%
64R	November 2004	150	566,100	0.026%
64R	December 2004	350	630,500	0.055%
64R	January 2005	575	357,900	0.160%
64R	February 2005	400	228,400	0.175%
64R	March 2005	175	292,400	0.060%
64R	April 2005	575	1,071,000	0.054%
64R	May 2005	550	931,300	0.059%
64R	June 2005	325	643,200	0.051%
64R	July 2005	225	260,800	0.086%
64R	August 2005	250	73,300	0.340%
64R	September 2005	50	10,200	0.488%
64R	October 2005	75	492,200	0.015%
64R	November 2005	125	988,100	0.013%
64R	December 2005	400	1,062,900	0.038%
64R	January 2006	400	896,700	0.045%
64R	February 2006	375	899,800	0.042%
64R	March 2006	150	170,611	0.088%
64R	April 2006	75	375,609	0.020%
64R	May 2006	75	435,398	0.017%
64R	June 2006	550	720,359	0.076%
64R	July 2006	250	345,697	0.072%
64R	August 2006	25	38,948	0.064%
64R	September 2006	75	4,627	1.595%
64R	October 2006	0	16,844	0.000%
64R	November 2006	13	211,062	0.006%
64R	December 2006	19	85,911	0.022%
64R	January 2007	50	225,994	0.022%
64R	February 2007	6	56,097	0.011%
64R	March 2007	6	110,548	0.005%
64R	April 2007	69	954,730	0.007%
64R	May 2007	419	1,268,754	0.033%
64R	June 2007	194	544,491	0.036%
64R	July 2007	56	75,278	0.075%
64R	August 2007	19	3,083	0.625%
64R	September 2007	0	10	0.000%
64R	October 2007	13	16	43.860%
64R	November 2007	0	0	0.000%
64R	December 2007	0	118	0.000%
64R	January 2008	13	12,887	0.097%
64R	February 2008	13	105,884	0.012%
64R	March 2008	0	1,347,600	0.000%
64R	April 2008	425	1,550,428	0.027%
64R	May 2008	238	871,221	0.027%
64R	June 2008	125	409,673	0.031%
64R	July 2008	113	399,404	0.028%
64R	August 2008	137	441,531	0.031%
64R	September 2008	0	64,543	0.000%
64R	October 2008	25	26,568	0.094%
64R	November 2008	0	185,236	0.000%
64R	December 2008	0	801,537	0.000%
64S/RW-1S	January 2000	617	1,532,663	0.040%
64S/RW-1S	February 2000	1,055	1,650,337	0.064%
64S/RW-1S	March 2000	250	1,946,208	0.013%
64S/RW-1S	April 2000	1,383	1,470,808	0.094%
64S/RW-1S	May 2000	1,172	1,584,694	0.074%
64S/RW-1S	June 2000	1,726	2,157,987	0.080%
64S/RW-1S	July 2000	1,750	1,600,060	0.109%

Table F-1
East Street Area 2- South Automated LNAPL Recovery System Monthly Efficiency Summary

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

RECOVERY SYSTEM	DATE	RECOVERY (Gallons)		LNAPL RECOVERY EFFICIENCY
		LNAPL	GROUNDWATER	
64S/RW-1S	August 2000	641	1,379,258	0.046%
64S/RW-1S	September 2000	641	996,810	0.064%
64S/RW-1S	October 2000	1,226	871,578	0.140%
64S/RW-1S	November 2000	0	1,085,847	0.000%
64S/RW-1S	December 2000	625	863,788	0.072%
64S/RW-1S	January 2001	600	676,673	0.089%
64S/RW-1S	February 2001	508	596,535	0.085%
64S/RW-1S	March 2001	763	891,645	0.085%
64S/RW-1S	April 2001	565	2,316,237	0.024%
64S/RW-1S	May 2001	1,306	2,063,073	0.063%
64S/RW-1S	June 2001	559	1,551,527	0.036%
64S/RW-1S	July 2001	1,287	1,096,585	0.117%
64S/RW-1S	August 2001	0	1,066,679	0.000%
64S/RW-1S	September 2001	438	654,690	0.067%
64S/RW-1S	October 2001	575	777,424	0.074%
64S/RW-1S	November 2001	175	489,480	0.036%
64S/RW-1S	December 2001	525	567,763	0.092%
64S/RW-1S	January 2002	150	673,821	0.022%
64S/RW-1S	February 2002	350	597,318	0.059%
64S/RW-1S	March 2002	500	640,400	0.078%
64S/RW-1S	April 2002	575	1,126,277	0.051%
64S/RW-1S	May 2002	438	1,727,392	0.025%
64S/RW-1S	June 2002	695	1,388,697	0.050%
64S/RW-1S	July 2002	675	1,303,341	0.052%
64S/RW-1S	August 2002	921	966,838	0.095%
64S/RW-1S	September 2002	225	523,526	0.043%
64S/RW-1S	October 2002	225	975,006	0.023%
64S/RW-1S	November 2002	300	911,878	0.033%
64S/RW-1S	December 2002	150	1,229,860	0.012%
64S/RW-1S	January 2003	100	985,957	0.010%
64S/RW-1S	February 2003	100	848,255	0.012%
64S/RW-1S	March 2003	100	932,748	0.011%
64S/RW-1S	April 2003	625	1,785,502	0.035%
64S/RW-1S	May 2003	460	1,325,173	0.035%
64S/RW-1S	June 2003	950	1,082,960	0.088%
64S/RW-1S	July 2003	750	869,987	0.086%
64S/RW-1S	August 2003	50	1,078,564	0.005%
64S/RW-1S	September 2003	50	1,255,421	0.004%
64S/RW-1S	October 2003	175	2,287,521	0.008%
64S/RW-1S	November 2003	1,250	2,197,459	0.057%
64S/RW-1S	December 2003	925	3,206,990	0.029%
64S/RW-1S	January 2004	1,150	2,434,405	0.047%
64S/RW-1S	February 2004	275	1,484,348	0.019%
64S/RW-1S	March 2004	1,302	1,916,724	0.068%
64S/RW-1S	April 2004	1,450	1,960,287	0.074%
64S/RW-1S	May 2004	1,081	2,118,687	0.051%
64S/RW-1S	June 2004	1,191	2,077,259	0.057%
64S/RW-1S	July 2004	350	1,019,179	0.034%
64S/RW-1S	August 2004	388	950,596	0.041%
64S/RW-1S	September 2004	1,154	1,595,922	0.072%
64S/RW-1S	October 2004	325	2,127,012	0.015%
64S/RW-1S	November 2004	625	1,899,324	0.033%
64S/RW-1S	December 2004	102	2,510,160	0.004%
64S/RW-1S	January 2005	125	1,842,880	0.007%
64S/RW-1S	February 2005	138	1,755,213	0.008%
64S/RW-1S	March 2005	325	2,023,474	0.016%
64S/RW-1S	April 2005	500	1,903,377	0.026%
64S/RW-1S	May 2005	300	1,573,177	0.019%
64S/RW-1S	June 2005	275	1,635,809	0.017%
64S/RW-1S	July 2005	27	1,144,427	0.002%
64S/RW-1S	August 2005	250	1,051,908	0.024%
64S/RW-1S	September 2005	325	700,349	0.046%
64S/RW-1S	October 2005	125	1,325,184	0.009%

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		LNAPL	GROUNDWATER	
64S/RW-1S	November 2005	366	2,118,069	0.017%
64S/RW-1S	December 2005	210	1,828,769	0.011%
64S/RW-1S	January 2006	275	1,351,023	0.020%
64S/RW-1S	February 2006	700	2,346,900	0.030%
64S/RW-1S	March 2006	1,325	2,128,435	0.062%
64S/RW-1S	April 2006	615	1,433,266	0.043%
64S/RW-1S	May 2006	128	1,412,731	0.009%
64S/RW-1S	June 2006	386	1,996,110	0.019%
64S/RW-1S	July 2006	500	1,455,740	0.034%
64S/RW-1S	August 2006	255	1,387,443	0.018%
64S/RW-1S	September 2006	200	947,858	0.021%
64S/RW-1S	October 2006	113	984,494	0.011%
64S/RW-1S	November 2006	160	1,559,961	0.010%
64S/RW-1S	December 2006	252	1,344,749	0.019%
64S/RW-1S	January 2007	396	1,671,561	0.024%
64S/RW-1S	February 2007	398	714,132	0.056%
64S/RW-1S	March 2007	112	1,449,403	0.008%
64S/RW-1S	April 2007	211	1,928,006	0.011%
64S/RW-1S	May 2007	287	2,881,435	0.010%
64S/RW-1S	June 2007	225	1,700,724	0.013%
64S/RW-1S	July 2007	172	1,244,844	0.014%
64S/RW-1S	August 2007	81	885,145	0.009%
64S/RW-1S	September 2007	169	557,471	0.030%
64S/RW-1S	October 2007	475	569,341	0.083%
64S/RW-1S	November 2007	63	588,077	0.011%
64S/RW-1S	December 2007	68	720,829	0.009%
64S/RW-1S	January 2008	345	1,359,234	0.025%
64S/RW-1S	February 2008	569	1,828,306	0.031%
64S/RW-1S	March 2008	344	2,304,583	0.015%
64S/RW-1S	April 2008	600	2,338,827	0.026%
64S/RW-1S	May 2008	577	1,776,943	0.032%
64S/RW-1S	June 2008	394	1,357,700	0.029%
64S/RW-1S	July 2008	313	1,551,978	0.020%
64S/RW-1S	August 2008	221	1,171,456	0.019%
64S/RW-1S	September 2008	450	983,115	0.046%
64S/RW-1S	October 2008	118	1,067,774	0.011%
64S/RW-1S	November 2008	87	933,589	0.009%
64S/RW-1S	December 2008	247	1,649,594	0.015%
64S	January 2000	N/A	451,868	N/A
64S	February 2000	N/A	346,332	N/A
64S	March 2000	N/A	867,475	N/A
64S	April 2000	N/A	774,526	N/A
64S	May 2000	N/A	916,584	N/A
64S	June 2000	N/A	1,096,916	N/A
64S	July 2000	N/A	867,207	N/A
64S	August 2000	N/A	733,130	N/A
64S	September 2000	N/A	603,778	N/A
64S	October 2000	N/A	470,680	N/A
64S	November 2000	N/A	403,206	N/A
64S	December 2000	N/A	225,527	N/A
64S	January 2001	N/A	257,090	N/A
64S	February 2001	N/A	220,025	N/A
64S	March 2001	N/A	382,867	N/A
64S	April 2001	N/A	1,264,422	N/A
64S	May 2001	N/A	1,093,644	N/A
64S	June 2001	N/A	747,162	N/A
64S	July 2001	N/A	475,680	N/A
64S	August 2001	N/A	430,610	N/A
64S	September 2001	N/A	144,496	N/A
64S	October 2001	N/A	146,143	N/A
64S	November 2001	N/A	56,711	N/A
64S	December 2001	N/A	125,565	N/A
64S	January 2002	N/A	156,877	N/A

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		LNAPL	GROUNDWATER	
64S	February 2002	N/A	158,796	N/A
64S	March 2002	N/A	242,236	N/A
64S	April 2002	N/A	463,704	N/A
64S	May 2002	N/A	814,253	N/A
64S	June 2002	N/A	659,355	N/A
64S	July 2002	N/A	553,656	N/A
64S	August 2002	N/A	217,153	N/A
64S	September 2002	N/A	58,536	N/A
64S	October 2002	N/A	324,556	N/A
64S	November 2002	N/A	311,198	N/A
64S	December 2002	0	387,100	0.000%
64S	January 2003	0	310,806	0.000%
64S	February 2003	0	271,609	0.000%
64S	March 2003	0	246,416	0.000%
64S	April 2003	625	630,314	0.099%
64S	May 2003	460	445,090	0.103%
64S	June 2003	950	276,675	0.342%
64S	July 2003	750	48,725	1.516%
64S	August 2003	38	302,161	0.013%
64S	September 2003	0	443,631	0.000%
64S	October 2003	150	983,801	0.015%
64S	November 2003	1,198	1,041,476	0.115%
64S	December 2003	925	1,529,896	0.060%
64S	January 2004	1,054	1,237,777	0.085%
64S	February 2004	224	651,804	0.034%
64S	March 2004	1,271	802,349	0.158%
64S	April 2004	1,374	947,810	0.145%
64S	May 2004	1,045	1,062,518	0.098%
64S	June 2004	772	968,659	0.080%
64S	July 2004	154	349,705	0.044%
64S	August 2004	230	240,781	0.095%
64S	September 2004	995	681,275	0.146%
64S	October 2004	324	1,034,272	0.031%
64S	November 2004	625	902,053	0.069%
64S	December 2004	91	1,147,526	0.008%
64S	January 2005	75	844,225	0.009%
64S	February 2005	97	821,010	0.012%
64S	March 2005	282	905,525	0.031%
64S	April 2005	499	1,039,179	0.048%
64S	May 2005	300	660,761	0.045%
64S	June 2005	275	527,949	0.052%
64S	July 2005	10	330,937	0.003%
64S	August 2005	218	271,691	0.080%
64S	September 2005	321	172,650	0.186%
64S	October 2005	82	541,419	0.015%
64S	November 2005	324	1,014,521	0.032%
64S	December 2005	170	927,871	0.018%
64S	January 2006	245	1,080,795	0.023%
64S	February 2006	673	1,304,005	0.052%
64S	March 2006	1,285	1,078,733	0.119%
64S	April 2006	558	696,282	0.080%
64S	May 2006	51	668,110	0.008%
64S	June 2006	327	1,061,071	0.031%
64S	July 2006	472	732,853	0.064%
64S	August 2006	238	646,128	0.037%
64S	September 2006	188	393,032	0.048%
64S	October 2006	82	400,898	0.020%
64S	November 2006	75	682,641	0.011%
64S	December 2006	209	638,261	0.033%
64S	January 2007	372	856,752	0.043%
64S	February 2007	376	584,460	0.064%
64S	March 2007	90	699,541	0.013%
64S	April 2007	189	1,020,240	0.018%

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		LNAPL	GROUNDWATER	
64S	May 2007	265	1,615,013	0.016%
64S	June 2007	197	778,200	0.025%
64S	July 2007	158	516,126	0.031%
64S	August 2007	58	351,341	0.016%
64S	September 2007	93	169,177	0.055%
64S	October 2007	339	171,979	0.196%
64S	November 2007	0	181,928	0.000%
64S	December 2007	0	261,518	0.000%
64S	January 2008	310	688,788	0.045%
64S	February 2008	539	1,072,465	0.050%
64S	March 2008	336	1,395,857	0.024%
64S	April 2008	559	1,838,725	0.030%
64S	May 2008	535	1,020,487	0.052%
64S	June 2008	355	757,728	0.047%
64S	July 2008	258	838,706	0.031%
64S	August 2008	158	644,757	0.024%
64S	September 2008	426	540,952	0.079%
64S	October 2008	75	561,266	0.013%
64S	November 2008	60	438,215	0.014%
64S	December 2008	175	782,047	0.022%
RW-1S	January 2001	N/A	419,583	N/A
RW-1S	February 2001	N/A	376,510	N/A
RW-1S	March 2001	N/A	508,778	N/A
RW-1S	April 2001	N/A	1,051,815	N/A
RW-1S	May 2001	N/A	969,429	N/A
RW-1S	June 2001	N/A	804,365	N/A
RW-1S	July 2001	N/A	620,905	N/A
RW-1S	August 2001	N/A	636,069	N/A
RW-1S	September 2001	N/A	510,194	N/A
RW-1S	October 2001	N/A	631,281	N/A
RW-1S	November 2001	N/A	432,769	N/A
RW-1S	December 2001	N/A	442,198	N/A
RW-1S	January 2002	N/A	516,944	N/A
RW-1S	February 2002	N/A	438,522	N/A
RW-1S	March 2002	N/A	398,164	N/A
RW-1S	April 2002	N/A	662,573	N/A
RW-1S	May 2002	N/A	913,139	N/A
RW-1S	June 2002	N/A	729,342	N/A
RW-1S	July 2002	N/A	749,685	N/A
RW-1S	August 2002	N/A	749,685	N/A
RW-1S	September 2002	N/A	464,990	N/A
RW-1S	October 2002	N/A	650,450	N/A
RW-1S	November 2002	N/A	600,680	N/A
RW-1S	December 2002	150	842,760	0.018%
RW-1S	January 2003	100	675,151	0.015%
RW-1S	February 2003	100	576,646	0.017%
RW-1S	March 2003	100	686,332	0.015%
RW-1S	April 2003	0	1,155,188	0.000%
RW-1S	May 2003	0	880,083	0.000%
RW-1S	June 2003	0	806,285	0.000%
RW-1S	July 2003	0	821,262	0.000%
RW-1S	August 2003	12	776,403	0.002%
RW-1S	September 2003	50	811,790	0.006%
RW-1S	October 2003	25	1,303,720	0.002%
RW-1S	November 2003	52	1,155,983	0.004%
RW-1S	December 2003	0	1,677,094	0.000%
RW-1S	January 2004	96	1,196,628	0.008%
RW-1S	February 2004	51	832,544	0.006%
RW-1S	March 2004	31	1,114,375	0.003%
RW-1S	April 2004	76	1,012,477	0.008%
RW-1S	May 2004	36	1,056,169	0.003%
RW-1S	June 2004	419	1,108,600	0.038%
RW-1S	July 2004	196	669,474	0.029%

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		LNAPL	GROUNDWATER	
RW-1S	August 2004	158	709,815	0.022%
RW-1S	September 2004	159	914,647	0.017%
RW-1S	October 2004	1	1,092,740	0.000%
RW-1S	November 2004	0	997,271	0.000%
RW-1S	December 2004	11	1,362,634	0.001%
RW-1S	January 2005	50	998,655	0.005%
RW-1S	February 2005	41	934,203	0.004%
RW-1S	March 2005	43	1,117,949	0.004%
RW-1S	April 2005	1	864,198	0.000%
RW-1S	May 2005	0	912,416	0.000%
RW-1S	June 2005	0	1,107,860	0.000%
RW-1S	July 2005	17	813,490	0.002%
RW-1S	August 2005	32	780,217	0.004%
RW-1S	September 2005	4	527,699	0.001%
RW-1S	October 2005	43	783,765	0.005%
RW-1S	November 2005	42	1,103,548	0.004%
RW-1S	December 2005	40	900,898	0.004%
RW-1S	January 2006	30	270,228	0.011%
RW-1S	February 2006	27	1,042,895	0.003%
RW-1S	March 2006	40	1,049,702	0.004%
RW-1S	April 2006	57	736,984	0.008%
RW-1S	May 2006	77	744,621	0.010%
RW-1S	June 2006	59	935,039	0.006%
RW-1S	July 2006	28	722,887	0.004%
RW-1S	August 2006	17	741,315	0.002%
RW-1S	September 2006	12	554,826	0.002%
RW-1S	October 2006	31	583,596	0.005%
RW-1S	November 2006	85	877,320	0.010%
RW-1S	December 2006	43	706,488	0.006%
RW-1S	January 2007	24	814,809	0.003%
RW-1S	February 2007	22	129,672	0.017%
RW-1S	March 2007	22	749,862	0.003%
RW-1S	April 2007	22	907,766	0.002%
RW-1S	May 2007	22	1,266,422	0.002%
RW-1S	June 2007	28	922,524	0.003%
RW-1S	July 2007	14	728,718	0.002%
RW-1S	August 2007	24	533,804	0.004%
RW-1S	September 2007	76	388,294	0.020%
RW-1S	October 2007	137	397,362	0.034%
RW-1S	November 2007	63	406,149	0.015%
RW-1S	December 2007	68	459,311	0.015%
RW-1S	January 2008	35	670,446	0.005%
RW-1S	February 2008	30	755,841	0.004%
RW-1S	March 2008	8	908,726	0.001%
RW-1S	April 2008	41	500,102	0.008%
RW-1S	May 2008	42	756,456	0.006%
RW-1S	June 2008	39	599,972	0.006%
RW-1S	July 2008	55	713,272	0.008%
RW-1S	August 2008	63	526,699	0.012%
RW-1S	September 2008	24	442,163	0.005%
RW-1S	October 2008	43	506,508	0.008%
RW-1S	November 2008	27	495,374	0.005%
RW-1S	December 2008	72	867,547	0.008%
64V	January 2000	688	936,500	0.073%
64V	February 2000	1,427	746,300	0.191%
64V	March 2000	1,432	1,202,400	0.119%
64V	April 2000	1,297	1,008,800	0.128%
64V	May 2000	703	1,260,800	0.056%
64V	June 2000	690	1,203,600	0.057%
64V	July 2000	0	1,234,700	0.000%
64V	August 2000	618	1,325,800	0.047%
64V	September 2000	1,370	1,154,500	0.119%
64V	October 2000	707	1,088,100	0.065%

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		LNAPL	GROUNDWATER	
64V	November 2000	848	1,247,400	0.068%
64V	December 2000	1,188	1,034,500	0.115%
64V	January 2001	586	1,063,500	0.055%
64V	February 2001	726	951,900	0.076%
64V	March 2001	1,367	977,100	0.140%
64V	April 2001	640	1,404,300	0.046%
64V	May 2001	651	1,406,300	0.046%
64V	June 2001	0	1,160,600	0.000%
64V	July 2001	854	996,800	0.086%
64V	August 2001	740	1,138,800	0.065%
64V	September 2001	510	850,300	0.060%
64V	October 2001	967	1,030,800	0.094%
64V	November 2001	578	793,500	0.073%
64V	December 2001	1,139	808,600	0.141%
64V	January 2002	510	914,600	0.056%
64V	February 2002	612	831,000	0.074%
64V	March 2002	493	904,100	0.054%
64V	April 2002	1,190	1,165,300	0.102%
64V	May 2002	664	814,253	0.081%
64V	June 2002	1,266	1,083,300	0.117%
64V	July 2002	265	1,181,700	0.022%
64V	August 2002	5	881,500	0.001%
64V	September 2002	306	784,500	0.039%
64V	October 2002	663	970,300	0.068%
64V	November 2002	663	845,000	0.078%
64V	December 2002	675	1,134,300	0.059%
64V	January 2003	1,492	1,055,400	0.141%
64V	February 2003	527	982,200	0.054%
64V	March 2003	374	1,048,800	0.036%
64V	April 2003	425	1,752,300	0.024%
64V	May 2003	220	1,202,200	0.018%
64V	June 2003	408	1,092,800	0.037%
64V	July 2003	408	1,184,900	0.034%
64V	August 2003	391	1,026,400	0.038%
64V	September 2003	867	1,020,100	0.085%
64V	October 2003	1,071	1,482,600	0.072%
64V	November 2003	1,377	1,309,800	0.105%
64V	December 2003	2,261	1,719,700	0.131%
64V	January 2004	1,768	1,366,300	0.129%
64V	February 2004	408	1,091,800	0.037%
64V	March 2004	1,173	1,370,200	0.086%
64V	April 2004	1,598	1,212,000	0.132%
64V	May 2004	933	1,313,100	0.071%
64V	June 2004	879	1,444,400	0.061%
64V	July 2004	798	940,100	0.085%
64V	August 2004	772	875,900	0.088%
64V	September 2004	1,170	1,385,900	0.084%
64V	October 2004	920	1,221,100	0.075%
64V	November 2004	551	1,108,200	0.050%
64V	December 2004	832	1,460,100	0.057%
64V	January 2005	747	1,103,300	0.068%
64V	February 2005	622	1,095,400	0.057%
64V	March 2005	675	1,342,900	0.050%
64V	April 2005	785	1,221,000	0.064%
64V	May 2005	254	996,400	0.025%
64V	June 2005	515	1,177,700	0.044%
64V	July 2005	465	922,700	0.050%
64V	August 2005	581	993,100	0.058%
64V	September 2005	349	714,700	0.049%
64V	October 2005	564	933,400	0.060%
64V	November 2005	515	1,304,100	0.039%
64V	December 2005	564	1,117,000	0.050%
64V	January 2006	697	1,208,800	0.058%

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RECOVERY SYSTEM	DATE	RECOVERY (Gallons)		LNAPL RECOVERY EFFICIENCY
		LNAPL	GROUNDWATER	
64V	February 2006	598	1,177,900	0.051%
64V	March 2006	315	1,251,800	0.025%
64V	April 2006	249	901,800	0.028%
64V	May 2006	431	911,700	0.047%
64V	June 2006	697	1,228,300	0.057%
64V	July 2006	548	885,300	0.062%
64V	August 2006	548	1,016,400	0.054%
64V	September 2006	332	794,600	0.042%
64V	October 2006	432	825,400	0.052%
64V	November 2006	855	1,181,500	0.072%
64V	December 2006	493	1,017,800	0.048%
64V	January 2007	680	1,131,400	0.060%
64V	February 2007	365	831,700	0.044%
64V	March 2007	357	981,000	0.036%
64V	April 2007	133	664,100	0.020%
64V	May 2007	1,480	1,325,500	0.112%
64V	June 2007	303	965,600	0.031%
64V	July 2007	423	720,200	0.059%
64V	August 2007	274	695,600	0.039%
64V	September 2007	199	521,700	0.038%
64V	October 2007	303	698,300	0.043%
64V	November 2007	374	636,800	0.059%
64V	December 2007	448	657,800	0.068%
64V	January 2008	563	786,200	0.072%
64V	February 2008	685	881,400	0.078%
64V	March 2008	995	1,022,300	0.097%
64V	April 2008	809	1,458,900	0.055%
64V	May 2008	316	1,007,100	0.031%
64V	June 2008	219	828,700	0.026%
64V	July 2008	365	965,000	0.038%
64V	August 2008	623	719,400	0.087%
64V	September 2008	357	678,100	0.053%
64V	October 2008	607	842,100	0.072%
64V	November 2008	582	744,300	0.078%
64V	December 2008	1,024	1,112,100	0.092%
64X/RW-1X	January 2000	0	1,128,600	0.000%
64X/RW-1X	February 2000	128	998,200	0.013%
64X/RW-1X	March 2000	339	1,543,000	0.022%
64X/RW-1X	April 2000	110	1,103,700	0.010%
64X/RW-1X	May 2000	53	1,309,400	0.004%
64X/RW-1X	June 2000	28	1,170,800	0.002%
64X/RW-1X	July 2000	0	1,189,500	0.000%
64X/RW-1X	August 2000	38	1,581,400	0.002%
64X/RW-1X	September 2000	122	1,283,700	0.010%
64X/RW-1X	October 2000	20	1,268,600	0.002%
64X/RW-1X	November 2000	43	1,446,400	0.003%
64X/RW-1X	December 2000	15	1,151,800	0.001%
64X/RW-1X	January 2001	63	1,317,700	0.005%
64X/RW-1X	February 2001	0	1,045,900	0.000%
64X/RW-1X	March 2001	53	1,179,300	0.004%
64X/RW-1X	April 2001	55	1,261,400	0.004%
64X/RW-1X	May 2001	13	1,340,900	0.001%
64X/RW-1X	June 2001	0	1,445,500	0.000%
64X/RW-1X	July 2001	13	1,097,000	0.001%
64X/RW-1X	August 2001	18	1,313,700	0.001%
64X/RW-1X	September 2001	37	967,300	0.004%
64X/RW-1X	October 2001	60	1,243,700	0.005%
64X/RW-1X	November 2001	10	925,700	0.001%
64X/RW-1X	December 2001	40	1,008,200	0.004%
64X/RW-1X	January 2002	5	1,132,000	0.000%
64X/RW-1X	February 2002	15	909,300	0.002%
64X/RW-1X	March 2002	20	924,600	0.002%
64X/RW-1X	April 2002	10	985,100	0.001%

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		LNAPL	GROUNDWATER	
64X/RW-1X	May 2002	10	1,249,300	0.001%
64X/RW-1X	June 2002	20	950,700	0.002%
64X/RW-1X	July 2002	0	1,193,400	0.000%
64X/RW-1X	August 2002	0	910,800	0.000%
64X/RW-1X	September 2002	15	850,700	0.002%
64X/RW-1X	October 2002	53	1,094,800	0.005%
64X/RW-1X	November 2002	50	921,500	0.005%
64X/RW-1X	December 2002	15	901,900	0.002%
64X/RW-1X	January 2003	7	694,200	0.001%
64X/RW-1X	February 2003	2	688,300	0.000%
64X/RW-1X	March 2003	5	888,200	0.001%
64X/RW-1X	April 2003	10	1,193,700	0.001%
64X/RW-1X	May 2003	15	886,100	0.002%
64X/RW-1X	June 2003	25	905,300	0.003%
64X/RW-1X	July 2003	20	1,041,500	0.002%
64X/RW-1X	August 2003	30	902,500	0.003%
64X/RW-1X	September 2003	25	889,900	0.003%
64X/RW-1X	October 2003	10	1,150,900	0.001%
64X/RW-1X	November 2003	10	891,700	0.001%
64X/RW-1X	December 2003	5	1,079,100	0.000%
64X/RW-1X	January 2004	10	1,103,400	0.001%
64X/RW-1X	February 2004	2	785,800	0.000%
64X/RW-1X	March 2004	5	1,006,100	0.000%
64X/RW-1X	April 2004	0	775,900	0.000%
64X/RW-1X	May 2004	10	800,400	0.001%
64X/RW-1X	June 2004	10	972,300	0.001%
64X/RW-1X	July 2004	10	767,100	0.001%
64X/RW-1X	August 2004	31	862,000	0.004%
64X/RW-1X	September 2004	61	1,018,900	0.006%
64X/RW-1X	October 2004	5	904,600	0.001%
64X/RW-1X	November 2004	10	791,700	0.001%
64X/RW-1X	December 2004	10	962,100	0.001%
64X/RW-1X	January 2005	5	777,800	0.001%
64X/RW-1X	February 2005	5	733,600	0.001%
64X/RW-1X	March 2005	5	932,100	0.001%
64X/RW-1X	April 2005	0	772,300	0.000%
64X/RW-1X	May 2005	0	608,100	0.000%
64X/RW-1X	June 2005	5	832,700	0.001%
64X/RW-1X	July 2005	15	527,400	0.003%
64X/RW-1X	August 2005	20	631,600	0.003%
64X/RW-1X	September 2005	25	483,200	0.005%
64X/RW-1X	October 2005	25	702,500	0.004%
64X/RW-1X	November 2005	0	880,300	0.000%
64X/RW-1X	December 2005	6	742,100	0.001%
64X/RW-1X	January 2006	1	835,100	0.000%
64X/RW-1X	February 2006	1	770,300	0.000%
64X/RW-1X	March 2006	1	623,720	0.000%
64X/RW-1X	April 2006	1	807,140	0.000%
64X/RW-1X	May 2006	83	789,028	0.011%
64X/RW-1X	June 2006	14	1,080,033	0.001%
64X/RW-1X	July 2006	28	757,841	0.004%
64X/RW-1X	August 2006	127	975,215	0.013%
64X/RW-1X	September 2006	25	777,961	0.003%
64X/RW-1X	October 2006	68	801,149	0.009%
64X/RW-1X	November 2006	16	1,035,363	0.002%
64X/RW-1X	December 2006	15	881,448	0.002%
64X/RW-1X	January 2007	25	1,006,567	0.002%
64X/RW-1X	February 2007	3	788,365	0.000%
64X/RW-1X	March 2007	23	888,714	0.003%
64X/RW-1X	April 2007	18	874,431	0.002%
64X/RW-1X	May 2007	7	1,015,491	0.001%
64X/RW-1X	June 2007	0	835,822	0.000%
64X/RW-1X	July 2007	4	720,576	0.000%

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		LNAPL	GROUNDWATER	
64X/RW-1X	August 2007	83	976,358	0.008%
64X/RW-1X	September 2007	191	803,492	0.024%
64X/RW-1X	October 2007	110	953,660	0.012%
64X/RW-1X	November 2007	116	796,898	0.015%
64X/RW-1X	December 2007	34	859,529	0.004%
64X/RW-1X	January 2008	15	954,033	0.002%
64X/RW-1X	February 2008	14	855,785	0.002%
64X/RW-1X	March 2008	20	778,684	0.003%
64X/RW-1X	April 2008	20	994,805	0.002%
64X/RW-1X	May 2008	25	771,401	0.003%
64X/RW-1X	June 2008	34	751,008	0.005%
64X/RW-1X	July 2008	29	972,737	0.003%
64X/RW-1X	August 2008	21	750,750	0.003%
64X/RW-1X	September 2008	21	759,748	0.003%
64X/RW-1X	October 2008	12	947,769	0.001%
64X/RW-1X	November 2008	15	758,891	0.002%
64X/RW-1X	December 2008	24	967,545	0.003%
64X	January 2000	N/A	417,600	N/A
64X	February 2000	N/A	403,200	N/A
64X	March 2000	N/A	504,000	N/A
64X	April 2000	N/A	403,200	N/A
64X	May 2000	N/A	504,000	N/A
64X	June 2000	N/A	403,200	N/A
64X	July 2000	N/A	403,200	N/A
64X	August 2000	N/A	504,000	N/A
64X	September 2000	N/A	403,200	N/A
64X	October 2000	N/A	417,600	N/A
64X	November 2000	N/A	504,000	N/A
64X	December 2000	N/A	417,600	N/A
64X	January 2001	N/A	489,600	N/A
64X	February 2001	N/A	403,200	N/A
64X	March 2001	N/A	403,200	N/A
64X	April 2001	N/A	403,200	N/A
64X	May 2001	N/A	504,000	N/A
64X	June 2001	N/A	702,800	N/A
64X	July 2001	N/A	403,200	N/A
64X	August 2001	N/A	504,000	N/A
64X	September 2001	N/A	403,200	N/A
64X	October 2001	N/A	504,000	N/A
64X	November 2001	N/A	403,200	N/A
64X	December 2001	N/A	403,200	N/A
64X	January 2002	N/A	446,400	N/A
64X	February 2002	N/A	403,200	N/A
64X	March 2002	N/A	403,200	N/A
64X	April 2002	N/A	403,200	N/A
64X	May 2002	N/A	518,400	N/A
64X	June 2002	N/A	403,200	N/A
64X	July 2002	N/A	507,000	N/A
64X	August 2002	N/A	403,200	N/A
64X	September 2002	N/A	388,800	N/A
64X	October 2002	48	504,000	0.010%
64X	November 2002	50	403,200	0.012%
64X	December 2002	10	489,600	0.002%
64X	January 2003	2	417,600	0.000%
64X	February 2003	2	403,200	0.000%
64X	March 2003	0	403,200	0.000%
64X	April 2003	5	504,000	0.001%
64X	May 2003	15	403,200	0.004%
64X	June 2003	25	403,200	0.006%
64X	July 2003	20	500,300	0.004%
64X	August 2003	30	403,200	0.007%
64X	September 2003	15	403,200	0.004%
64X	October 2003	10	460,800	0.002%

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		LNAPL	GROUNDWATER	
64X	November 2003	10	403,200	0.002%
64X	December 2003	5	504,000	0.001%
64X	January 2004	10	676,800	0.001%
64X	February 2004	2	403,200	0.000%
64X	March 2004	4	504,000	0.001%
64X	April 2004	0	388,800	0.000%
64X	May 2004	10	403,200	0.002%
64X	June 2004	5	518,400	0.001%
64X	July 2004	10	403,200	0.002%
64X	August 2004	31	388,800	0.008%
64X	September 2004	51	518,400	0.010%
64X	October 2004	5	403,200	0.001%
64X	November 2004	10	388,800	0.003%
64X	December 2004	10	518,400	0.002%
64X	January 2005	5	388,800	0.001%
64X	February 2005	5	403,200	0.001%
64X	March 2005	5	532,800	0.001%
64X	April 2005	0	417,600	0.000%
64X	May 2005	0	374,400	0.000%
64X	June 2005	5	504,400	0.001%
64X	July 2005	15	417,600	0.004%
64X	August 2005	20	489,600	0.004%
64X	September 2005	25	403,200	0.006%
64X	October 2005	25	403,200	0.006%
64X	November 2005	0	489,600	0.000%
64X	December 2005	6	417,600	0.001%
64X	January 2006	1	417,600	0.000%
64X	February 2006	1	388,800	0.000%
64X	March 2006	1	504,000	0.000%
64X	April 2006	1	403,200	0.000%
64X	May 2006	83	403,200	0.021%
64X	June 2006	14	518,400	0.003%
64X	July 2006	28	388,800	0.007%
64X	August 2006	127	504,000	0.025%
64X	September 2006	24	403,200	0.006%
64X	October 2006	68	403,200	0.017%
64X	November 2006	14	489,600	0.003%
64X	December 2006	15	446,400	0.003%
64X	January 2007	25	475,200	0.005%
64X	February 2007	3	403,200	0.001%
64X	March 2007	23	432,000	0.005%
64X	April 2007	12	388,800	0.003%
64X	May 2007	7	489,600	0.001%
64X	June 2007	0	403,200	0.000%
64X	July 2007	4	432,000	0.001%
64X	August 2007	83	489,600	0.017%
64X	September 2007	191	403,200	0.047%
64X	October 2007	110	475,200	0.023%
64X	November 2007	116	403,200	0.029%
64X	December 2007	34	432,000	0.008%
64X	January 2008	12	475,200	0.002%
64X	February 2008	14	417,600	0.003%
64X	March 2008	20	388,800	0.005%
64X	April 2008	20	504,000	0.004%
64X	May 2008	20	417,600	0.005%
64X	June 2008	34	403,200	0.008%
64X	July 2008	29	504,000	0.006%
64X	August 2008	21	403,200	0.005%
64X	September 2008	21	388,800	0.005%
64X	October 2008	12	504,000	0.002%
64X	November 2008	15	403,200	0.004%
64X	December 2008	24	504,000	0.005%

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		LNAPL	GROUNDWATER	
RW-1X	January 2000	N/A	711,000	N/A
RW-1X	February 2000	N/A	595,000	N/A
RW-1X	March 2000	N/A	1,039,000	N/A
RW-1X	April 2000	N/A	700,500	N/A
RW-1X	May 2000	N/A	805,400	N/A
RW-1X	June 2000	N/A	767,600	N/A
RW-1X	July 2000	N/A	786,300	N/A
RW-1X	August 2000	N/A	1,077,400	N/A
RW-1X	September 2000	N/A	880,500	N/A
RW-1X	October 2000	N/A	851,000	N/A
RW-1X	November 2000	N/A	942,400	N/A
RW-1X	December 2000	N/A	734,200	N/A
RW-1X	January 2001	N/A	828,100	N/A
RW-1X	February 2001	N/A	642,700	N/A
RW-1X	March 2001	N/A	776,100	N/A
RW-1X	April 2001	N/A	858,200	N/A
RW-1X	May 2001	N/A	836,900	N/A
RW-1X	June 2001	N/A	742,700	N/A
RW-1X	July 2001	N/A	693,800	N/A
RW-1X	August 2001	N/A	809,700	N/A
RW-1X	September 2001	N/A	564,100	N/A
RW-1X	October 2001	N/A	739,700	N/A
RW-1X	November 2001	N/A	522,500	N/A
RW-1X	December 2001	N/A	605,000	N/A
RW-1X	January 2002	N/A	685,600	N/A
RW-1X	February 2002	N/A	506,100	N/A
RW-1X	March 2002	N/A	521,400	N/A
RW-1X	April 2002	N/A	581,900	N/A
RW-1X	May 2002	N/A	730,900	N/A
RW-1X	June 2002	N/A	547,500	N/A
RW-1X	July 2002	N/A	686,400	N/A
RW-1X	August 2002	N/A	507,600	N/A
RW-1X	September 2002	N/A	461,900	N/A
RW-1X	October 2002	5	590,800	0.001%
RW-1X	November 2002	0	518,300	0.000%
RW-1X	December 2002	5	412,300	0.001%
RW-1X	January 2003	5	276,600	0.002%
RW-1X	February 2003	0	285,100	0.000%
RW-1X	March 2003	5	485,000	0.001%
RW-1X	April 2003	5	689,700	0.001%
RW-1X	May 2003	0	482,900	0.000%
RW-1X	June 2003	0	502,100	0.000%
RW-1X	July 2003	0	541,200	0.000%
RW-1X	August 2003	0	499,300	0.000%
RW-1X	September 2003	10	486,700	0.002%
RW-1X	October 2003	0	690,100	0.000%
RW-1X	November 2003	0	488,500	0.000%
RW-1X	December 2003	0	575,100	0.000%
RW-1X	January 2004	0	426,600	0.000%
RW-1X	February 2004	0	382,600	0.000%
RW-1X	March 2004	1	502,100	0.000%
RW-1X	April 2004	0	387,100	0.000%
RW-1X	May 2004	0	397,200	0.000%

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RECOVERY SYSTEM	DATE	RECOVERY (Gallons)		LNAPL RECOVERY EFFICIENCY
		LNAPL	GROUNDWATER	
RW-1X	June 2004	5	453,900	0.001%
RW-1X	July 2004	0	363,900	0.000%
RW-1X	August 2004	0	473,200	0.000%
RW-1X	September 2004	10	500,500	0.002%
RW-1X	October 2004	0	501,400	0.000%
RW-1X	November 2004	0	402,900	0.000%
RW-1X	December 2004	0	443,700	0.000%
RW-1X	January 2005	0	389,000	0.000%
RW-1X	February 2005	0	330,400	0.000%
RW-1X	March 2005	0	399,300	0.000%
RW-1X	April 2005	0	354,700	0.000%
RW-1X	May 2005	0	233,700	0.000%
RW-1X	June 2005	0	328,300	0.000%
RW-1X	July 2005	0	109,800	0.000%
RW-1X	August 2005	0	142,000	0.000%
RW-1X	September 2005	0	80,000	0.000%
RW-1X	October 2005	0	299,300	0.000%
RW-1X	November 2005	0	390,700	0.000%
RW-1X	December 2005	0	324,500	0.000%
RW-1X	January 2006	0	417,500	0.000%
RW-1X	February 2006	0	381,500	0.000%
RW-1X	March 2006	0	119,720	0.000%
RW-1X	April 2006	0	403,940	0.000%
RW-1X	May 2006	0	385,828	0.000%
RW-1X	June 2006	0	561,633	0.000%
RW-1X	July 2006	0	369,041	0.000%
RW-1X	August 2006	0	471,215	0.000%
RW-1X	September 2006	1.1	374,761	0.000%
RW-1X	October 2006	0	397,949	0.000%
RW-1X	November 2006	2	545,763	0.000%
RW-1X	December 2006	0	435,048	0.000%
RW-1X	January 2007	0	531,367	0.000%
RW-1X	February 2007	0	385,165	0.000%
RW-1X	March 2007	0	456,714	0.000%
RW-1X	April 2007	6	485,631	0.001%
RW-1X	May 2007	0	525,891	0.000%
RW-1X	June 2007	0	432,622	0.000%
RW-1X	July 2007	0	288,576	0.000%
RW-1X	August 2007	0	486,758	0.000%
RW-1X	September 2007	0	400,292	0.000%
RW-1X	October 2007	0	478,460	0.000%
RW-1X	November 2007	0	393,698	0.000%
RW-1X	December 2007	0	427,529	0.000%
RW-1X	January 2008	3	478,833	0.001%
RW-1X	February 2008	0	438,185	0.000%
RW-1X	March 2008	0	389,884	0.000%
RW-1X	April 2008	0	490,805	0.000%
RW-1X	May 2008	5	353,801	0.001%
RW-1X	June 2008	0	347,808	0.000%
RW-1X	July 2008	0	468,737	0.000%
RW-1X	August 2008	0	347,550	0.000%
RW-1X	September 2008	0	370,948	0.000%
RW-1X	October 2008	0	443,769	0.000%
RW-1X	November 2008	0	355,691	0.000%
RW-1X	December 2008	0	463,545	0.000%

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RECOVERY SYSTEM	DATE	RECOVERY (Gallons)		LNAPL RECOVERY EFFICIENCY
		LNAPL	GROUNDWATER	
RW-4	February 2008	0	500,986	0.000%
RW-4	March 2008	0	444,334	0.000%
RW-4	April 2008	0	803,319	0.000%
RW-4	May 2008	0	520,793	0.000%
RW-4	June 2008	0	435,556	0.000%
RW-4	July 2008	0	539,155	0.000%
RW-4	August 2008	0	365,500	0.000%
RW-4	September 2008	0	621,734	0.000%
RW-4	October 2008	0	668,152	0.000%
RW-4	November 2008	0	589,044	0.000%
RW-4	December 2008	0	883,093	0.000%
GMA1-17W	October 2006	21	N/A	N/A
GMA1-17W	November 2006	24	N/A	N/A
GMA1-17W	December 2006	13	N/A	N/A
GMA1-17W	January 2007	8	N/A	N/A
GMA1-17W	February 2007	6	N/A	N/A
GMA1-17W	March 2007	6	N/A	N/A
GMA1-17W	April 2007	2	N/A	N/A
GMA1-17W	May 2007	6	N/A	N/A
GMA1-17W	June 2007	5	N/A	N/A
GMA1-17W	July 2007	1	N/A	N/A
GMA1-17W	August 2007	2	N/A	N/A
GMA1-17W	September 2007	1	N/A	N/A
GMA1-17W	October 2007	1	N/A	N/A
GMA1-17W	November 2007	0	N/A	N/A
GMA1-17W	December 2007	0	N/A	N/A
GMA1-17W	January 2008	7	N/A	N/A
GMA1-17W	February 2008	8	N/A	N/A
GMA1-17W	March 2008	0	N/A	N/A
GMA1-17W	April 2008	0	N/A	N/A
GMA1-17W	May 2008	16	N/A	N/A
GMA1-17W	June 2008	3	N/A	N/A
GMA1-17W	July 2008	5	N/A	N/A
GMA1-17W	August 2008	13	N/A	N/A
GMA1-17W	September 2008	6	N/A	N/A
GMA1-17W	October 2008	7	N/A	N/A
GMA1-17W	November 2008	20	N/A	N/A
GMA1-17W	December 2008	3	N/A	N/A

NOTES:

1. LNAPL recovery efficiency = percentage of LNAPL removed compared to total liquid removal (i.e., LNAPL removal volume / groundwater removal volume + LNAPL removal volume).
2. LNAPL collection was recorded as a combined total from 40R/64R until November 2002; groundwater recovery is all from 64R. Data collected during and after November 2002 are recorded separately at each location and also combined to compare with prior efficiency data. Well 40R is an oil skimmer without associated groundwater removal. Therefore, apparent changes in the combined 64R/40R recovery efficiency may be associated with changes in the amount of LNAPL recovery by well 40R in comparison to the unrelated amount of groundwater recovered by well 64R.
3. LNAPL collection was recorded as a combined total from the RW-1(S) and 64S recovery systems until December 2002. Data collected during and after December 2002 are recorded separately at each location and also combined to compare with prior efficiency data.
4. LNAPL collection was recorded as a combined total from the RW-1(X) and 64X recovery systems until October 2002. Data collected during and after October 2002 are recorded separately at each location and also combined to compare with prior efficiency data.

Table F-2
East Street Area 2-South Automated LNAPL Recovery System Overall Efficiency From 2000 - 2008

NAPL Monitoring Report For Fall 2008
Plant Site 1 Groundwater Management Area
General Electric Company-Pittsfield, Massachusetts

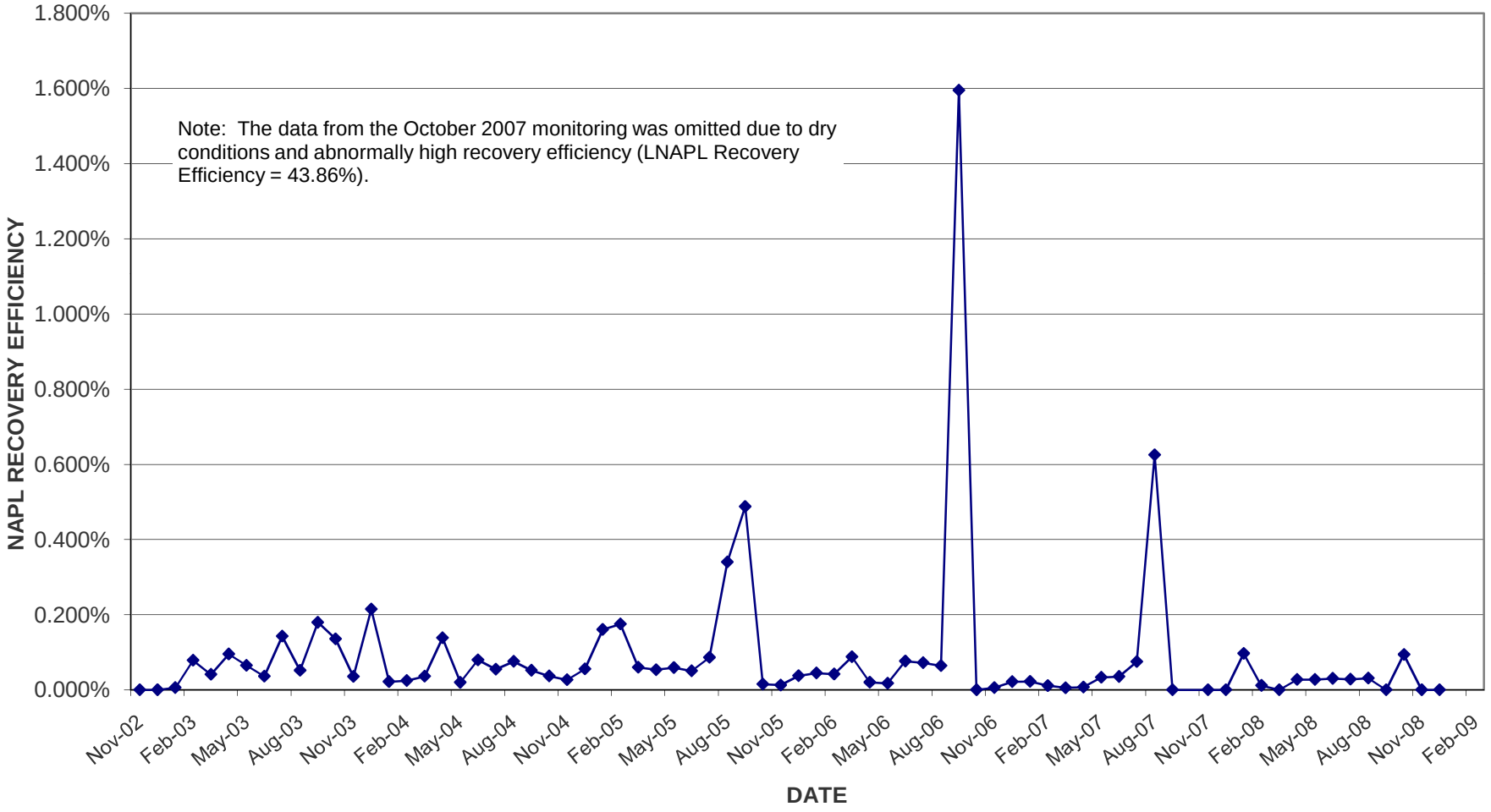
RECOVERY SYSTEM	TIME FRAME	RECOVERY (Gallons)		OVERALL RECOVERY EFFICIENCY
		LNAPL	GROUNDWATER	
64R/40R	January 2000 - December 2008	36,639	45,383,097	0.081%
64R	November 2002 - December 2008	18,260	35,189,897	0.052%
GMA1-17W	October 2006 - December 2008	184	NA	NA
64S/RW-1S	January 2000 - December 2008	53,314	152,388,556	0.035%
64S	December 2002 - December 2008	26,232	52,171,044	0.050%
RW-1S	December 2002 - December 2008	3,641	59,494,669	0.006%
RW-1S	January 2000 - December 2008	73,975	113,400,353	0.065%
64X/RW-1X	January 2000 - December 2008	3,153	102,848,257	0.003%
64X	October 2002 - December 2008	1,732	33,174,300	0.005%
RW-1X	October 2002 - December 2008	68	31,246,657	0.0002%
RW-4	February 2008 - December 2008	0	6,371,666	0%

NOTES:

1. LNAPL recovery efficiency = percentage of LNAPL removed compared to total liquid removal (i.e., LNAPL removal volume / groundwater removal volume + LNAPL removal volume).
2. LNAPL collection was recorded as a combined total from 40R/64R until November 2002. Data collected from system 64R during and after November 2002 (groundwater recovery is all from 64R) is presented separately and also included in the combined total for the 40R/64R systems.
3. LNAPL collection was recorded as a combined total from the RW-1(S) and 64S recovery systems until December 2002. Data collected during and after December 2002 is presented separately for each system and also included in the combined total for the RW-1(S) and 64S systems.
4. LNAPL collection was recorded as a combined total from the RW-1(X) and 64X recovery systems until October 2002. Data collected during and after October 2002 is presented separately for each system and also included in the combined total for the RW-1(X) and 64X systems.

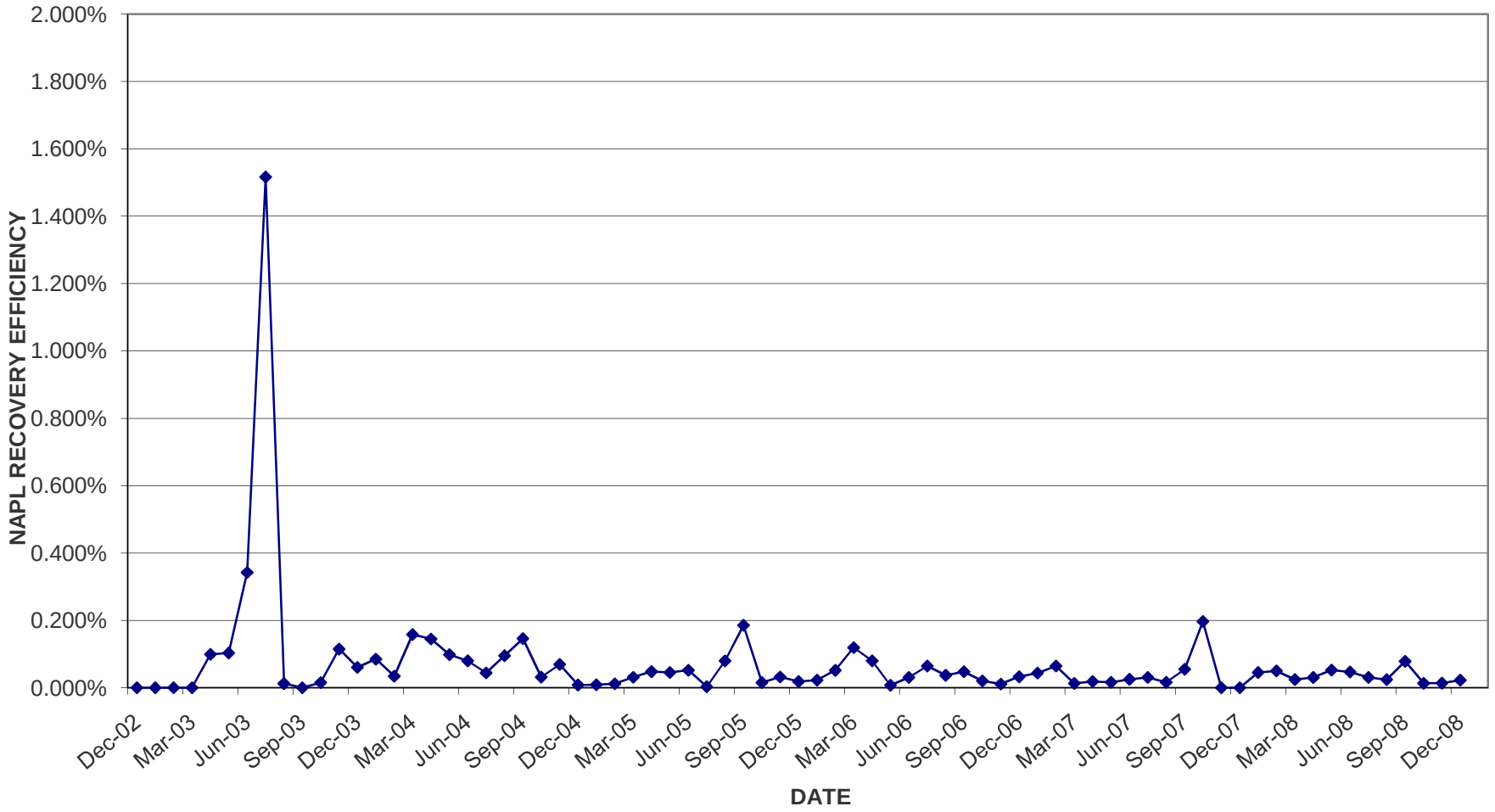
Appendix F
LNAPL Recovery Efficiency Data For
East Street Area 2 - South System 64R

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



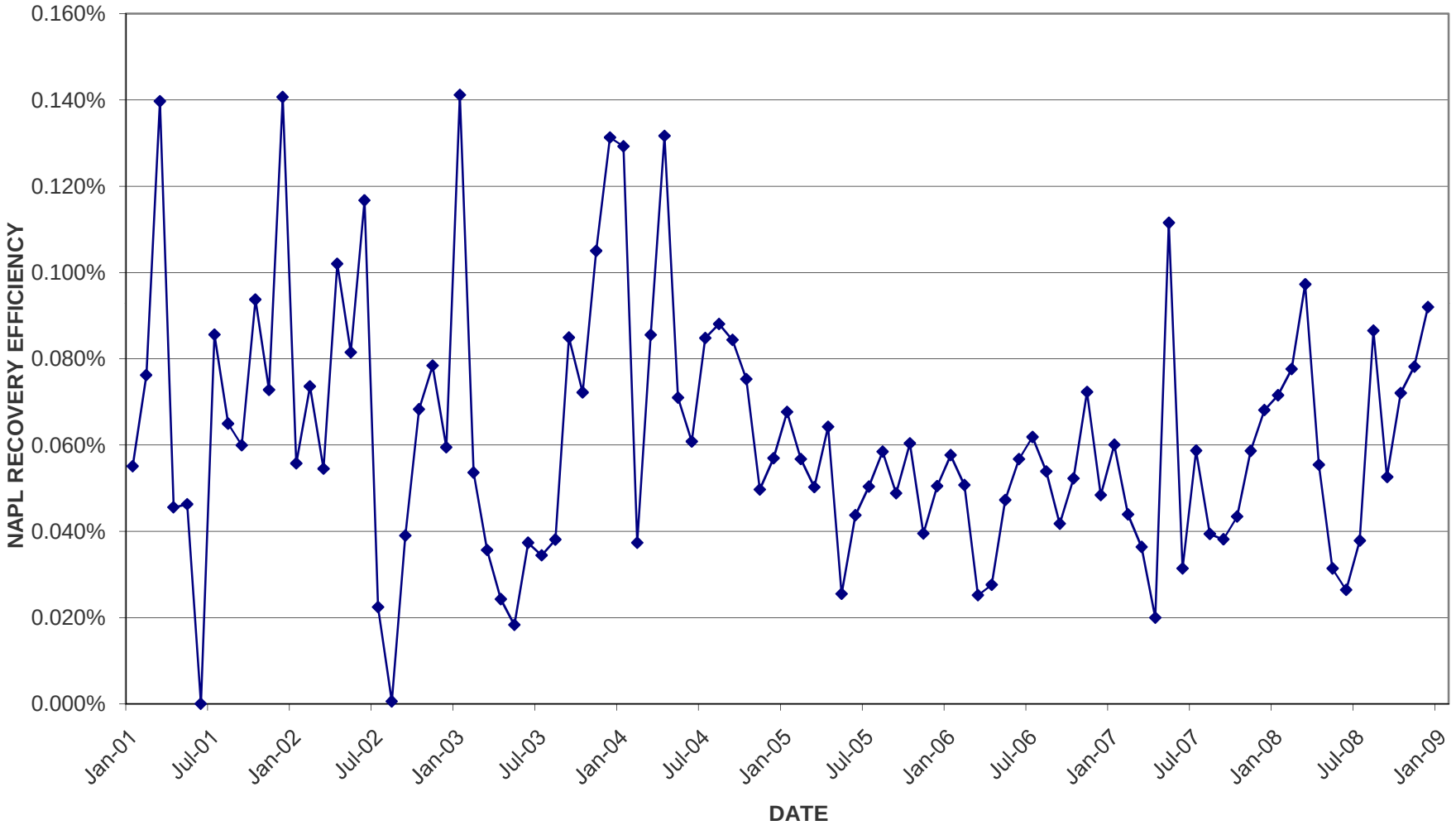
Appendix F
LNAPL Recovery Efficiency Data For
East Street Area 2 - South System 64S

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



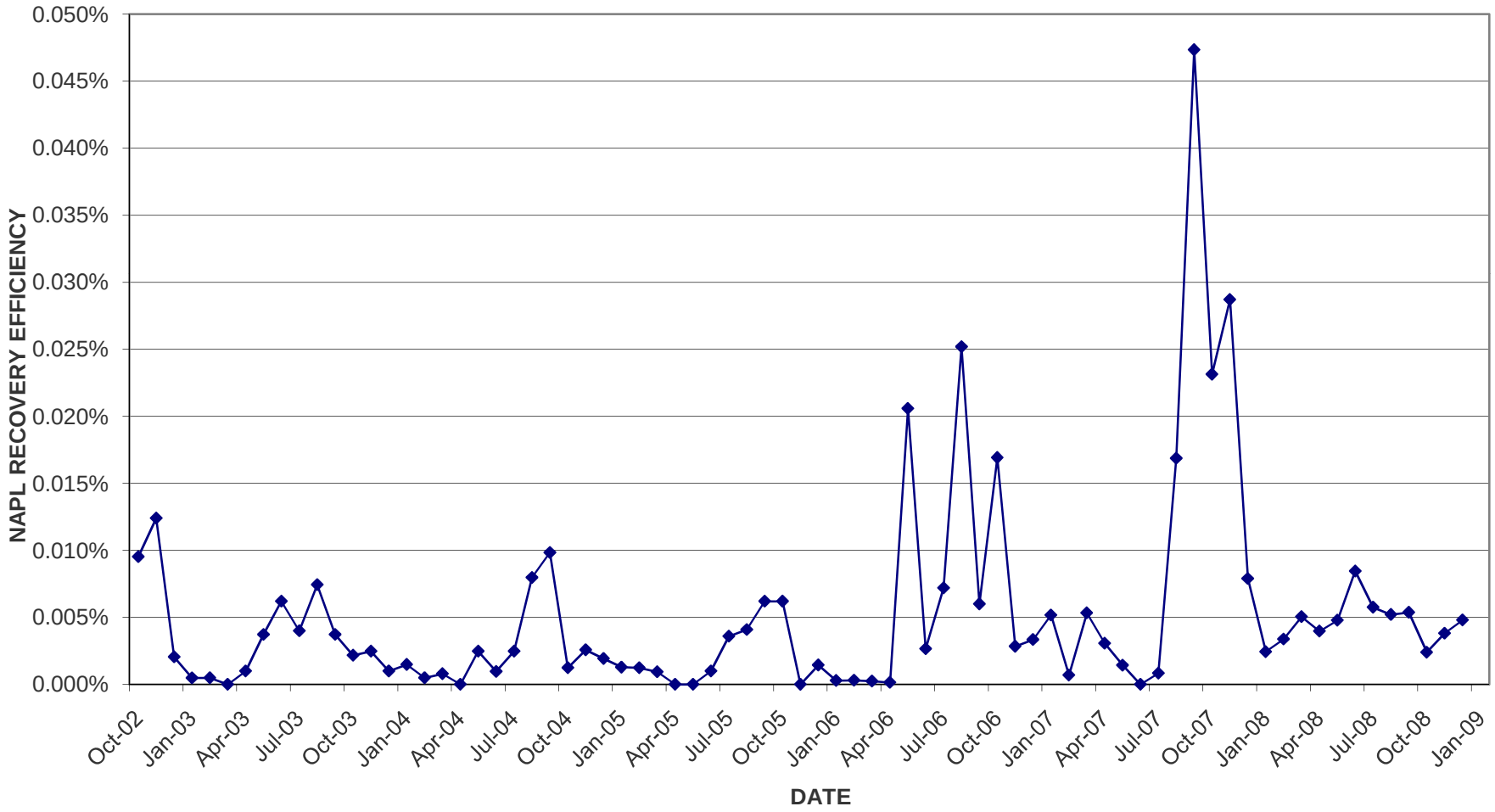
Appendix F
LNAPL Recovery Efficienty Data For
East Street Area 2 - South System 64V

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



Appendix F
LNAPL Recovery Efficiency Data For
East Street Area 2 - South System 64X

Plant Site 1 Groundwater Management Area
General Electric Company - Pittsfield, Massachusetts



ARCADIS

Appendix G

River Bank Inspection Forms

ARCADIS

Riverbank Inspection Protocol

Appendix G
NAPL-Related Riverbank Inspection Protocol
Groundwater Management Area 1 – Fall 2008

General Electric Company
Pittsfield, Massachusetts

I. Introduction

This protocol describes the procedures to be utilized when conducting a NAPL-related riverbank inspection at the Plant Site 1 Groundwater Management Area. Per Condition 2 of EPA's June 20, 2003 conditional approval letter regarding GE's February 2003 *Plant Site 1 Groundwater Management Area NAPL Monitoring Report for Fall 2002*:

"GE is required to ensure that there is "no discharge of NAPL to surface waters and/or sediments, which shall include no sheens on surface water and no bank seeps of NAPL." At a minimum, GE shall walk the lower bank of the river adjacent to all part of GMA-1 during each semi-annual NAPL monitoring round to inspect the bank for sheens or NAPL seeps. Additionally, GE shall inspect the riverbanks at East Street Area 2-South, Lyman Street and Newell Street Area II after high-flow events in the river (greater than 1,000 cfs at Coltsville), to ensure that NAPL isn't being flushed out of the riverbanks due to the rise and fall of riverbank groundwater levels. GE shall take special care to observe the ends of the sheetpile containment barriers and around discharge pipes."

This protocol specifies the procedures to be used during NAPL-related riverbank inspections along the portions of the Housatonic River that are adjacent to GMA 1. These inspections, which will be performed as part of GE's semi-annual NAPL monitoring event (generally conducted in April and October of each year), or following high-flow events in the Housatonic River, typically involve, at a minimum, the visual inspection of the riverbank and adjacent surface waters, as well as various sheetpile containment barriers, utility siphons, and outfalls located along or exiting from the riverbank at locations downgradient of known NAPL areas.

II. Equipment and Materials

The following materials will be available, as required, during performance of a NAPL-related riverbank inspection:

- Health and safety equipment, as required by the site Health and Safety Plan (HASP)
- Riverbank Inspection Figure (see Figure G-3)
- Riverbank Inspection Review Form (See Attachment G-1)

III. Procedures

As stated above, NAPL-related riverbank inspections are to be performed on a semi-annual basis (at a minimum) and also after a high flow event (a recorded flow of greater than 1,000 cfs at the USGS East Branch of the Housatonic River at Coltsville, Massachusetts). Semi-annual inspections are conducted in conjunction with the spring and fall semi-annual groundwater elevation and NAPL monitoring events, which are typically performed in April and October. Inspections performed following high flow events should be conducted as soon as practical after the river flows have subsided and the riverbanks can be safely traversed. If a high flow event occurs within one month prior to a scheduled semi-annual inspection, the subsequent high flow-based inspection may also be utilized to satisfy the semi-annual riverbank inspection requirement.

The typical procedure for a riverbank inspection is outlined below. At least one week prior to a semi-annual inspection and as soon as practical prior to a high flow-based inspection, the riverbank inspection schedule should be provided to EPA to allow the coordination of EPA oversight personnel, if desired.

Personnel should record their names, date and weather conditions on the Riverbank Inspection Form (Attachment G-1), as well as the date of the most recent high flow event, if applicable. Inspectors shall walk slowly along the riverbank between the areas noted on Figure G-3 and observe the riverbank, surface water, containment barriers, siphons, and outfalls for any indications of NAPL, sheens, or NAPL-related staining. Any observations that may be related to the presence of NAPL or sheens must be noted on the Riverbank Inspection Form and marked on the associated inspection figure (Figure G-3). Any specific outfalls that are inspected should be identified on the form and the figure, along with any observations made. There is also room on the form for any additional observations to be made, such as observations of iron staining or organic sheens that are associated with natural organic processes, rather than potential releases of NAPL.

IV. Follow-up Activities.

Once the riverbank inspection has been completed, the results from the hand-written form and figure will be updated electronically for presentation in the next semi-annual NAPL monitoring report for GMA 1.

If observations of NAPL or sheens attributable to NAPL are made during a riverbank inspection, the GE Project Manager shall be notified of such observations as soon as practical. The GE Project Manager will coordinate subsequent response and notification actions regarding the incident, as required by applicable laws and regulations, as well as the CD. Depending on the specific incident, such reporting may be required by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (Section 103), the Emergency Planning and Community Right-to-Know Act (EPCRA) (Section 304), the Clean Water Act (Section 311), the Toxic Substances Control Act (TSCA), the EPA regulations under those statutes, Massachusetts General Law Chapter 21E, and/or the Massachusetts Contingency Plan (MCP). Additional details concerning these notification requirements, including a Spill Report Form, are contained in GE's *Contingency and Emergency Procedures Plan*, which is Attachment F to the *Project Operations Plan* for the GE Pittsfield/Housatonic River Site. GE will also utilize the notification procedures described in Section 6.2 of Technical Attachment H to GE's October 1999 *Statement of Work for Removal Actions Outside the River* (SOW) (Appendix E to the CD). Specifically:

- If NAPL is observed to be discharging to any surface water, creating a sheen on the water, in a location in which such NAPL discharge was not previously observed or measures are not in place to effectively contain the sheen, GE shall notify EPA and MDEP within two hours of obtaining knowledge of such observation. This shall be followed by written notice to EPA within seven days. The written notification shall include a proposal to EPA for interim response actions to contain such discharge. Upon EPA approval, GE shall conduct the approved interim response actions to contain the NAPL discharge.

- If NAPL is observed to be discharging to any surface water, creating a sheen on the water, in a location in which such NAPL discharge was previously observed and reported to EPA and measures are in place to effectively contain the sheen, GE shall notify EPA of the continued presence of such NAPL in the next monthly progress report for overall work at the GE Pittsfield/Housatonic River Site.

Attachment G-1

GE Pittsfield/Housatonic River Site
GMA 1
Riverbank Inspection Form

Date: _____ **Inspector(s):** _____

Weather: _____

Date of High Flow Event: _____

NAPL Observations: _____

Stain/Sheen Observations: _____

Discharge Pipe & Pipe Backfill (area surrounding pipe) Observations:

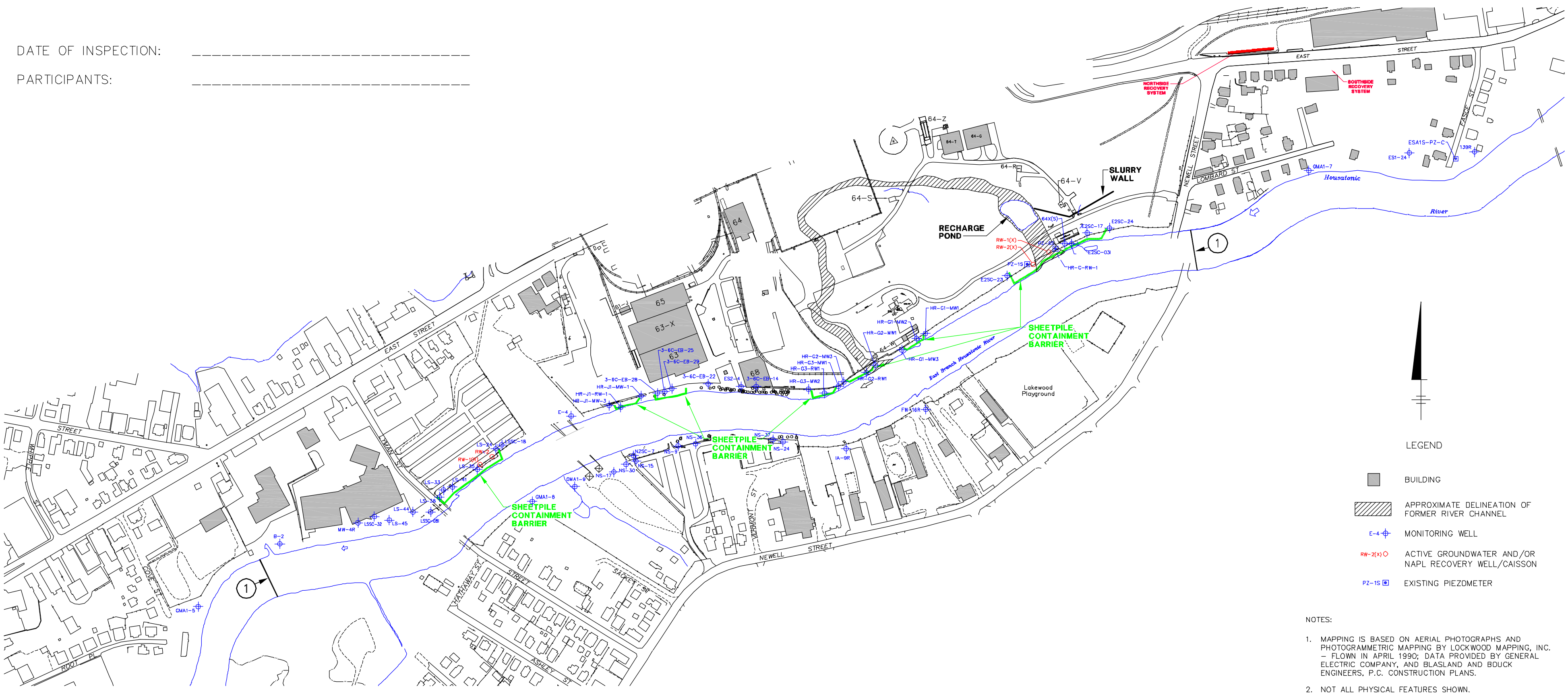
- Outfall 06A:
- Outfall 006:
- Outfall 05A:
- Outfall Newell 1:
- Lyman Outfall:
- Silver Lake Outfall:

Observations at Ends of Sheet pile Barriers: _____

Other Comments/Impacted Areas/Observations: _____

DATE OF INSPECTION: ______________________________

PARTICIPANTS: ______________________________



LEGEND

BUILDING

APPROXIMATE DELINEATION OF FORMER RIVER CHANNEL

E-4 MONITORING WELL

RW-2(X) ACTIVE GROUNDWATER AND/OR NAPL RECOVERY WELL/CAISSON

PZ-1S EXISTING PIEZOMETER

NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. WIDTH OF RIVER EXAGGERATED TO ALLOW PLACEMENT OF OBSERVATION DETAILS.

0 200' 400'

GRAPHIC SCALE

OBSERVATIONS:

LEGEND

(1) EXTENT OF INSPECTION.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 1 NAPL MONITORING PROGRAM

RIVERBANK INSPECTION AREA

ARCADIS

FIGURE
G-3

ARCADIS

Fall 2008 Riverbank Inspection
and Discharge Information

GE Pittsfield/Housatonic River Site
GMA 1
Semi-Annual Riverbank Inspection Form

Date: **10/31/2008** **Inspector(s):** **K L Cornwell**

Weather: **Sunny, 30's, Cold**

Date of High Flow Event: **N/A**

NAPL Observations: None Observed

Stain/Sheen Observations:

- No iron stains or NAPL sheens observed during this inspection.

Discharge Pipe & Pipe Backfill (area surrounding pipe) Observations:

- Did not notice stains/sheens along Newell St. Siphons
- Outfall 06A: Dry
- Outfall 006: Slight trickle of water, outfall lined with algae.
- Outfall 05A - Flowing steadily, algae around pipe
- Outfall Newell 1 - Damp, but not flow.
- Lyman Outfall - Wet, but no flow.
- Silver Lake Outfall - Flowing steadily, 2-4 inches, less sediment build-up then seen during previous inspections.

Observations at Ends of Sheet pile Barriers:

-No NAPL Stains or Sheens Observed

-Sheetpile exposed near building 68.

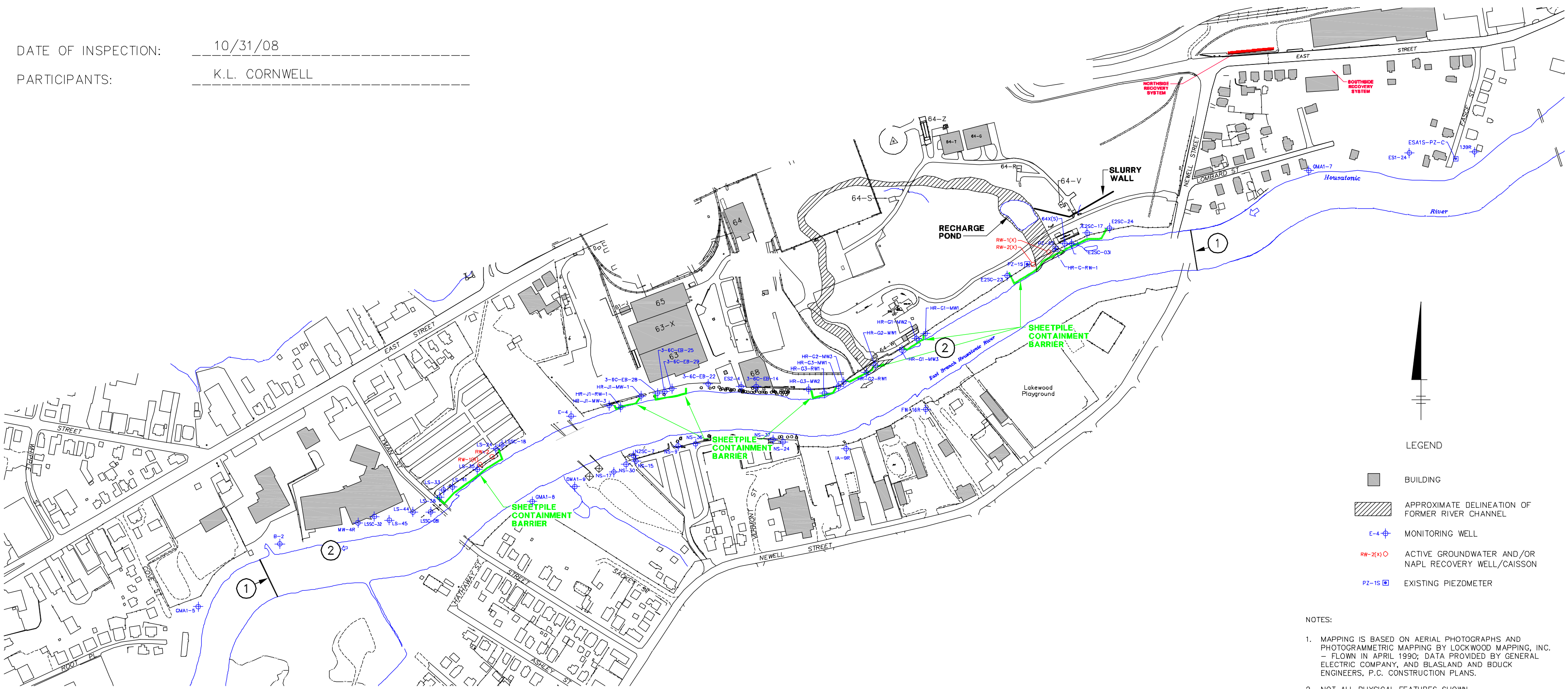
-No iron staining seen as seen previously, may be covered with sediment deposits.

Other Comments/Impacted Areas/Observations:

- Newell gage: 0.99 feet
- Recent beaver activity seen behind "KidZone" building, 64P.
- This inspection was carried out as part of the annual monitoring activities at GMA 1, an additional inspection took place following the high flow event on 12/12/08.
- apeared to be some seepage around cemented culvert near northwest corner of bld 68.

DATE OF INSPECTION: 10/31/08

PARTICIPANTS: K.L. CORNWELL



NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. WIDTH OF RIVER EXAGGERATED TO ALLOW PLACEMENT OF OBSERVATION DETAILS.

0 200' 400'
GRAPHIC SCALE

OBSERVATIONS:

LEGEND

(1) EXTENT OF INSPECTION.

(2) RECENT BEAVER ACTIVITY.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 1 NAPL MONITORING PROGRAM

RIVERBANK INSPECTION AREA

ARCADIS

FIGURE
G-1

CITY: SYRACUSE,NY GROUP: ENV/CAD DB: KLS GHS PGL KLS LD: DMW LYR:ON=*;OFF=REF, (FRZ)
R:\ENVCAD\SYRACUSE\ACT\NB002013\0000\00020\DWG\GMA1\FALL08\20136G10.DWG LAYOUT: G-1 SAVED: 2/6/2009 12:00 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/26/2009 3:34 PM BY: JONES, WENDY
XREFS: 20136X04 IMAGES: PROJECTNAME: ----

GE Pittsfield/Housatonic River Site
GMA 1
Riverbank Inspection Form

Date: 12/16/2008 **Inspector(s):** D. Zuck

Weather: P/C 30F w/ Mike Argue (Weston)

Date of High Flow Event: 12/12/2008

NAPL Observations: None Observed

Stain/Sheen Observations: No NAPL staining or oil sheens observed

- No organic sheens observed

Discharge Pipe & Pipe Backfill (area surrounding pipe) Observations (east to west):

- No flow or stains/sheens along Newell St. Bridge
- Outfall Newell 1 - no water not flowing
- Outfall 06A: No flow or stains/sheens
- Outfall 006: Some flow (Approx. 1gpm), no stains/sheens
- 2' unlabeled drain pipe east of 05A; Light trickle of water, no stains/sheens
- Outfall 05A - Pipe next to outfall flowing steady (Approx. 5" of water in 8" pipe), water seems clear
- No flows, sheens or staining between well E-4 and HR-G3-MW2 along river bank
- Center pipe south of sheet pile, ~150' East of Lyman street: approx. (.5 gpm flow) clear, no stains/sheens
- Lyman Bridge East - some flow approx. (.5-.75 gpm), clear, some algae on rocks, no stains or sheens
- Lyman Bridge Outfall West - some standing water 1" deep, no stains or sheens

Observations at Ends of Sheet pile Barriers:

-No NAPL Stains or Sheens Observed

Other Comments/Impacted Areas/Observations:

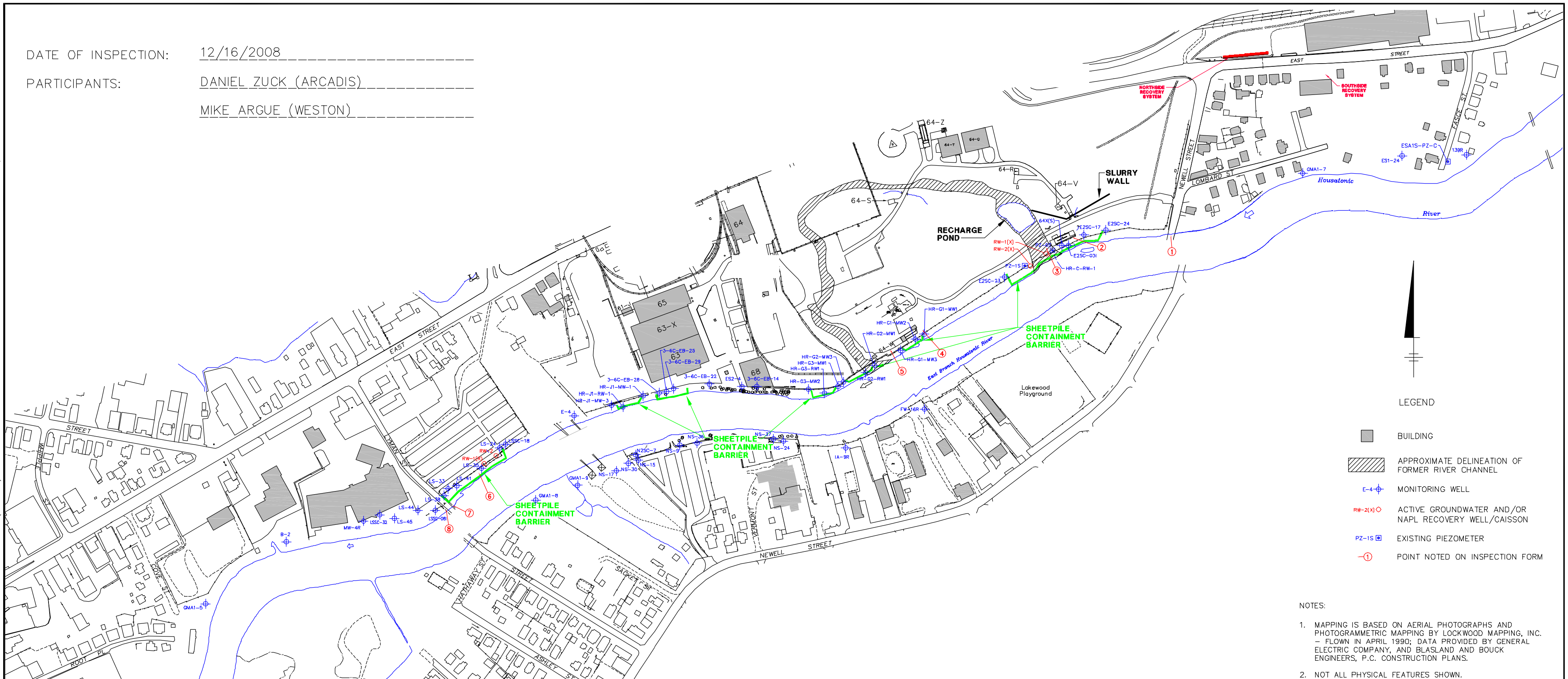
Depth to water from Newell St. Bridge: 17.10

Depth to water from Lyman St. Bridge: 13.98

DATE OF INSPECTION: 12/16/2008

PARTICIPANTS: DANIEL ZUCK (ARCADIS)

MIKE ARGUE (WESTON)



NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY, AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARY IS APPROXIMATE.
4. ALL MONITORING WELL LOCATIONS ARE APPROXIMATE.
5. WIDTH OF RIVER EXAGGERATED TO ALLOW PLACEMENT OF OBSERVATION DETAILS.
6. INSPECTION IS BETWEEN NEWELL STREET BRIDGE AND LYMAN STREET BRIDGE NORTH BANK.

0 200' 400'
GRAPHIC SCALE

OBSERVATIONS:

– NO NAPL/SHEENS/STAINING AT ANY OBSERVED LOCATIONS.

– NUMBERS CORRELATE TO DESCRIPTIONS ON RIVERBANK INSPECTION FORM DATED 12/16/2008.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 1 NAPL MONITORING PROGRAM

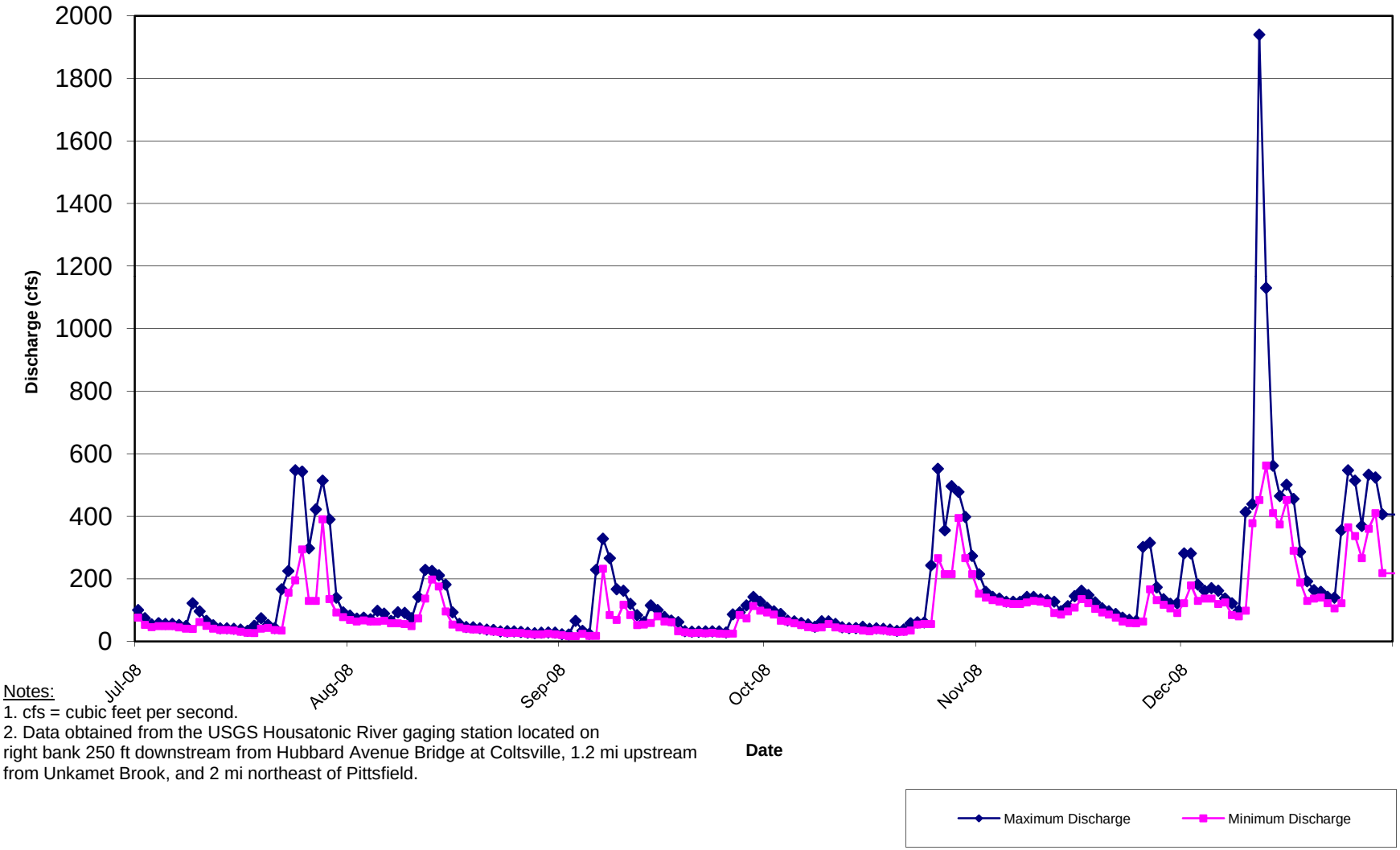
RIVERBANK INSPECTION AREA

ARCADIS

FIGURE
G-2

Appendix G
Housatonic River Discharge Data at Coltsville, MA USGS Gauging Station

General Electric Company - Pittsfield, Massachusetts
July - December 2008



Notes:
1. cfs = cubic feet per second.
2. Data obtained from the USGS Housatonic River gaging station located on right bank 250 ft downstream from Hubbard Avenue Bridge at Coltsville, 1.2 mi upstream from Unkamet Brook, and 2 mi northeast of Pittsfield.

Table G-1
East Branch Housatonic River at Coltsville, MA River Discharge for Fall 2008

NAPL Monitoring Report For Fall 2008
Coltsville, Massachusetts
General Electric Company - Pittsfield Massachusetts

Date	Maximum Discharge (cfs)	Minimum Discharge (cfs)	Comments
1-Jul	100	76	
2-Jul	74	53	
3-Jul	54	46	
4-Jul	58	49	
5-Jul	56	49	
6-Jul	56	49	
7-Jul	53	45	
8-Jul	49	41	
9-Jul	122	40	
10-Jul	96	62	
11-Jul	66	50	
12-Jul	52	41	
13-Jul	42	37	
14-Jul	42	37	
15-Jul	40	35	
16-Jul	38	31	
17-Jul	34	28	
18-Jul	50	27	
19-Jul	74	41	
20-Jul	53	43	
21-Jul	43	37	
22-Jul	167	35	
23-Jul	225	156	
24-Jul	547	195	
25-Jul	543	294	
26-Jul	298	130	
27-Jul	422	130	
28-Jul	514	390	
29-Jul	390	135	
30-Jul	140	93	
31-Jul	93	78	
1-Aug	82	69	
2-Aug	73	64	
3-Aug	76	67	
4-Aug	71	64	
5-Aug	98	64	
6-Aug	89	66	
7-Aug	66	58	
8-Aug	93	58	
9-Aug	91	56	
10-Aug	74	49	
11-Aug	142	74	
12-Aug	229	137	
13-Aug	225	198	
14-Aug	211	176	
15-Aug	182	96	
16-Aug	93	54	
17-Aug	56	45	
18-Aug	46	41	
19-Aug	45	38	
20-Aug	42	38	
21-Aug	38	35	

Table G-1
East Branch Housatonic River at Coltsville, MA River Discharge for Fall 2008

NAPL Monitoring Report For Fall 2008
Coltsville, Massachusetts
General Electric Company - Pittsfield Massachusetts

Date	Maximum Discharge (cfs)	Minimum Discharge (cfs)	Comments
22-Aug	37	32	
23-Aug	32	30	
24-Aug	32	27	
24-Aug	32	27	
25-Aug	32	28	
26-Aug	30	27	
27-Aug	28	24	
28-Aug	26	23	
29-Aug	28	23	
30-Aug	29	25	
31-Aug	28	23	
1-Sep	23	20	
2-Sep	22	17	
3-Sep	66	17	
4-Sep	34	24	
5-Sep	24	18	
6-Sep	229	18	
7-Sep	328	232	
8-Sep	266	84	
9-Sep	167	69	
10-Sep	162	117	
11-Sep	120	84	
12-Sep	84	52	
13-Sep	62	54	
14-Sep	115	59	
15-Sep	100	80	
16-Sep	78	64	
17-Sep	67	61	
18-Sep	62	33	
19-Sep	33	29	
20-Sep	31	27	
21-Sep	31	28	
22-Sep	32	26	
23-Sep	32	28	
24-Sep	32	25	
25-Sep	29	24	
26-Sep	86	25	
27-Sep	93	84	
28-Sep	115	74	
29-Sep	142	113	
30-Sep	127	98	
1-Oct	108	93	
2-Oct	96	86	
3-Oct	88	66	
4-Oct	67	64	
5-Oct	64	58	
6-Oct	59	52	
7-Oct	54	46	
8-Oct	47	43	
9-Oct	64	45	
10-Oct	64	56	

Table G-1
East Branch Housatonic River at Coltsville, MA River Discharge for Fall 2008

NAPL Monitoring Report For Fall 2008
Coltsville, Massachusetts
General Electric Company - Pittsfield Massachusetts

Date	Maximum Discharge (cfs)	Minimum Discharge (cfs)	Comments
11-Oct	56	45	
12-Oct	45	42	
13-Oct	43	40	
14-Oct	43	40	
15-Oct	47	35	
16-Oct	40	33	
17-Oct	42	37	
18-Oct	40	35	
19-Oct	38	32	
20-Oct	34	30	
21-Oct	38	31	
22-Oct	58	35	
23-Oct	61	54	
24-Oct	61	56	
25-Oct	243	56	
26-Oct	552	266	
27-Oct	355	215	
28-Oct	496	215	
29-Oct	478	394	
30-Oct	398	266	
31-Oct	273	215	
1-Nov	215	153	
2-Nov	159	140	
3-Nov	142	132	
4-Nov	137	127	
5-Nov	127	122	
6-Nov	127	120	
7-Nov	127	120	
8-Nov	142	125	
9-Nov	142	130	
10-Nov	135	127	
11-Nov	132	122	
12-Nov	127	91	
13-Nov	96	86	
14-Nov	113	96	
15-Nov	145	108	
16-Nov	162	135	
17-Nov	148	122	
18-Nov	125	104	
19-Nov	106	93	
20-Nov	96	86	
21-Nov	88	76	
22-Nov	76	64	
23-Nov	69	59	
24-Nov	66	58	
25-Nov	302	64	
26-Nov	315	167	
27-Nov	173	132	
28-Nov	135	117	
29-Nov	120	106	
30-Nov	122	91	

Table G-1
East Branch Housatonic River at Coltsville, MA River Discharge for Fall 2008

NAPL Monitoring Report For Fall 2008
Coltsville, Massachusetts
General Electric Company - Pittsfield Massachusetts

Date	Maximum Discharge (cfs)	Minimum Discharge (cfs)	Comments
1-Dec	281	122	
2-Dec	281	179	
3-Dec	182	130	
4-Dec	162	137	
5-Dec	170	137	
6-Dec	162	120	
7-Dec	137	125	
8-Dec	122	84	
9-Dec	98	80	
10-Dec	414	98	
11-Dec	439	378	
12-Dec	1940	452	High Flow Event
13-Dec	1130	562	
14-Dec	562	410	
15-Dec	465	374	
16-Dec	501	452	Conducted Riverbank Inspection
17-Dec	456	290	
18-Dec	286	188	
19-Dec	192	130	
20-Dec	164	137	
21-Dec	159	140	
22-Dec	142	122	
23-Dec	140	106	
24-Dec	355	122	
25-Dec	547	365	
26-Dec	514	337	
27-Dec	369	266	
28-Dec	533	360	
29-Dec	524	410	
30-Dec	406	218	
31-Dec	232	188	

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Appendix H

LNAPL Recovery Test Results – Well 25R

Table H-1
LNAPL Recovery Summary
LNAPL Recovery Assessment - Fall 2008

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts

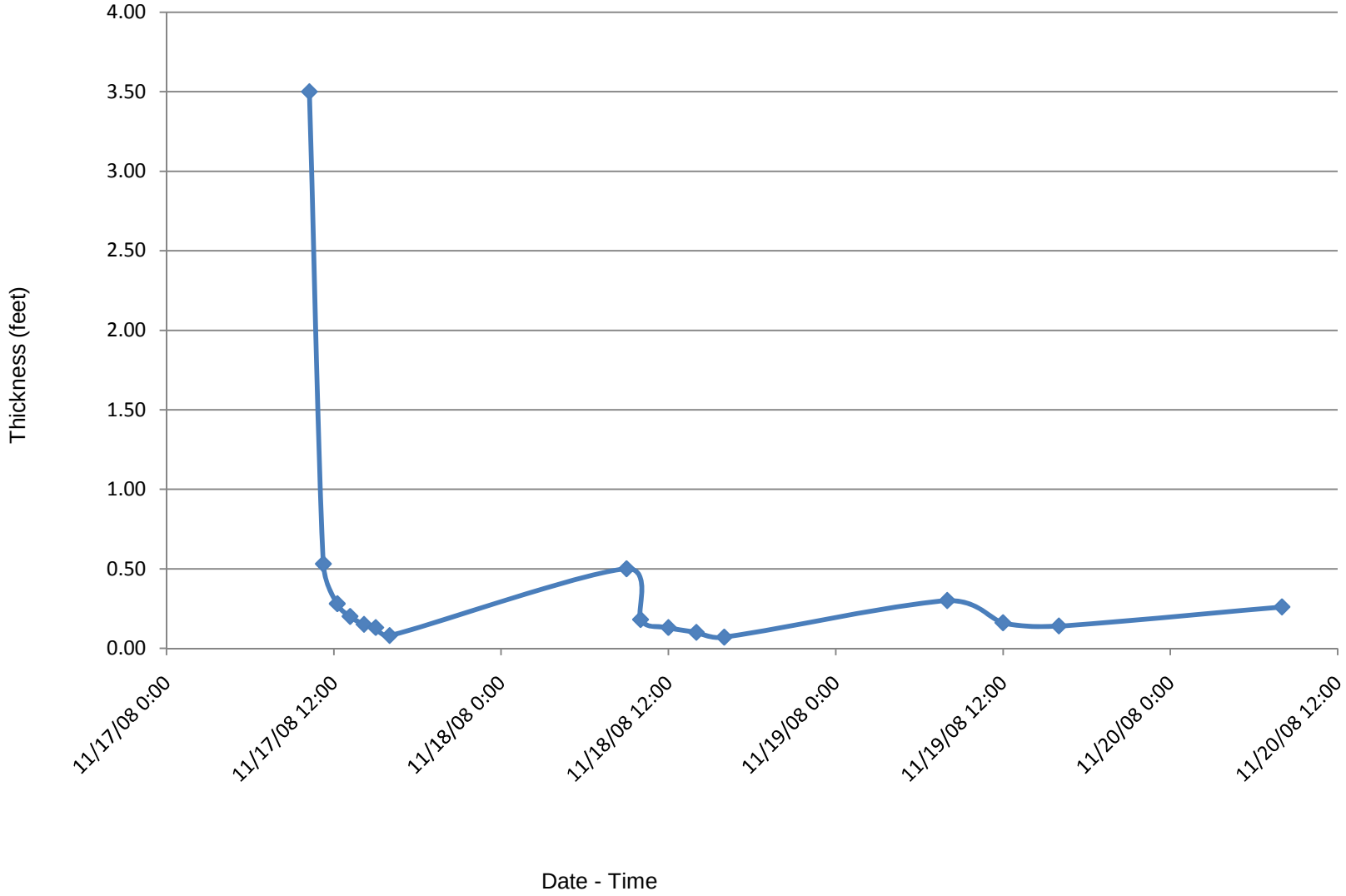
Well ID	25R
Day One - One Hour Recovery Intervals	
Initial LNAPL Thickness (feet)	3.500
Average LNAPL Thickness (feet)	0.696
Total LNAPL Removal (liters)	3.005
Average LNAPL Removal (liters)	0.429
Average Recovery Rate (liters/hr)	0.190
Day Two - Two Hour Recovery Intervals	
Initial LNAPL Thickness (feet)	0.500
Average Thickness (feet)	0.196
Total LNAPL Removal (liters)	0.605
Average LNAPL Removal (liters)	0.121
Average Recovery Rate (liters/hr)	0.050
Day Three - Four Hour Recovery Intervals	
Initial LNAPL Thickness (feet)	0.300
Average Thickness (feet)	0.123
Total LNAPL Removal (liters)	0.370
Average LNAPL Removal (liters)	0.123
Average Recovery Rate (liters/hr)	0.032
Overall	
Average Thickness (feet)	0.430
Total LNAPL Removal (liters)	3.979
Average LNAPL Removal (liters)	0.265
Average Recovery Rate (liters/hr)	0.168

Notes:

1. Initial LNAPL thickness on Day One represents
2. Average LNAPL removed represents average removal per pumping interval.
3. Average LNAPL recovery rate represents average recovery between pumping intervals.
4. Initial LNAPL thickness on Day One represents conditions prior to testing.
   Initial Thickness on Days Two and Three represent recovery from prior days testing (approximately 16 hours).
5. Average LNAPL removed represents average removal per pumping interval.
6. Average LNAPL recovery rate represents average recovery between pumping intervals.

Appendix H
LNAPL Recovery Rate - Fall 2008 LNAPL Pump Test

Plant Site 1 Groundwater management Area
General Electric Company - Pittsfield, MA



LNAPL RECOVERY TEST FIELD LOG

WELL ID 25R 1200 **PAGE** **OF**

SITE GE Pittsfield, MA

LOCATION GMA 1 **PERSONNEL** KLC

DATE	MEASUREMENT/ Bailing START TIME	Bailing Stop Time	RECOVERY TIME (Minutes)	Bailing TIME (Minutes)	DEPTH TO LNAPL (Feet BMP)	DEPTH TO WATER (Feet BMP)	LNAPL THICKNESS (Feet)	LNAPL REMOVAL (Liters)	LNAPL REMOVAL (Gallons)	RECOVERY TIME (Hours)	RECOVERY RATE (ft/hr)	RECOVERY RATE (Liter/Hr)	RECOVERY RATE (Gal/Hr)
11/17/08 10:15	1015	1035	---	20	19.84	23.34	3.50	2.159	0.557				
11/17/08 11:15	1115	1125	40	10	20.15	20.68	0.53	0.327	0.084	0.667	0.795	0.490	0.127
11/17/08 12:15	1215	1225	50	10	20.17	20.45	0.28	0.173	0.045	0.833	0.336	0.207	0.053
11/17/08 13:10	1310	1320	45	10	20.15	20.35	0.20	0.123	0.032	0.750	0.267	0.165	0.042
11/17/08 14:10	1410	1415	50	5	20.16	20.31	0.15	0.093	0.024	0.833	0.180	0.111	0.029
11/17/08 15:00	1500	1505	45	5	20.15	20.28	0.13	0.080	0.021	0.750	0.173	0.107	0.028
11/17/08 16:00	1555	1600	50	5	20.17	20.25	0.08	0.049	0.013	0.833	0.096	0.0592	0.0153
11/18/08 9:00	900	915	1040	10	20.13	20.63	0.50	0.308	0.080	17.333	0.029	0.0178	0.0046
11/18/08 10:00	1005	1015	50	5	20.26	20.44	0.18	0.111	0.029	0.833	0.216	0.1333	0.0344
11/18/08 12:00	1200	1205	105	5	20.14	20.27	0.13	0.080	0.021	1.750	0.074	0.0458	0.0118
11/18/08 14:00	1355	1400	110	5	20.15	20.25	0.10	0.062	0.016	1.833	0.055	0.0337	0.0087
11/18/08 16:00	805	1610	125	5	20.19	20.26	0.07	0.043	0.011	2.083	0.034	0.0207	0.0053
11/19/08 8:00	805	815	955	10	20.13	20.43	0.30	0.185	0.048	15.917	0.019	0.005	0.341
11/19/08 12:00	1200	1205	225	5	20.23	20.39	0.16	0.099	0.025	3.750	0.043	0.011	0.340
11/19/08 16:00	1600	1605	235	5	20.14	20.28	0.14	0.086	0.022	3.917	0.036	0.009	0.338
11/20/08 8:00	805	--	960	--	20.13	20.39	0.26	--	--	16.000	0.016	0.004	0.340
						AVERAGE	0.43					**AVERAGE**	0.114

NOTES/OBSERVATIONS:

Recovery time refers to the elapsed time from the end of pumping (during the prior measurement interval) until the next measurements are collected.

Total well depth (Measure at start of each day of testing): 11/17: 30.64' 11/18: 30.63' 11/19: 30.64' 11/20: 30.64'

Total LNAPL remova (11/17)l: 3.005 Liters

Total LNAPL removal (11/18): 0.605 Liters

Total LNAPL removal (11/19): 0.370 Liters

Total NAPL removed (11/17-11/19) 3.979 Litres

*NA: No Product detected

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Appendix I

Boring Logs

Date Start/Finish: 12/15/08 **Drilling Company:** Parratt Wolff **Driller's Name:** Joe Percy **Drilling Method:** HSA **Sampling Method:** 2" x 2' SS **Rig Type:** HSA	**Northing:** 533405.4 **Easting:** 132497.1 **Casing Elevation:** 986.20 **Borehole Depth:** 21' BLS **Surface Elevation:** 986.70 **Descriptions By:** Dan Zuck	**Well/Boring ID:** **ES2-15R** **Client:** General Electric **Location:** Pittsfield, MA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0					1.1		Asphalt and pebble/fill material(RCA), some odor
							Cuttings: Med. Brown trace gray, Sub. angular fine Pebbles fine SAND, loose, moist, trace med. pebbles, odor, and sheen when mixed with water, Glass/cement/metal/wood fill fragments at 3.5' bls
	985						
5		1	5-7	11"	55.3		Spoon1: 0-5" SAA before glass fragments except: Med. brown w/ Dark gray tints, sub angular f. pebbles w/ f. SAND, some silt, moist, loose, trace C. sub rounded-rounded pebbles, SIGNIFICANT ODOR
					22		Spoon1 Cont.: Grayish brown, conglomerate mix (concrete, pebbles, clay mix) w/ C. sub rounded SAND, med dense, moist, trace droplets of NAPL in Pockets, few fragments of NAPL infused wood (RR ties/lumber) in tip of Split spoon, Strong Odor
					31.2		
	980						
					22.6		No Cuttings recovered
10		2	10-12	NR			Spoon2: had no recovery, trace Iron fragments in tip, wet
							Measured DTW: 11.27 BMP
	975						
		3	12-14	1"	54		Spoon3: Greenish olive gray, f. SAND, saturated with water and NAPL, Lt. yellowish green LNAPL pooling, strong odor

Well/Boring Construction

- Concrete Surface Pad.
- Filpro Type #1 Silica Sand (0.5' to 2.8' bgs)
- Hydrated Bentonite Chips (2.8' to 6.8' bgs)
- 2-in ID Schedule 40 PVC Riser (0.4' bgs to 9.75' bgs)
- Filpro Type #00 Silica Sand (6.8' to 8' bgs)

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Remarks: DTW: 11.27 (ft BMP)

Date Start/Finish: 12/15/08
Drilling Company: Parratt Wolff
Driller's Name: Joe Percy
Drilling Method: HSA
Sampling Method: 2" x 2' SS
Rig Type: HSA

Northing: 533405.4
Easting: 132497.1
Casing Elevation: 986.20

Borehole Depth: 21' BLS
Surface Elevation: 986.70

Descriptions By: Dan Zuck

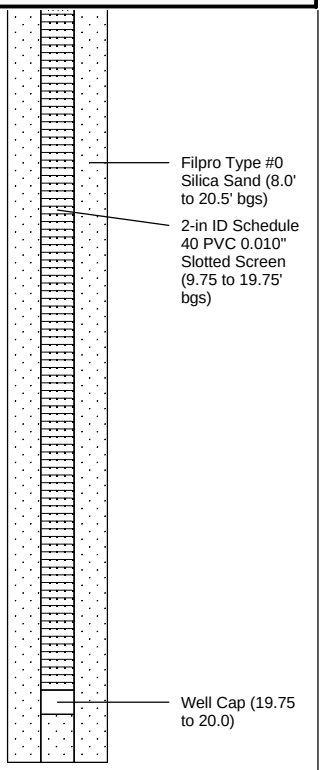
Well/Boring ID: **ES2-15R**

Client: General Electric

Location: Pittsfield, MA

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
	4	14-16	18"	4.3		Spoon4: olive gray, silty VF SAND, saturated, trace sheen @ 1"-3", loose trace mica frag., some odor
15						
				2.3		No cuttings recovered
970						
	5	19-21	18"	.8		Spoon5: 0"-2" Slough; 2"-14": Med. Brown, Peat and silts, moist, med. dense, trace odor, trace mica fragments/ fine sands; 14"-18": Lt. brown and grays, C. sub rounded SAND, wet, loose, some silts/f. sands, trace sheen on Split spoon tip
20				1		
965						

Well/Boring Construction



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Remarks: DTW: 11.27 (ft BMP)

Date Start/Finish: 12/16/08
Drilling Company: Parratt Wolff
Driller's Name: Joe Percy
Drilling Method: HSA
Sampling Method: 2" x 2' SS
Rig Type: HSA

Northing: 533337.1
Easting: 132478.8
Casing Elevation: 986.01

Borehole Depth: 23' BLS
Surface Elevation: 986.57

Descriptions By: Dan Zuck

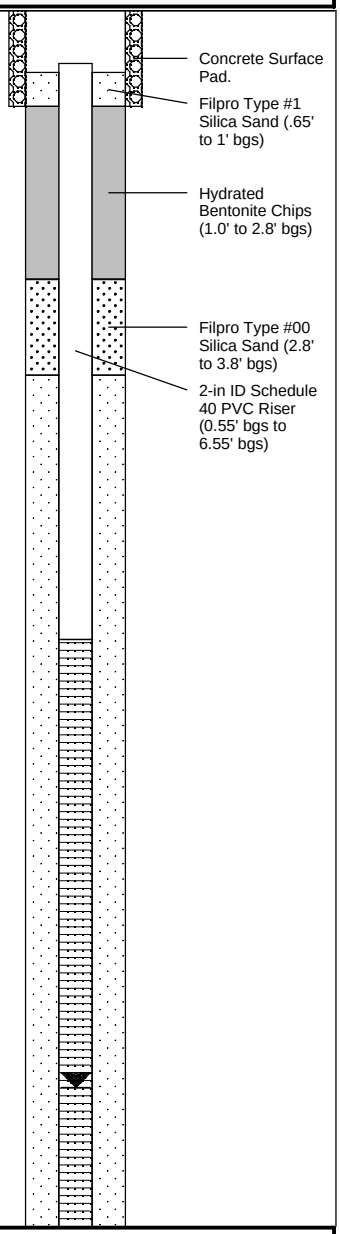
Well/Boring ID: **ES2-17R**

Client: General Electric

Location: Pittsfield, MA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0							Concrete /fill material(RCA), some odor
					0.0		Cuttings: Dark Gray, silty m.(+)- f. sub angular SAND, moist, loose, trace sub. rounded f. pebbles (SS and Quartzite), strong odor/sheen when mixed with water
	985						
					16.7		
5		1	5-7	12"	5.3		Spoon1: 0"-7" SAA Except pockets of saturation in matrix, few f. pebbles, med. dense; 7"-10" LNAPL infused wood (RR Tie or lumber), high odors, moist; 10"-12" L. pebble lodged in tip, white, sandstone.
	980						
					9.1		Cuttings: Dark Brown, Silty SAND, few f. sub rounded- rounded pebbles, moist, loose, some odor
					NA		
10		2	10-12	20"	NA		Spoon2: 0"-5" wood fragments, moist, trace fractured c. pebbles (quartzite), some odor; 5"-20" Olive Gray and Med Brown, Silty vf. SAND, some f. sand, loose, wet, few-some f. mica fragments, trace odor
	975						Measured DTW: 11.22
		3	12-14	21"	NA		Spoon3: Same as 5"-20" from 10'-12' core, saturated

Well/Boring Construction



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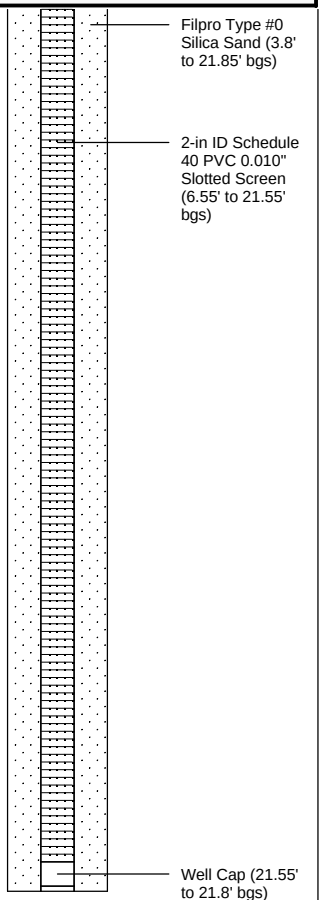
Remarks: DTW: 11.22 (ft BMP)
Inner Casing Elevation: 986.01 (ft AMSL)

Date Start/Finish: 12/16/08 **Drilling Company:** Parratt Wolff **Driller's Name:** Joe Percy **Drilling Method:** HSA **Sampling Method:** 2" x 2' SS **Rig Type:** HSA	**Northing:** 533337.1 **Easting:** 132478.8 **Casing Elevation:** 986.01 **Borehole Depth:** 23' BLS **Surface Elevation:** 986.57 **Descriptions By:** Dan Zuck	**Well/Boring ID:** **ES2-17R** **Client:** General Electric **Location:** Pittsfield, MA

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
	4	14-16	6"	NA		Spoon4: 0-1" Dark Brown, Silty SAND, some wood fragments (1cm Long), saturated, loose, no odor or sheen; 1"-6" Dark Brown, Silty f. SAND, varved layers of reddish brown clayey silt, saturated, few m. mica fragments, no odor/staining/sheens.
15						
970				NA		Cuttings: Same as 1"-6" from 14'-16' core, trace wood fragments/ f. sub rounded pebbles
	5	19-21	19"	NA		Spoon5: 0"-3" SAA; 3"-17": Med. Brown, m.(+) to f. sub rounded to rounded Pebblely med. SAND, some silts, loose, saturated, Dark brown DNAPL present in matrix pockets @ 14"-17", Strong Odor; 17"-19": Tip of spoon, reddish brown, peat-SILTS, moist, med. dense, trace odor
20						
	6	21-23	24"	NA		Spoon6: 0"-2" Slough; 2"-24": Reddish Brown, Peat and silts, moist, med. dense, some odor & staining, Transitioning to dark gray silts, no DNAPL seen
965						



Well/Boring Construction

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Remarks: DTW: 11.22 (ft BMP)
Inner Casing Elevation: 986.01 (ft AMSL)

Date Start/Finish: 11/12/08
Drilling Company: Parratt Wolff
Driller's Name: Mickey Marshall
Drilling Method: HSA
Sampling Method: 2" x 2' SS
Rig Type: HSA

Northing: 532459.6
Easting: 130723.9
Casing Elevation: 981.19

Borehole Depth: 25.5' bgs
Surface Elevation: 981.61

Descriptions By: Dan Zuck

Well/Boring ID: LS-43R

Client: General Electric

Location: Pittsfield, MA

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0 / 980						Dark Brown, med-fine Gravely SAND med-fine, Some Silts, trace Sub-rounded Pebbles (.5-2cm)-Quartzite, moist, loose
		0-3				Dark brown, med-Fine sub rounded Gravely SILT, trace white quartzite pebble 1" @ bottom of Sp. Spoon, moist, loose
5 / 975	1	3-5	1.05	0.0 PPM		No change in cuttings
		5-7				0-3" Same as 3-5' spoon; 3"-18": Olive gray, vf-f. sub angular Sandy SILT, trace organics (wood), moist, loose-med. dense
	2	7-9	1.5			No change in cuttings Measured DTW: 9.62
10 / 970				0.0 PPM		

Well/Boring Construction

- Concrete Surface Pad.
- Filpro Type #1 Silica Sand (0.3-1.5' bgs)
- 90/10% Portland/Bentonite Slurry Grout (1.5-11.3' bgs)
- 2-in ID Schedule 40 PVC Riser (0.3' bgs to 15.25' bgs)
- Hydrated Bentonite Chips (11.3-12.3' bgs)

Remarks: DTW: 9.62 (ft BMP)

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Date Start/Finish: 11/12/08 **Drilling Company:** Parratt Wolff **Driller's Name:** Mickey Marshall **Drilling Method:** HSA **Sampling Method:** 2" x 2' SS **Rig Type:** HSA	**Northing:** 532459.6 **Easting:** 130723.9 **Casing Elevation:** 981.19 **Borehole Depth:** 25.5' bgs **Surface Elevation:** 981.61 **Descriptions By:** Dan Zuck	**Well/Boring ID:** **LS-43R** **Client:** General Electric **Location:** Pittsfield, MA

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
							0"-4" Same as 3-18" from 7-9' spoon except Saturated and ODOR; 4"-13": Olive gray & med. brown, med.-C. (+) sub angular - sub rounded SAND, trace f. pebbles, organics (wood) @4", saturated, loose	Filpro Type #00 Silica Sand (12.3-13.3' bgs)
15		3	13-15	1.1	0.0 PPM		Cuttings: med. brown- dark. brown, mix of silts and m-f. SANDS, few fine pebbles, saturated, slight plasticity	
	965							Filpro Type #0 Silica Sand (13.3-25.5' bgs)
20			15-20		0.0 PPM		SAA, slight odor	2-in ID Schedule 40 PVC 0.010" Slotted Screen (15.25 to 25.25' bgs)
	960				0.0 PPM			
25			20-25		0.0 PPM			

Remarks: DTW: 9.62 (ft BMP)

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Date Start/Finish: 11/12/08
Drilling Company: Parratt Wolff
Driller's Name: Mickey Marshall
Drilling Method: HSA
Sampling Method: 2" x 2' SS
Rig Type: HSA

Northing: 532459.6
Easting: 130723.9
Casing Elevation: 981.19

Borehole Depth: 25.5' bgs
Surface Elevation: 981.61

Descriptions By: Dan Zuck

Well/Boring ID: **LS-43R**

Client: General Electric

Location: Pittsfield, MA

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
955	4	25-27	1.4	0.7 PPM		0-7": Med brown w/ Lt. grays, f-c. sub angular-sub rounded SAND, saturated, loose; 7"-16": Lt. brown, vf.-f. Sandy SILT, saturated to wet at bottom, Med. dense, trace odor	cap (25.25 to 25.50)

Remarks: DTW: 9.62 (ft BMP)

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