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Transmitted via Overnight Courier

February 27, 2006

Mr. William P. Lovely, Jr.
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 3 (GECD330)
Groundwater Quality and NAPL Monitoring Interim Report for Fall 2005

Dear Mr. Lovely:

In accordance with GE's approved *Baseline Monitoring Program Proposal for Plant Site 2 Groundwater Management Area* (April 2001), enclosed is a report entitled *Groundwater Management Area 3 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Fall 2005* (Fall 2005 GMA 3 Baseline Report). This report summarizes activities performed at Groundwater Management Area (GMA) 3 (also known as the Plant Site 2 GMA) between July and December 2005, including the results of the fall 2005 round of sampling and analysis of groundwater performed as part of the baseline monitoring program for GMA 3 and the results of GE's non-aqueous phase liquid (NAPL) monitoring and recovery program in this area. In addition, this report contains a proposal for an interim groundwater quality monitoring program to be implemented at GMA 3 until such time as all required soil-related Removal Actions are completed within this GMA and a comprehensive long-term monitoring program may be developed.

Please contact me if you have any questions or comments.

Sincerely,

John F. Novotny/JH for

John F. Novotny, P.E.
Manager - Facilities and Brownfields Programs

Enclosure
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Groundwater Management Area 3 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Fall 2005

General Electric Company
Pittsfield, Massachusetts

February 2006

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

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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 collectively comprise the GE-Pittsfield/Housatonic River Site (the Site). For groundwater and non-aqueous-phase liquid (NAPL), the areas at and near the GE Pittsfield facility have been divided into five Groundwater Management Areas (GMAs), which are illustrated on Figure 1. 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 Plant Site 2 GMA, also known as and referred to herein as GMA 3.

On April 24, 2001, GE submitted a *Baseline Monitoring Program Proposal for Plant Site 2 Groundwater Management Area* (GMA 3 Baseline Monitoring Proposal), which was conditionally approved by EPA on November 21, 2001. The GMA 3 Baseline Monitoring Proposal summarized the currently available hydrogeologic information for GMA 3 and proposed groundwater and NAPL monitoring activities (incorporating as appropriate those activities currently in place at that time) for the baseline monitoring period at this GMA. Thereafter, certain modifications were made to the GMA 3 baseline monitoring program as a result of EPA approval conditions and/or findings during field reconnaissance of several wells identified for baseline monitoring. These modifications were documented in an *Addendum to the GMA 3 Baseline Monitoring Proposal*, submitted to EPA on February 20, 2002. That addendum was conditionally approved by EPA on April 18, 2002. Finally, during the initial well installation activities and in subsequent baseline monitoring reports and proposal letters, additional modifications to the GMA 3 monitoring program were proposed and implemented, with the approval of EPA and/or EPA's oversight contractor, Weston Solutions, Inc.

As part of the baseline program, GE is required to submit reports on a semi-annual basis to summarize the groundwater and NAPL monitoring and recovery results and, as appropriate, propose modification to the

monitoring program. With regard to GMA 3, GE deferred the 2002 and 2003 sampling rounds (with EPA approval) because certain property access issues could not be resolved prior to the scheduled performance of those sampling events. However, GE continued to perform NAPL and groundwater elevation monitoring on an interim basis at all locations for which access was available and collected groundwater samples from well 78B-R on a semi-annual basis for analysis of volatile organic compounds (VOCs) and, until fall 2003, PCBs.

The final property access issues were resolved by February 2004, and, beginning in spring 2004, GE commenced the full semi-annual baseline groundwater quality sampling program at GMA 3. The baseline monitoring program was originally scheduled to continue for a minimum of two years (i.e., for four semi-annual sampling events). In fall 2005, as part of the fourth full sampling round under the baseline program at this GMA, the GMA 3 monitoring wells were gauged to determine physical groundwater characteristics (i.e., gradient, flow direction, presence of NAPL) and/or sampled for analysis of PCBs, certain non-PCB constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenyhydrazine (Appendix IX+3), and/or certain constituents (i.e., natural attenuation parameters) to assess intrinsic and natural processes that may be influencing VOC concentrations in groundwater. This *Groundwater Management Area 3 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Fall 2005* (Fall 2005 GMA 3 Baseline Report) presents the results of the groundwater sampling activities performed in fall 2005, as well as certain other groundwater characterization and NAPL-related activities performed between June and December 2005.

1.2 Background Information

1.2.1 GMA Description

GMA 3 encompasses the portion of the Unkamet Brook Area (as defined in the CD and SOW) located to the east of Plastics Avenue, and occupies an area of approximately 103 acres (Figures 1 and 2). This area includes the eastern portion of GE's Pittsfield facility, which is generally bounded by Dalton Avenue to the north, Merrill Road to the south, Plastics Avenue to the west, and railroad tracks to the east. GMA 3 also contains commercial/recreational properties located between Merrill Road and the Housatonic River to the southeast of the facility. Unkamet Brook extends from northwest to southeast through the interior of this GMA, although a portion of the brook in the center of the area flows through underground culverts. The GE-owned portion of this GMA located west of Unkamet Brook is mostly paved and covered with large buildings. The GE-owned portion to the east of Unkamet Brook, as well as much of the land between Merrill Road and the Housatonic

River, is undeveloped except for the area associated with Building OP-3 and the commercial area along Merrill Road.

Groundwater at GMA 3 generally flows in a southeasterly direction toward the Housatonic River, usually with a pattern that mimics the existing topography. However, localized variations in the flow direction exist due to fill materials used beneath building foundations in the GE Plastics area and the presence of Unkamet Brook. The subsurface conditions across GMA 3 are illustrated on cross-sections A-A' and B-B', presented as Figures 3 and 4, respectively. The locations of these cross-sections are provided on Figure 2. Figures 5 and 6 illustrate groundwater elevations and flow direction using data collected during the summer 2005 and fall 2005 monitoring rounds, respectively. The groundwater elevation data utilized to prepare those figures is provided in Tables 3A and 3B. The horizontal hydraulic gradients are somewhat variable within GMA 3, but generally decrease toward the Housatonic River, corresponding to a flattening in the ground surface topography.

Several well pairs or closely-spaced shallow and deep well clusters have been installed at GMA 3. The approximate depth of a well in a cluster can be identified by the letter contained in the well name (e.g., cluster 39 contains wells 39A, 39B-R, 39D, and 39E) which represents the well series, specifically:

- A-series wells are generally screened approximately 45 to 50 feet below ground surface (bgs);
- B-series wells are generally screened at or near the water table, approximately 15 to 25 feet bgs;
- C-series wells are generally screened approximately 95 to 100 feet bgs;
- D-series wells are generally screened approximately 70 to 75 feet bgs; and
- E-series wells are generally screened at depths greater than 150 feet bgs.

Most of the GMA 3 well clusters consist of an A-series well paired with a B-series well, and sometimes one or more of the deeper series wells. Prior monitoring data from the well clusters has indicated that the vertical component of the hydraulic gradient is variable at GMA 3. In general, groundwater flows downward in the northern part of the GMA, moves laterally across the central areas, and rises to the south, near the Housatonic River.

The presence of NAPL in this area has been documented in prior GE reports. NAPL has been observed near Building 59 in coarse gravel that was assumed to be fill material for the foundation of that building. NAPL also has been found in the vicinity of Building 51 and that NAPL may have originated from leakage of underground storage tanks located on the northeast side of that building. Previous investigations have identified the NAPL as

a light non-aqueous phase liquid (LNAPL) in the soil at and above the groundwater table interface. The LNAPL east of Building 51 contains multiple constituents, including PCBs, polynuclear aromatic hydrocarbons (PAHs), ethylbenzene, xylenes, 1,2,4-trichlorobenzene, and 1,4-dichlorobenzene, among other constituents. By contrast, the LNAPL just north of Building 59 contains PCBs, a single low level SVOC, and no VOCs. Dense non-aqueous phase liquid (DNAPL) has not been encountered at any of the monitoring wells within GMA 3.

Distribution of the LNAPL has been confined to the vicinity of Buildings 51 and 59, along the western boundary of the GMA, due primarily to: (a) the generally low hydraulic gradients in this area; (b) the difference in grain size between the coarse fill materials near and beneath the buildings and the grain size of the surrounding native soils; (c) an apparent groundwater mound present between Buildings 59 and 119, to the south of the NAPL area; and (d) the ongoing LNAPL recovery efforts (both automated and manual) conducted by GE. All locations where NAPL has been previously documented are shown on Figure 7, while the extent of NAPL observed in fall 2005 is illustrated on Figure 8. A discussion of the current extent of NAPL and the results of NAPL monitoring and recovery activities is provided in Section 4.6.

1.2.2 Baseline Monitoring Program

As discussed in Section 1.1 above, the CD and the SOW provide for the performance of groundwater-related activities at a number of GMAs, including the implementation of groundwater monitoring, assessment, and recovery programs. In general, these programs consist of a baseline monitoring program conducted over a period of at least two years to establish existing groundwater conditions and a long-term monitoring program performed to assess groundwater conditions over time and to verify the attainment of the Performance Standards for groundwater. The baseline monitoring program was to be initiated at GMA 3 in the spring of 2002, but, as discussed above, access issues prevented performance of the full baseline monitoring program before spring 2004. The full baseline monitoring program is scheduled to continue for a two-year period from its commencement in spring 2004.

As set forth in the GMA 3 Baseline Monitoring Proposal, Addendum, and subsequent EPA-approved program modifications, the baseline monitoring program at this GMA currently involves a total of 62 monitoring wells. All of these wells are monitored for groundwater elevations on a quarterly basis (at a minimum), while 21 of the wells are sampled on a semi-annual basis for analysis of PCBs and/or certain non-PCB Appendix IX+3 constituents. The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well. In addition, groundwater samples from 20 monitoring wells are to be

collected on an annual basis for analysis of certain constituents (i.e., natural attenuation parameters) to assess intrinsic and natural processes that may be influencing VOC concentrations in groundwater. As discussed in a June 15, 2004 letter from GE to EPA, eight wells (i.e., wells 16C, 16E, 89D, 95B, 95C, 111A, 114B, and 114C) that were included in the natural attenuation monitoring program were found to be unusable, and replacements for five of these wells were proposed to be installed. Following EPA approval of that proposal, natural attenuation wells 95B (which is also monitored as a GW-3 monitoring point) 16C, 89D, 111A, and 114B (which is also monitored as a GW-3 monitoring point) were replaced by wells designated as 95B-R, 16C-R, 89D-R, 111A-R, and 114B-R, respectively. The remaining natural attenuation wells that were found to be unusable (i.e., wells 16E, 95C, and 114C) were installed at depths below the area of interest for the natural attenuation monitoring program and other wells that are better-positioned within their respective clusters are being utilized for this monitoring. Therefore, these three wells were removed from the natural attenuation monitoring program. Finally, 27 monitoring wells that are not part of the semi-annual or annual sampling programs are also routinely monitored for groundwater elevation and the presence of NAPL on an established weekly, monthly, or quarterly schedule. The GMA 3 baseline monitoring program is summarized in Table 1 and the construction details of the monitoring wells are provided in Table 2. The well locations are shown on Figure 2. In addition to the wells that are currently being monitored under the baseline monitoring program, another well (GMA3-1) was to be located in a marshy area found to be inaccessible to drilling and sampling equipment. EPA has agreed to defer the installation of well GMA3-1 until after the completion of future remediation activities (i.e., soil/sediment removal and the re-routing of Unkamet Brook) in this area.

1.2.3 Format of Document

The remainder of this report is presented in six sections. Section 2 describes the groundwater- and NAPL-related activities performed at GMA 3 in fall 2005. Section 3 presents the analytical results obtained during the fall 2005 sampling event. Section 4 provides a summary of the applicable groundwater quality and NAPL-related Performance Standards under the CD and SOW, an assessment of the groundwater quality results from fall 2005, including comparisons to the currently applicable groundwater quality Performance Standards and to the Upper Concentration Limits (UCLs) for groundwater, and an evaluation of the NAPL monitoring/recovery program. Section 5 proposes certain modifications to the current NAPL and baseline groundwater quality monitoring programs, including a proposal to modify and, as so modified, to extend the baseline groundwater quality program (referred to as the "interim monitoring program") until such time as the soil-related Removal Actions at the Unkamet Brook Area RAA, which GMA 3 encompasses, are completed and the needs for a long-term monitoring program may be fully determined. Finally, Section 6 addresses the schedule for future field

and reporting activities related to groundwater quality and NAPL presence at GMA 3, focusing in particular on the spring 2006 monitoring event.

2. Field and Analytical Procedures

2.1 General

The activities conducted as part of the fall 2005 semi-annual groundwater monitoring program primarily involved measurement of groundwater/NAPL levels, and the collection of groundwater samples from monitoring wells within GMA 3. Monitoring and recovery of LNAPL (if present) were routinely performed at the monitoring wells which are included in the NAPL monitoring program. All wells that were gauged for groundwater elevations, sampled for groundwater quality, and/or monitored for LNAPL during fall 2005 are identified in Table 1, and a site plan showing the groundwater monitoring/sampling locations described in this report is presented on Figure 2. This section discusses the field procedures used to conduct those field activities, as well as the methods used to analyze the groundwater samples. All activities were performed in accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

2.2 Groundwater Elevation Monitoring

Summer 2005 and fall 2005 quarterly groundwater elevation monitoring was performed in July 2005 and October 2005, respectively. This activity involved the collection of groundwater level data at the locations listed in Tables 3A and 3B. Groundwater levels and NAPL thicknesses (where NAPL is present) were measured in accordance with the procedures specified in GE's approved FSP/QAPP. The July 2005 and October 2005 groundwater elevation data are presented in Tables 3A and 3B, respectively, and the data obtained from wells screened across or near the water table were used to prepare groundwater elevation contour maps (Figures 5 and 6, respectively).

Groundwater elevations were, on average, approximately 0.21 feet lower and 1.19 feet higher than the elevations measured during the respective prior seasonal monitoring events in summer 2004 and fall 2004 at water table monitoring locations measured during both monitoring events. Consistent with prior data, groundwater was found to generally flow toward the Housatonic River, with some localized variations in the vicinity of Buildings 51 and 59. LNAPL monitoring and recovery data for fall 2005 are summarized in Table 4 and Appendix A.

GE was unable to measure groundwater elevations at the following locations during the summer 2005 monitoring round: well 51-17 (paved over), well GMA3-6 (buried beneath soil pile), piezometer UB-PZ-1(destroyed), piezometer UB-PZ-2 (destroyed), and staff gauges GMA3-SG-1 and GMA3-SG-4 (damaged). Following that monitoring round, GE was able to uncover the two monitoring wells and replaced staff gauge GMA3-SG-1 with a marked reference point and re-installed staff gauge GMA3-SG-4. Each of these locations was measured during the subsequent fall monitoring round, with the exception of staff gauge GMA3-SG-1, where the reference point was not located (the reference has been re-marked and this gauge was measured during the recent winter monitoring round).

2.3 Groundwater Sampling and Analysis

Due to flooding within and around Unkamet Brook which prevented access to monitoring wells in the southern portion of the GMA, the fall 2005 baseline sampling event was performed in three phases conducted between October 18, 2005 and December 8, 2005. GE initiated the fall 2005 groundwater sampling event on October 18, 2005 and completed the required data collection at all 14 accessible monitoring wells by October 21, 2005. Sampling was then postponed until flood waters receded to allow access to the remaining wells. All but two of the remaining GMA 3 locations were sampled between November 4 and 10, 2005. The final two locations, located at the southernmost point of GMA 3, near the Housatonic River, were sampled on December 8, 2005. Thus, through the three phases of sampling collection, GE was able to collect samples from all of the 20 wells at which samples were to be collected in fall 2005. As explained in Section 1.2, the installation of well GMA3-1, located in a marshy area, has been deferred until re-routing of Unkamet Brook. In addition supplemental samples were collected from natural attenuation monitoring wells 39B-R and 114A for VOC analysis per GE's proposal contained in the Spring 2005 GMA 3 Baseline Report.

Low-flow sampling techniques using either a bladder or peristaltic pump were generally utilized for the purging and collection of groundwater samples during this sampling event. The specific sampling method utilized, as well as a summary of any deviations from the low-flow sampling method specified in the FSP/QAPP, are listed in Appendix B. Each monitoring well was purged until field parameters (including temperature, pH, specific conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) stabilized or the well was pumped dry. The field parameters were measured in combination with the sampling activities at all monitoring wells sampled. The data are summarized in Table 5 and the field sampling records are contained in Appendix B. A general summary of the fall 2005 field measurement results, collected just prior to sampling, for the monitoring event is provided below:

PARAMETER	UNITS	RANGE
Turbidity	Nephelometric turbidity units	1.0 – 124.0
pH	pH units	5.8 – 17.4
Specific Conductivity	Millisiemens per centimeter	0.2 – 14.00
Oxidation-Reduction Potential	Millivolts	186.5 – 301.4
Dissolved Oxygen	Milligrams per liter	0.3 - 8.5
Temperature	Degrees Celsius	7.4 – 19.5

Only one well (OBG-2) did not achieve the sample turbidity goal of 50 nephelometric turbidity units (NTU) or less in fall 2005. This well is located south of Building OP-3 and also produced moderately high turbidity during the previous fall sampling round. Although well OBG-2 was purged at an extremely low pump setting over an extended period, the turbidity stabilized at a level above the 50 NTU goal (124 NTU). As discussed in Section 5.3, this well is not proposed for inclusion in GE's proposed interim groundwater monitoring program. If additional sampling is to be conducted at this well in the future, GE will re-develop this well prior to sampling and will continue to attempt to collect lower turbidity samples from this well using low-flow purging and sampling techniques.

The collected groundwater samples were submitted to SGS Environmental Services of Charleston, West Virginia, for laboratory analysis. For all groundwater samples, except those from the wells that were monitored solely for compliance with the GW-2 standards, the samples were submitted for analysis of the following parameters using the associated EPA methods:

PARAMETER	EPA METHOD
VOCs	8260B
Semi-Volatile Organic Compounds (SVOCs)	8270C
PCBs (Filtered and Unfiltered Samples)	8082
Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans (PCDDs/PCDFs)	8290
Pesticides and Herbicides	8080 and 8151
Metals (Filtered and Unfiltered Samples)	6010B, 7000A, and 7470A
Cyanide (Filtered and Unfiltered Samples)	9014
Sulfide	9034

For groundwater samples collected from wells that are monitored solely for compliance with the GW-2 standards, the samples were submitted for analysis of the VOCs listed in GE's FSP/QAPP, as well as five select compounds listed as SVOCs in the FSP/QAPP (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene,

1,2,4-trichlorobenzene, and naphthalene), using EPA Method 8260B, in accordance with a letter from GE to EPA dated February 20, 2002. The sample from well 114A, which was analyzed for VOCs using EPA Method 8260B, also contains an SVOC analytical result for hexachlorobutadiene. This constituent is not part of the requirements that pertain to wells monitored solely for VOCs or as part of the natural attenuation monitoring program; however, an analysis for this constituent was inadvertently conducted and reported by the laboratory (the analytical result for this constituent was non-detect in the 114A sample).

The data for the fall 2005 interim groundwater quality sampling were validated in accordance with the FSP/QAPP. As discussed in the validation report provided as Appendix E, 98.3% of the fall 2005 groundwater quality data are considered to be useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The VOC, PCDD/PCDF, and inorganic sample results were found to be 100% usable, while the SVOC sample results were found to be 98.1% usable, the PCB sample results were found to be 97.4% usable, and the pesticide/herbicide samples were found to be 92.3% usable. The validated analytical results are summarized in Section 3 and discussed in Section 4 below.

2.4 LNAPL Monitoring and Recovery

This section describes the results of the LNAPL monitoring and recovery activities performed by GE within GMA 3 from July through December 2005 (henceforth referred to as fall 2005), including the October 2005 semi-annual monitoring event and other routine and non-routine monitoring/recovery activities conducted during that period. These activities primarily include the operation of the automated LNAPL recovery system at well 51-21, the routine measurement of groundwater elevations and NAPL thickness (if present), and the manual removal of NAPL if sufficient thickness is present. All activities were performed in accordance with GE's approved FSP/QAPP.

Approximately one to two weeks prior to the semi-annual monitoring event, GE monitored all wells where the presence of NAPL was noted during the prior year and manually removed any NAPL which was present. The purpose of these bailing rounds 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 removal 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.

Routine LNAPL monitoring was conducted at the monitoring wells listed in Table 4 on a quarterly, monthly, and/or weekly basis. Table 4 also summarizes the fall 2005 LNAPL removal data on a well-by-well basis, and Table A-1 (Appendix A) presents a summary of all of the fall 2005 LNAPL measurements and removal quantities (when performed) for each well at GMA 3. Approximately 165 gallons of LNAPL were recovered between July and December 2005 at GMA 3. Approximately 92 % of this total (151 gallons) was removed by the automated skimmer system at well 51-21, and the remainder was manually recovered during LNAPL recovery testing and routine monitoring events. Since 1997, approximately 1,112 gallons of LNAPL have been removed from GMA 3 as part of GE's NAPL monitoring and recovery program.

In addition, in the Fall 2004 GMA 3 Baseline Report, GE proposed that if any NAPL were discovered in wells GMA3-13 or GMA3-14, GE would perform a visual inspection of the sanitary sewer line that extends along the western edge of GMA 3 along Plastics Avenue. NAPL was detected in well GMA 3-13 in spring 2005. Therefore, as previously reported in the Spring 2005 GMA 3 Baseline Report, a visual inspection of the sanitary sewer line that extends along the western edge of GMA3 along Plastics Avenue was conducted in July 2005. No indications of NAPL or sheens were observed in the sanitary sewer manholes along Plastics Avenue, or in well GMA4-3, which is located outside the GMA 3 boundary along Plastics Avenue. GE has monitored well GMA4-3 on a monthly basis since April 2005 to verify that LNAPL has not migrated from GMA 3 to the western side of Plastics Avenue.

Figure 7 depicts the historical maximum extent of LNAPL observed at GMA 3. That figure represents a compilation of past investigations and shows the maximum lateral extent of LNAPL that has been observed and documented in prior GE reports, and is not indicative of current conditions. Figure 8 indicates the extent of LNAPL observed during the semi-annual monitoring event conducted in October 2005. As shown on those two figures, the northern (upgradient) extent of LNAPL has decreased since the onset of the periodic LNAPL monitoring and recovery activities being conducted in this area. The extent of LNAPL to the west of Building 51 shows a slight decrease from prior years due to the lack of LNAPL observed in well GMA3-13 during the fall 2005 monitoring event. However, LNAPL was observed in this well on several other occasions in fall 2005. Consistent with historical monitoring results at this GMA, DNAPL was not encountered in any of the monitoring wells gauged during fall 2005.

3. Groundwater Analytical Results

3.1 General

This section presents a description of the fall 2005 groundwater and LNAPL analytical results. A summary of the full validated fall 2005 data set is provided in Appendix C, while the data validation report on these results is presented in Appendix E. Tables 6, 7, and 8 summarize the validated results for detected constituents in groundwater relative to the MCP Method 1 GW-2 and GW-3 standards and the MCP UCLs for groundwater, respectively. An assessment of these results relative to those groundwater quality standards and UCLs is provided in Section 4.

3.2 Baseline Groundwater Quality Results

3.2.1 VOC Results

Groundwater samples from 22 monitoring wells were analyzed for VOCs during the fall 2005 sampling event. The VOC analytical results for all constituents analyzed are summarized in Appendix C. No VOCs were detected in six of the groundwater samples, while 8 individual VOCs were observed in the remaining 16 samples. The most commonly observed VOCs were benzene and toluene (both detected in 8 groundwater samples, plus one duplicate each) and chlorobenzene (detected in 7 groundwater samples, plus one duplicate). Total VOC concentrations ranged from non-detect (in six samples) to 97 parts per million (ppm) in natural attenuation monitoring well 114A.

3.2.2 SVOC Results

Groundwater samples from 13 monitoring wells were analyzed for SVOCs during the fall 2005 sampling event. Additionally, samples from seven GW-2 monitoring wells were analyzed for five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene) using EPA Method 8260B, and one natural attenuation well (114A) was analyzed for one select SVOC (hexachlorobutadiene), also using EPA Method 8260B. The SVOC analytical results for all constituents analyzed are summarized in Appendix C. Overall, 16 individual SVOC constituents were observed in one or more groundwater samples, although seven of those SVOCs were only observed in well 78B-R, which contained a total of 14 SVOCs. The remaining wells contained six or fewer SVOCs, often at trace

concentrations below the associated PQLs. No SVOCs were detected in eight of the groundwater samples that were analyzed for the entire Appendix IX SVOC list, plus benzidine and 1,2-diphenyhydrazine. No SVOCs were detected in five of the seven GW-2 groundwater samples that were analyzed for five select SVOCs. The SVOC detections in wells 16B-R and GMA3-2 were limited to certain constituents at levels below the PQLs. Hexachlorobutadiene was not detected in the sample from natural attenuation well 114A that was inadvertently analyzed for this constituent as part of the VOC analysis performed at this well.

3.2.3 PCB Results

Unfiltered groundwater samples from 13 monitoring wells and filtered groundwater samples from 12 monitoring wells were analyzed for PCBs as part of the fall 2005 sampling event (a filtered sample from well 114B-R was not analyzed due to a laboratory handling error). The PCB analytical results for all aroclors analyzed are summarized in Appendix C. PCBs were detected in eleven of the unfiltered groundwater samples and in nine of the filtered groundwater samples. Total PCB concentrations in the unfiltered samples ranged from non-detect (in two samples) to 0.00066ppm, while filtered sample concentrations ranged from non-detect (in three samples) to 0.00030 ppm.

3.2.4 Pesticide/Herbicide Results

Groundwater samples from nine monitoring wells were analyzed for pesticides and herbicides during the fall 2005 sampling event. The analytical results for the constituents analyzed are presented in Appendix C. No pesticides or herbicides were detected in any of the groundwater samples.

3.2.5 PCDD/PCDF Results

Groundwater samples from 13 monitoring wells were analyzed for PCDDs/PCDFs during the fall 2005 sampling event. The PCDD/PCDF analytical results are summarized in Appendix C. No PCDD/PCDF congeners were observed in any of the groundwater samples. Total Toxicity Equivalency Quotients (TEQs) were calculated for the PCDD/PCDF compounds using the Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO). In calculating those TEQs, the concentrations of individual PCDD/PCDF compounds that were not detected were represented as one-half the analytical detection limit for those compounds. Total TEQ concentrations ranged from 6.9×10^{-9} to 1.0×10^{-8} ppm.

3.2.6 Inorganics Results

Unfiltered and filtered groundwater samples from thirteen monitoring wells were analyzed for inorganics during the fall 2005 sampling event. The inorganic analytical results for all inorganic constituents analyzed are summarized in Appendix C. A total of 14 individual inorganic constituents that were detected in one or more of the unfiltered samples, while 12 inorganic constituents were detected in one or more filtered samples. The most commonly observed inorganics were barium, vanadium, and cadmium.

4. Assessment of Results

4.1 General

This report constitutes the fourth groundwater quality/NAPL recovery monitoring report submitted since commencement of the full GMA 3 baseline groundwater monitoring program. Four other, limited, reports covering the period in which certain baseline groundwater quality monitoring activities could not be implemented due to property access issues have also been submitted. Conclusions developed herein are based on the laboratory results and field measurements obtained during the fall 2005 groundwater sampling event, supplemented with historical groundwater analytical data where available.

4.2 Performance Standards

4.2.1 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 3 are set forth in Section 2.7 and Attachment H (Section 4.1) of the SOW. In general, the Performance Standards for groundwater quality are based on the groundwater classification categories designated in the MCP. The MCP identifies three potential groundwater categories that may be applicable to a given site. One of these, GW-1 groundwater, applies to groundwater that is a current or potential source of potable drinking water. None of the groundwater at any of the GMAs at the Site is classified as GW-1. However, the remaining MCP groundwater categories are applicable to GMA 3 and are described below:

- GW-2 groundwater is defined as groundwater that is a potential source of vapors to the indoor air of buildings. Groundwater is classified as GW-2 if it is located within 30 feet of an existing occupied building and has an average annual depth below ground surface of 15 feet or less. Under the MCP, volatile constituents present within GW-2 groundwater represent a potential source of organic vapors to the indoor air of the overlying and nearby occupied structures.

- GW-3 groundwater is defined as groundwater that discharges to surface water. By MCP definition, all groundwater at a site is classified as GW-3 since it is considered to be ultimately discharged to surface water. In accordance with the CD and SOW, all groundwater at GMA 3 is considered as GW-3.

The CD and the SOW allow for the establishment of standards for GW-2 and GW-3 groundwater at the GMAs through use of one of three methods, as generally described in the MCP. The first, known as Method 1, consists of the application of pre-established numerical "Method 1" standards set forth in the MCP for both GW-2 and GW-3 groundwater (310 CMR 40.0974). These "default" standards have been developed to be conservative and will serve as the initial basis for evaluating groundwater at GMA 3. The current MCP Method 1 GW-3 standards for the constituents detected in the fall 2004 sampling event are listed in Table 5. (In the event of any discrepancy between the standards listed in these tables and those published in the MCP, the latter will be controlling.) For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards. Of course, whichever method is used to establish such groundwater standards, GW-2 standards will be applied to GW-2 groundwater and GW-3 standards will be applied to GW-3 groundwater.

On January 9, 2006, MDEP approved revised numerical standards (Wave 2 Standards) for a number of constituents. In approving those standards, MDEP stated that the revised standards are expected to become effective on April 3, 2006. MDEP stated, however, that parties may, at their option, use those revised standards pursuant to 40 CMR 40.0982(7) to characterize risk at a disposal site and the use of these standards will be considered a Method 2 Risk Characterization. For PCBs, the issued Wave 2 standards do not change the current Method 1 standard, but they state that PCBs will be subject to a further change in a spring 2006 proposal by MDEP. For the assessment of analytical results included in this report, GE will continue to utilize the current MCP Method 1 standards. Once the Wave 2 Standards become effective, GE proposes to incorporate those standards into future data assessments at this GMA.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 3 consist of the following:

1. At monitoring wells designated as compliance points to assess GW-2 groundwater (i.e., groundwater located at an average depth of 15 feet or less from the ground surface and within 30 feet of an existing occupied building), groundwater quality shall achieve any of the following:

   (a) the Method 1 GW-2 groundwater standards set forth in the MCP (or, for constituents for which no such standards exist, Method 2 GW-2 standards once developed, unless GE provides and EPA approves a rationale for not developing such Method 2 standards); or

   (b) alternative risk-based GW-2 standards developed by GE and approved by EPA as protective against unacceptable risks due to volatilization and transport of volatile chemicals from groundwater to the indoor air of nearby occupied buildings; or

   (c) a condition, based on a demonstration approved by EPA, in which constituents in the groundwater do not pose an unacceptable risk to occupants of nearby occupied buildings via volatilization and transport to the indoor air of such buildings.

2. Groundwater quality shall ultimately achieve the following standards at the perimeter monitoring wells designated as compliance points for GW-3 standards:

   (a) the Method 1 GW-3 groundwater standards set forth in the MCP (or, for constituents for which no such standards exist, Method 2 GW-3 standards once developed, unless GE provides and EPA approves a rationale for not developing such Method 2 standards); or

   (b) alternative risk-based GW-3 standards proposed by GE and approved by EPA as protective against unacceptable risks in surface water due to potential migration of constituents in groundwater.

These Performance Standards are to be applied to the results of the individual monitoring wells included in the monitoring program. Several monitoring wells have been designated as the compliance points for attainment of the Performance Standards identified above. In addition, at GMA 3, a number of wells are designated as natural attenuation monitoring wells, which are used to evaluate natural attenuation mechanisms in groundwater. The GW-2, GW-3, and natural attenuation monitoring wells at this GMA were identified in the GMA 3 Baseline Monitoring Proposal Addendum and are listed in Table 1.

4.2.2 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. In response, GE proposed several NAPL monitoring program guidelines in the Fall 2001 NAPL Monitoring Report for GMA 1 (conditionally approved by EPA on August 29, 2002) and subsequently implemented the approved guidelines across all GMAs. Those guidelines were incorporated into the most recent revision to GE's *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP) submitted to EPA on June 15, 2004.

4.3 Groundwater Quality

The analytical results from the fall 2005 groundwater sampling event were compared to the applicable MCP Method 1 GW-2 and GW-3 standards and to the UCLs for groundwater. These comparisons are summarized in Tables 6, 7, and 8 (for the GW-2 standards, GW-3 standards, and UCLs, respectively) and are discussed in the following subsections.

4.3.1 Groundwater Results Relative to GW-2 Performance Standards

Groundwater samples were collected from all ten designated GW-2 monitoring wells (16B-R, 51-14, GMA3-2, GMA3-4, GMA3-5, GMA3-6, GMA3-7, GMA3-8, GMA3-9, and OBG-2) in fall 2005. The fall 2005 groundwater analytical results for all detected constituents subject to MCP Method 1 GW-2 standards and a comparison of those results with the applicable MCP Method 1 GW-2 standards are presented in Table 6. As shown in Table 6, none of the fall 2005 sample results from the GW-2 monitoring wells exceeded the GW-2 standards. In addition, none of the GW-2 wells exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells within 30 feet of a school or occupied residential structure and as a trigger level for the proposal of interim response actions).

4.3.2 Groundwater Results Relative to GW-3 Performance Standards

A total of 13 of the 14 monitoring wells at GMA 3 designated as GW-3 monitoring wells (6B-R, 54B-R, 78B-R, 82B-R, 89B, 90B, 95B-R, 111B-R, 114B-R, GMA3-3, GMA3-5, GMA3-6, and GMA3-7) were sampled in fall 2005. As discussed in Section 1.2, the final baseline monitoring well (GMA3-1) will not be installed until after the completion of future remediation activities and the re-routing of Unkamet Brook. The fall 2005 groundwater analytical results for all detected constituents and a comparison of those results with the applicable MCP Method 1 GW-3 standards are presented in Table 7.

In comparing the baseline monitoring results for PCBs and inorganic constituents to the Method 1 GW-3 standards, GE has used the results from the filtered samples. EPA has previously agreed to this approach in a letter to GE dated January 2, 2002. Accordingly, the unfiltered sample results for these constituents were used only for comparison to the MCP UCLs (discussed in Section 4.3.3 below).

The comparisons set forth in Table 7 indicate that the only exceedances of the Method 1 GW-3 standards at GW-3 monitoring wells were for chlorobenzene in three wells and PCBs in a single well. Specifically, chlorobenzene concentrations detected in the samples from GW-3 perimeter wells 78B-R (2.3 ppm), 6B-R (3.3 ppm), and 114B-R (3.3 ppm) exceed the Method 1 GW-3 standard of 0.5 ppm. PCB concentrations in the filtered sample analyzed from well 82B-R were detected at a concentration equal to the Method 1 GW-3 standard of 0.0003 ppm.

The SOW requires that interim response actions must be proposed for baseline sampling results which exceed Method 1 GW-3 standards at downgradient perimeter monitoring wells, in which: (a) such an exceedence had not previously been detected, or (b) there was a previous exceedance of the Method 1 GW-3 standard and the groundwater concentration is greater than or equal to 100 times the GW-3 standard (if the exceedance was not previously addressed). These interim response actions may include: (1) further assessment activities, such as resampling, increasing the sampling frequency to quarterly, additional well installation, and/or continuing the baseline monitoring program; (2) active response actions; and/or (3) the conduct of a site-specific risk evaluation and proposal of alternative risk-based GW-3 Performance Standards.

For two of the three wells where the Method 1 GW-3 standard for chlorobenzene was exceeded (wells 78B-R and 6B-R), prior VOC data has shown similar or greater concentrations than those detected during fall 2005. Chlorobenzene concentrations at well 114B-R were slightly higher in fall 2005 than in previous monitoring periods, but concentrations remain well below the 100 times the GW-3 standard for chlorobenzene (50 ppm). In addition, these three wells are located in the vicinity of a known chlorobenzene plume. GE's proposed response action to address these exceedances is discussed further in Section 6.2.3 and consists of additional monitoring at wells 6B-R and 114B-R during the proposed interim monitoring program, while additional sampling of well 78B-R is proposed to be deferred until a long-term monitoring program is implemented at this GMA. The PCB result from well 82B-R represented the second detection of PCBs at this well during the baseline monitoring program. This well has been sampled on three occasions and both the spring 2005 and fall 2005 PCB concentrations were equal to the Method 1 GW-3 standard. Therefore, GE's proposed response to address this

result is also to complete the baseline sampling program at this well. GE's proposals concerning ongoing groundwater monitoring is discussed in Section 5 below.

4.3.3 Comparison to Upper Concentration Limits

In addition to comparing the fall 2005 groundwater analytical results with applicable MCP Method 1 GW-2 and GW-3 standards, all detected constituents have also been compared with the groundwater UCLs specified in the MCP (310 CMR 40.0996(7)), as presented in Table 8. The results shown on Table 8 indicate that no constituents were detected at levels above the applicable UCL.

As illustrated in Appendix D, the concentrations of VOCs have decreased significantly from their historical high levels at locations with large historical databases. The UCL for chlorobenzene is 10 ppm, which was exceeded at natural attenuation wells at wells 39B-R and 114A in spring 2005. Because of this, these wells were included in the fall 2005 sampling round for supplemental VOC sampling. Results from fall 2005 showed significant reductions in chlorobenzene concentrations for both wells 39B-R and 114A (0.24 ppm and non-detect, respectively).

4.4 Overall Assessment of Analytical Results

Graphs illustrating historical concentrations of total VOCs and filtered and unfiltered PCBs, along with the fall 2005 concentrations, are provided in Appendix D for all wells sampled in fall 2005 that have been previously sampled and analyzed for those constituents. In addition, Appendix D contains graphs of historical concentrations of individual constituents (e.g., chlorobenzene) that exceeded the applicable MCP Method 1 GW-3 standards or UCLs at monitoring wells during any of the prior baseline monitoring program sampling events that were analyzed for those constituents in fall 2005.

The fall 2005 monitoring event constitutes only the third or fourth sampling event at many locations under the GMA 3 baseline monitoring program, thus the amount of data available to assess any trends in constituent concentrations is limited in some wells, while other wells have an extensive historical database. Based on a review of the Concentration vs. Time graphs presented in Appendix D, it appears that concentrations of total VOCs are considerably below their historical high levels in many of the wells downgradient of the former Waste Stabilization Basin, (i.e., the area known to contain the greatest VOC concentrations) where several years of

prior data are available. Where minor increases have been observed during the baseline monitoring program, the constituent concentrations are generally still well below historical high levels. A recent increase in VOC concentrations has been observed at the 114 well cluster, and GE will continue to monitor the wells in this cluster (114A and 114B-R) in its proposed interim groundwater quality monitoring program (including additional analyses for two biodegradation end products), as discussed below. The concentrations of PCBs in wells over time do not appear to follow any apparent trend, but instead show minor fluctuations at low concentration levels.

4.5 Evaluation of NAPL Monitoring and Recovery Activities

This section discusses the effectiveness of the existing NAPL monitoring and recovery program at GMA 3 in fall 2005 and proposes certain modifications to optimize operations in the future. In general, the ongoing NAPL recovery operations at GMA 3 have proven effective in removing LNAPL from the subsurface and in preventing LNAPL migration, and only minor additional activities or modifications to the current field activities are suggested (e.g., installation of replacement wells or modifications to the monitoring frequency of certain wells outside the perimeter of the known LNAPL area). These modifications are discussed in detail in Section 5 below. A summary of the proposed future groundwater elevation and NAPL monitoring schedule is provided in Table 10.

4.5.1 Extent of NAPL

The historical maximum extent of measurable LNAPL at GMA 3 is illustrated on Figure 7, while the extent of LNAPL observed in October 2005 is shown on Figure 8. These figures show a significant decrease in the extent of measurable LNAPL observed in fall 2005 compared to the known maximum extent along the northeastern edge of the LNAPL area and a slight apparent decrease to the west (although that result may be misleading, as discussed below). This reduction in LNAPL extent on the northeastern portion of the LNAPL plume may, at least in part, be attributable to GE's NAPL recovery program, which includes an automatic skimmer system in well 51-21 and routine manual recovery of LNAPL at surrounding locations.

As previously mentioned, the extent of LNAPL in fall 2005 (Figure 8) appears slightly less along its western edge, compared to the maximum known extent of NAPL (Figure 7). This apparent size reduction is attributable to the lack of measurable LNAPL in well GMA3-13 during the fall 2005 monitoring event. However, since LNAPL was observed in GMA3-13 during several other rounds between July and December 2005, the extent of LNAPL in this area in fall 2005 is likely unchanged.

GE has also monitored GMA 4 well GMA4-3, located across Plastics Avenue from well GMA3-13. No NAPL has ever been detected in that well. Other than the reduction in existence of LNAPL along the northern edge of the LNAPL area and the slight variations in LNAPL presence in well GMA3-13, the extent of LNAPL has remained relatively consistent for several years. As discussed in Section 2.5, GE performed inspections of sanitary sewer manholes along Plastics Avenue in July 2005 and no indications of NAPL presence were observed. Therefore, that pipeline does not appear to be acting as a conduit for LNAPL transport from this area.

4.5.2 NAPL Monitoring and Recovery

As discussed in Section 2.4, approximately 165 gallons of LNAPL were recovered at GMA 3 in fall 2005. Of this total, approximately 151 gallons were removed by the automated skimmer system at well 51-21, and the remaining 14 gallons were manually recovered from other monitoring wells (see Table 4). For comparison, over the same time period in fall 2004, approximately 43 gallons of LNAPL were recovered at GMA 3 (approximately 28 gallons by the automated skimmer system at well 51-21, and approximately 15 gallons from other monitoring wells). Since 1997, approximately 1,112 gallons of LNAPL have been removed from GMA 3 as part of GE's NAPL monitoring and recovery program.

Since the amount of LNAPL recovered by the automated skimmer system in fall 2005 was significantly greater than in fall 2004, GE does not propose any modifications to the system at this time. GE will continue to evaluate its ongoing NAPL monitoring and recovery activities and may present a proposal to optimize its NAPL recovery efforts in future NAPL monitoring reports, as appropriate.

5. Proposed Groundwater and NAPL Monitoring Program Modifications

5.1 General

In fall 2005, GE conducted the fourth sampling event at most of the wells included in the baseline groundwater monitoring program. However, under the current schedules, GE has not yet completed the remainder of the Removal Actions at the Unkamet Brook RAA that comprises GMA 3. Therefore, GE believes it is premature to implement a long-term groundwater monitoring until those activities have been conducted. Further, as discussed below, a fourth round of sampling will be conducted at five wells (54B-R, 82B-R, 95B-R, and 111B-R) during spring 2006 to provide a total of four semi-annual baseline sampling events. The additional round of sampling at these wells is necessary because of either previous access restrictions and/or field conditions that prevented sample collection during prior baseline sampling events. Moreover, installation of well GMA3-1 has been deferred pending the re-routing of Unkamet Brook.

Section 6.1.3 of Attachment H to the SOW provides that if the two-year "baseline" period ends prior to the completion of soil-related response actions at all the RAAs in a GMA, GE may make a proposal to EPA for approval to modify and/or extend the Baseline Monitoring Program based on the results of the initial assessment and the estimated timing of future response actions at the RAAs in the GMA. The SOW also states that such a proposal shall be presented in the baseline assessment final report for that GMA. Similarly, the approved GMA 3 Baseline Monitoring Proposal also allows GE to propose a modification and/or extension of the baseline monitoring program based on the results of the initial assessment and the estimated timing of future response actions.

As noted above, the two-year baseline period for GMA 3 (with the exception of two wells) has ended prior to the completion of soil-related response actions at the RAA which comprises this GMA. Therefore, consistent with the approach already implemented at the other GMAs at the Site, GE proposes to extend and modify the baseline monitoring program.

For the same reasons it is premature to terminate the baseline monitoring program, it is also premature to submit a final baseline monitoring program report. Therefore, consistent with the approach used at the other GMAs, rather than making this proposal in the final baseline monitoring program report, GE proposes the extension and modification of the baseline monitoring program in this report, and further proposes that submission of the final

baseline monitoring program report be deferred until completion of the interim monitoring program. The proposed interim monitoring program is described in Section 5.3 below.

This section also contains a discussion of certain proposed modifications to the interim groundwater monitoring program that were previously proposed in the Spring 2005 Groundwater Quality Report (awaiting EPA comment/approval), including updates to the status of those prior proposals following the groundwater and NAPL monitoring activities conducted in fall 2005.

5.2 Previously Proposed Modifications to Baseline Groundwater Quality Monitoring Program

5.2.1 Well Repair / Replacement Well Installations

As described in the Spring 2005 GMA 3 Baseline Report, GE found that several monitoring wells and staff gauges were damaged or destroyed. GE attempted to repair these wells and gauges in fall 2005 and was able to utilize well 51-17 and GMA3-6 and has replaced and re-surveyed all four staff gauges. However, GE has determined that well 39D and piezometers UB-PZ-1 and UB-PZ-2 are no longer usable. Therefore, as previously proposed, GE proposes to decommission well UB-PZ-1 and utilize nearby well GMA3-7 in its place for quarterly groundwater elevation/NAPL monitoring activities. Since there are no suitable substitutes near piezometer UB-PZ-2, GE will decommission that piezometer and install a replacement well (to be designated as GMA3-15) in a nearby location. GE will add that new well to its quarterly NAPL and groundwater elevation monitoring program. Finally, well 39D has also been confirmed to be destroyed. This well is part of a well cluster utilized in GE's natural attenuation monitoring program. Based on the location of this well near the former Waste Stabilization Basin and prior analytical data, GE proposes to install a replacement well near this location, to be designated as well 39D-R.

Details concerning these well installations, if approved by EPA, will be provided in the next groundwater monitoring report.

5.2.2 Previously Proposed Response to Spring 2005 Exceedances of MCP Method 1 GW-3 Standards

In spring 2005, chlorobenzene was detected above the MCP Method 1 GW-3 standard at perimeter wells 78B-R, 89B, and 114B-R. As shown in the graphs in Appendix D, chlorobenzene concentrations at well 89B in spring 2005 were significantly lower than their historical high levels, and were much lower yet in fall 2005.

Chlorobenzene concentrations at well 78B-R have remained relatively consistent over the time this well has been monitored, and chlorobenzene concentrations in well 114B-R in fall 2005 were higher than in recent years, but were similar to the concentrations in the early 1980s. In spring 2005, GE proposed to conduct continued monitoring at these wells and, as discussed above, each of these wells was sampled in fall 2005. GE's proposal for future monitoring activities at these wells is discussed in Section 5.3. Specifically, GE proposes to continue to monitor wells 89B and 114B-R as part of the natural attenuation monitoring network (in addition to completion of the fourth round of baseline sampling at well 114B-R during spring 2006). In light of the purpose of the interim monitoring program, as explained below, GE proposes to defer further monitoring of well 78B-R pending proposal of a long-term groundwater quality monitoring program by GE.

The PCB concentration in the filtered sample analyzed in spring 2005 from well 82B-R was equal to the Method 1 GW-3 standard of 0.0003 ppm. Based on those data, GE proposed continued monitoring to further assess that result, which represented the first detection of PCBs at well 82B-R. An identical PCB concentration was detected in the filtered sample collected from this well in fall 2005, which was the third time the well has been sampled for PCB analysis to date. Therefore, in light of the fact that the detected PCB concentrations are equal to the Method 1 GW-3 standard and that only three rounds of PCB data have been collected, GE again proposes to continue the baseline sampling program at this well.

5.2.3 Natural Attenuation Monitoring Program Modifications

In spring 2005, the UCL for chlorobenzene of 10 ppm was exceeded at five natural attenuation wells 2A (120 ppm), 16A (26 ppm), 39B-R (12 ppm), 89A (16 ppm), and 114A (12 ppm) located within the known VOC plume present to the south of the former Waste Stabilization Basin. The results at three of these wells were consistent with prior investigation results that generally show a decrease in VOC concentrations from their historically high levels. However, the chlorobenzene UCL was exceeded for the first time at wells 39B-R and 114A, each of which had only been sampled twice at that time. GE's proposed response was to collect an additional round of samples from these natural attenuation monitoring locations in fall 2005 for analysis of VOCs. The fall 2005 results show that the chlorobenzene concentrations in wells 39B-R and 114A (0.24 ppm and non-detect, respectively) dropped significantly to levels well below the UCL for chlorobenzene. As discussed in Section 5.3.2 below, GE proposes to continue sampling these wells as part of its natural attenuation monitoring program, with the next sampling round scheduled for spring 2006. In addition, GE proposes to add downgradient wells 115A and 115B to the natural attenuation monitoring program in spring 2006.

In addition, as discussed above, GE proposes to replace well 39D with a new well 39D-R at a nearby location.

5.2.4 NAPL Monitoring and Recovery Program Modifications

In spring 2005, GE proposed the following modifications to the GMA 3 NAPL monitoring program:

- Well GMA3-13 was initially scheduled to be monitored for LNAPL on a monthly basis. However, per the NAPL monitoring program protocols, the monitoring frequency was temporarily increased to weekly following the initial detection of LNAPL at this well and any LNAPL observed was manually removed. Since the amount of LNAPL recovered by this well had been steadily decreasing during the weekly monitoring events (see Appendix C), GE proposed to return to the former monthly monitoring schedule and to implement the standard criteria for LNAPL removal, i.e., observed thickness of greater than 0.25 feet, rather than removing any LNAPL present. Based on recent technical discussions with EPA, GE will continue to monitor this well on a weekly basis. However, as discussed in Section 5.4 below, GE still proposes to implement the standard criteria for LNAPL removal at this location.

- As noted above in Section 5.2.1, GE attempted to repair the damaged wells that are part of the LNAPL monitoring program, as GE had proposed to EPA. In the Spring 2005 GMA 3 Baseline Report, GE proposed that if well UB-PZ-2 could not be repaired, GE would decommission that well and install a replacement well (designated GMA3-15) in a nearby location. As GE has now determined that piezometers UB-PZ-1 and UB-PZ-2 cannot be repaired, GE proposes to use nearby well GMA3-7 as a replacement for UB-PZ-1 and to install a new well GMA3-15 as a replacement for UB-PZ-2 for quarterly monitoring activities.

- As discussed in Section 4.6.4 of the Spring 2005 GMA 3 Baseline Report, elevated concentrations of trichloroethene and 1,2,4-trichlorobenzene were detected in an LNAPL sample collected from well 51-8. To assess the potential impact of those constituents in the LNAPL to nearby Building 51 via volatilization, GE proposed to collect a groundwater sample from well 51-8 for analysis of VOCs and five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene), and to compare the analytical results to the applicable MCP GW-2 standards. If groundwater concentrations of those analytes exceeded the GW-2 standards, GE proposed that it might derive site-specific values based on a commercial/industrial exposure scenario (e.g., reduced exposure frequency and duration), including development of site-specific attenuation factors that consider building parameters (e.g.,

building size, ventilation rates, etc), soil type, and groundwater depth. In addition, GE proposed to evaluate available NAPL-saturated soil data (i.e., residual phase samples) using the Johnson-Ettinger NAPL model (or other suitable model) for soils. Similar to the groundwater evaluation, the model would incorporate site-specific exposure assumptions that reflect commercial/industrial land use. If no suitable soil data is available from this area, GE proposed to install a soil boring near well 51-8 and collect NAPL-saturated soil samples for analysis of VOCs and SVOCs for use in the Johnson-Ettinger (or other suitable) model.

5.3 Summary of Proposed Interim Groundwater Quality Monitoring Program

As discussed above, GE has decided to propose initiation of an interim monitoring program at GMA 3. The following subsections discuss the proposed monitoring wells, analyses, and reporting for that interim monitoring program. A breakdown of the proposed interim sampling program is provided in Table 9, including the rationale for the inclusion or exclusion of the wells in this extended and modified baseline groundwater quality monitoring program. Locations of the wells to be included in the program are shown on Figure 9.

5.3.1 Proposed Interim Groundwater Quality Monitoring

Consistent with the approach used in designing the interim monitoring programs in place at all of the other GMAs within the Site, the proposed interim monitoring program for GMA 3 is designed to obtain additional data from locations where it is not yet clear whether the initial baseline groundwater quality results indicate that a well may require future assessment in a long-term monitoring program. To identify this subset of monitoring wells for interim monitoring, as at the other GMAs, evaluated the average constituent concentrations observed in the baseline data set at the wells where four baseline sampling events had been completed. Specifically, wells where the average concentration of a given constituent are only slightly above or below the MCP GW-2 or GW-3 Standard (i.e., greater than 50% of the applicable standard), were considered for interim monitoring. Wells that have shown recent increases in concentrations of certain constituents were also considered for interim monitoring to assess potential trends in the data. In addition, wells that have been sampled and analyzed on less than four occasions during the baseline monitoring program will continue to be sampled on a semi-annual basis under the baseline monitoring program protocols until the fourth round of sampling is completed. At that time an assessment will be made as to whether interim monitoring is appropriate at those locations and recommendations will be proposed for EPA approval. Finally, wells that have been sampled under GE's natural attenuation monitoring program will continue to be monitored for VOCs and the list of natural attenuation

parameters, regardless of prior analytical results. The natural attenuation monitoring program proposal is discussed in greater detail in Section 5.3.2.

The data evaluation discussed above showed that no exceedances or near exceedances of the applicable MCP GW-2 or GW-3 Performance Standards were observed in the vast majority of the GMA 3 monitoring wells that were monitored on at least four occasions during the baseline monitoring program. Exceedances or near exceedances that were observed were generally limited to VOCs in certain natural attenuation monitoring program wells that GE plans to continue to monitor for VOCs. In addition, chlorobenzene concentrations at well 78B-R have consistently exceeded the MCP GW-3 standard. As such, additional sampling at this location is proposed to be deferred pending proposal by GE of a long-term groundwater quality monitoring at this GMA. Therefore, no wells are proposed for interim monitoring based on the results of the evaluation of average constituent concentrations compared to the applicable Performance Standards. However, the following wells are proposed for inclusion in the interim monitoring program, based on other factors:

- GW-3 perimeter wells 54B-R, 82B-R, 95B-R, and 111B-R have each been sampled on less than four occasions during the baseline monitoring period and will continue to be sampled on a semi-annual basis for the baseline monitoring program analyte list until a fourth sample set is collected from each respective location. In addition, well 114B-R will be sampled and analyzed for PCBs in spring 2006 (in addition to VOCs and natural attenuation parameters, as discussed below) to complete the baseline data set at that location (as discussed in Section 3.2.3, a filtered PCB sample from this well was not analyzed in fall 2005).

- GW-3 perimeter well 6B-R is proposed to be sampled and analyzed for VOCs once each calendar year (alternating between spring and fall) to further evaluate an increase in total VOC concentrations observed in fall 2005;

- GW-2 sentinel well 16B-R and GW-3 perimeter wells 89B, 90B, 95B-R, 111B-R, and 114B-R are also included in GE's natural attenuation monitoring network. These wells will continue to be monitored for VOCs and natural attenuation parameters during the next natural attenuation monitoring event in spring 2006. As discussed above, wells 95B-R, 111B-R, and 114B-R will also be sampled for other parameters to complete their respective baseline sample sets. Future VOC monitoring at well 16B-R is proposed to include only the standard set of VOCs listed in GE's FSP/QAPP, omitting the five select compounds listed as SVOCs in the FSP/QAPP (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene) that have previously been added for GW-2 monitoring purposes. Those

SVOCs were either not detected at well 16B-R during the baseline monitoring program, or only detected at trace levels below the listed analytical detection limits (and several orders of magnitude below the applicable GW-2 standards) during certain monitoring events.

The complete list of wells proposed for interim monitoring in spring 2006 is provided in Table 9 and illustrated on Figure 9.

5.3.2 Natural Attenuation Monitoring

As discussed in Section 1.2.2 and shown on Figure 2, groundwater samples from 20 monitoring wells are currently collected on an annual basis (in the spring) for analysis of certain constituents (i.e., natural attenuation parameters) to assess intrinsic and natural processes that may be influencing VOC concentrations in groundwater, including several wells that were also included in the baseline monitoring program as GW-2 or GW-3 monitoring points.

GE plans to conduct the next round of natural attenuation sampling in spring 2006, in accordance with the current baseline monitoring program protocols, with the following proposed modifications:

- GE proposes to install and sample a replacement for well 39D (to be designated well 39D-R).

- GE proposes to add wells 115A and 115B to the natural attenuation monitoring network in spring 2006. As shown on Figure 9, this well cluster is located downgradient from the 114 well cluster which has recently contained increased levels of VOCs compared to prior analytical data.

- GE proposes to analyze the groundwater samples from wells 114A and 114B-R for two additional biodegradation end products, specifically 2-chlorophenol and 4-chlorophenol. Both of these SVOCs are breakdown products of chlorobenzene. GE currently analyzes for these compounds in natural attenuation monitoring wells 2A, 16A, 39B, 89A, 89B, 95A and 95B, which were previously selected for this additional monitoring because they are downgradient of the former waste stabilization basin and are within the area known to be impacted by chlorobenzene. The 114 well cluster is located downgradient of this group of wells and has shown an increase in chlorobenzene concentrations beginning in spring 2005. Since 2-chlorophenol is included within the Appendix IX list of SVOCs, this parameter is already tested for in

GW-3 perimeter well 114B-R. To complete the proposed assessment, 4-chlorophenol will be added to the analytical parameter list for this well.

As discussed above, wells that are also designated as GW-2 sentinel wells (16B-R) or GW-3 perimeter wells (89B, 90B, 95B-R, 111B-R, and 114B-R) will continue to be sampled for VOCs and natural attenuation parameters (at a minimum) during that sampling event. Following that sampling event and evaluation of the resulting data, GE may propose to modify the natural attenuation sampling locations, analyte list, or sampling schedule for future natural attenuation monitoring activities. Any proposed modifications will incorporate an updated evaluation (as described in Section 5.3.1 above) of the natural attenuation monitoring wells that also serve as GW-2 sentinel wells and GW-3 perimeter wells. Those wells may be proposed to be added to the interim groundwater quality monitoring program on the basis of that evaluation if they are not retained for natural attenuation monitoring purposes if the proposed natural attenuation monitoring schedule is less frequent than the annual schedule proposed for the interim groundwater quality monitoring program, or if otherwise appropriate.

5.3.3 Proposed Groundwater Quality-Related Notification Procedures

If an exceedance of a groundwater Upper Concentration Limit (UCL), as set forth in the MCP (310 CMR 40.0996(5)), is indicated in a groundwater sample during the interim groundwater monitoring program and such an exceedance was not previously observed and reported to EPA, GE will verbally notify EPA and MDEP within 14 days of obtaining knowledge of such results (followed by electronic submittal documenting the notification). GE will also provide the data and identify specifically each such exceedance in the next monthly progress report for overall work at the Site. Subsequent exceedances of a UCL for a given well will also be identified in the next monthly report. The monthly progress report for overall work at the Site will also identify any wells that were sampled, provide the preliminary analytical results, and specify any exceedances of applicable GW-2 or GW-3 standards.

5.3.4 Proposed Groundwater Quality Reporting Procedures

GE will provide the results of all water level measurements and preliminary groundwater analytical data in its monthly reports on overall activities at the GE-Pittsfield/Housatonic River Site. In addition, GE proposes to prepare annually a brief interim groundwater quality monitoring report summarizing the data collected. Each annual monitoring report will present the tabulated final validated analytical data from the most recent sampling event, including a comparison of those results to the Method 1 GW-2 or GW-3 standards at applicable well

locations. As discussed in Section 5.4 below, GE proposes to submit a separate series of semi-annual reports summarizing its groundwater elevation monitoring and NAPL monitoring/recovery activities.

If the sampling results for GW-2 compliance wells (well 16B-R is the only GW-2 well proposed to be included in the interim groundwater monitoring program at the present time) indicate: (1) an exceedance of the Method 1 GW-2 standards in a well in which such exceedance had not previously been found; or (2) the GW-2 standard has previously been exceeded and groundwater concentration is greater than or equal to 5 ppm total VOCs (if such an exceedance was not previously addressed), GE will propose appropriate interim response actions. These response actions may include: resampling of the groundwater; increasing the sampling frequency; additional well installation and sampling (taking into account the proximity of any known or any newly defined potential soil-related contaminant sources and/or potential preferential pathways); soil gas sampling; modeling of potential volatilization of chemicals from the groundwater to the indoor air of the nearby occupied buildings; sampling of the indoor air of such buildings; an evaluation of the potential risks related to volatilization to such indoor air; the development of a risk-based alternative GW-2 standard; and/or active response actions, including, but not limited to, containment, recovery, or treatment of impacted groundwater and/or NAPL.

For sampling results that indicate an exceedance of Method 1 GW-3 standards at downgradient perimeter monitoring wells or wells in which: (1) such exceedance had not previously been found; or (2) the Method 1 GW-3 standard has previously been exceeded and the groundwater concentration is greater than or equal to 100 times the GW-3 standard (if such exceedance was not previously addressed), GE will propose interim response actions, which may include: (a) further assessment activities such as resampling, increasing the sampling frequency, additional well installation and sampling (taking into account the proximity of any known or any newly defined potential soil-related contaminant sources and/or potential preferential pathways), and/or continuation of the baseline monitoring program; (b) active response actions, including, but not limited to, containment, recovery, or treatment of impacted groundwater; and/or (c) the conduct of a site-specific risk evaluation (taking into account the impacts on adjacent surface water, sediments, or biota) and the proposal of alternative risk-based GW-3 Performance Standards. Upon EPA approval, GE will implement the approved interim response actions.

In any annual interim groundwater quality monitoring report, GE may propose modifications to the monitoring frequency and specific wells to be monitored and/or the constituents to be analyzed for during future sampling rounds in the interim monitoring program. In addition, GE will evaluate the results of future pre-design soil or sediment investigations performed within the RAA that comprises GMA 3 to identify potential soil-related

impacts to groundwater. If any new potential soil sources are identified, GE will re-evaluate the available groundwater data relative to the area of interest and propose, if appropriate, modifications to the monitoring program (e.g., installation of new monitoring wells, sampling of existing wells, etc.) to assess the potential impact to groundwater. Upon EPA approval, GE will implement such modifications.

The interim groundwater quality monitoring reports for GMA 3 will also include an update to the estimated schedule for GE's submittal of a proposal(s) to EPA concerning long-term groundwater monitoring. Since the schedule for GE's long-term groundwater monitoring program proposal will be dependent on the status of soil-related Removal Actions at the RAA that comprises GMA 3, GE may propose to initiate long-term monitoring at portions of GMA 3 where Removal Actions have been completed, while continuing interim monitoring activities at other areas.

5.4 Proposed NAPL Monitoring Program Modifications

GE's previously-proposed modifications to the NAPL monitoring program were discussed in Section 5.2.4 above. Those proposals include:

- Implementation of the standard NAPL removal criteria at well GMA3-13, while retaining a weekly monitoring schedule;
- Decommissioning of piezometer UB-PZ-1, which will be replaced for quarterly monitoring purposes by well GMA3-7;
- Decommissioning of piezometer UB-PZ-2, which will be replaced for quarterly monitoring purposes by new well GMA3-15;
- Collection of a groundwater sample from well 51-8 for analysis of VOCs and five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene) and comparison of the analytical results to the applicable MCP GW-2 standards; and
- Evaluation of available or new NAPL-saturated soil data (i.e., residual phase samples) using the Johnson-Ettinger NAPL model (or other suitable model) for soils.

The only other proposed modifications to the NAPL monitoring program are to modify the monitoring frequency at certain wells, as discussed below.

GE proposes to reduce the monitoring frequency at all wells located outside the known LNAPL area at GMA 3 from the quarterly schedule utilized during the baseline monitoring program to a semi-annual schedule. Wells within or near the known LNAPL area will continue to be monitored according to their previously-approved weekly, monthly, or quarterly schedules. The results of quarterly monitoring performed during the baseline monitoring program have shown that groundwater flow patterns at GMA 3 have not varied significantly between seasons. Therefore, as at the other GMAs, GE proposes to limit comprehensive groundwater elevation data collection to the spring and fall seasons. Prior to each of these semi-annual events, GE will continue to monitor all wells where the presence of NAPL was noted during the prior year and will manually remove any recoverable quantities of NAPL observed prior to collecting monitoring round measurements.

6. Schedule of Future Activities

6.1 General

This section addresses the schedule for future groundwater quality monitoring activities and reporting for GMA 3. This schedule assumes that the extended and modified baseline groundwater quality monitoring program (interim groundwater monitoring program) proposed in Section 5 will be implemented commencing with the performance of additional sampling as proposed in spring 2006.

6.2 Field Activities Schedule

GE is currently preparing to conduct the well replacement activities discussed in Section 5.2.1 above and will attempt to install and develop new wells GMA3-15 and 39D-R in March 2006, assuming that EPA approval is obtained before that time, in order to allow the wells sufficient time to equilibrate prior to the fall monitoring round. In addition, GE will re-develop well 16C-R to address the elevated turbidity level encountered at this location in spring 2005. Finally, upon EPA approval of GE's proposal contained in Section 5.2.4, GE will collect a groundwater sample from well 51-8 and any necessary NAPL-saturated soil samples as described in that section.

GE has recently completed its quarterly water level monitoring round for winter 2005/2006 and will continue its routine weekly and monthly groundwater elevation and NAPL monitoring according to the current schedule approved by EPA until the modifications proposed in Section 5.4 are approved. In accordance with the approved semi-annual monitoring schedule, the spring 2006 groundwater elevation monitoring and sampling events are currently scheduled for April 2006. GE will conduct a NAPL bailing round approximately one to two weeks prior to the spring 2006 semi-annual groundwater elevation monitoring event.

Prior to performance of field activities, GE will provide EPA with 7 days advance notice to allow the assignment of field oversight personnel.

6.3 Reporting Schedule

GE will compile the results of the supplemental sampling at well 51-8, a comparison of the groundwater data to the MCP GW-2 standards, any proposed site-specific modification of the GW-2 standards, as well as the new or

prior NAPL-saturated soil sample data near Building 51, including the NAPL modeling results following completion of the associated proposed field and desktop modeling activities. Those results and an evaluation of the potential impact of constituents in the NAPL to air within Building 51 will be submitted to EPA within 90 days after receipt of EPA approval of GE's proposal to conduct those activities. That submission will include a proposal for further action, if any, based on the results of the evaluation.

GE will submit a Spring 2006 Groundwater Quality Monitoring and NAPL Monitoring Interim Report for GMA 3 by August 31, 2006, in accordance with the previously approved reporting schedule utilized during the baseline monitoring program. That report will also contain a proposal to modify the baseline monitoring activities at wells that are to be sampled for the fourth time in spring 2006 until such time that soil-related response actions at the Unkamet Brook RAA are completed and a long-term monitoring program can be implemented. GE will also provide the spring 2006 results related to its natural attenuation monitoring activities and any proposals to modify those activities, if applicable. Finally, that report will present the groundwater elevation monitoring results and NAPL monitoring and recovery data for the period of January 2006 through June 2006.

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

Tables

TABLE 1
MONITORING PROGRAM SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Fall 2005	Comments
2A	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
6B-R	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	
16A	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
16B-R	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-2 Sentinel/ Annual Sampling: Natural Attenuation	Yes	GW-2 Sampling Only (Natural Attenuation Sampling only conducted in spring rounds)
16C-R	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
39B-R	Quarterly	Annual	Natural Attenuation	Yes	Supplemental VOC Sampling Only (Natural Attenuation Sampling only conducted in spring rounds)
39D	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
39E	Quarterly	Annual	Natural Attenuation	No	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
43A	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
43B	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
50B	Quarterly	None	None - Groundwater Elevation Monitoring Only	Yes	
51-05	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-06	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-07	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-08	Weekly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-09	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-11	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	

TABLE 1
MONITORING PROGRAM SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Fall 2005	Comments
51-12	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-13	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-14	Monthly	Semi-Annual	GW-2 Sentinel	Yes	
51-15	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-16R	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-17	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-18	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-19	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
51-21	Quarterly	None	None - Groundwater Elevation/NAPL Monitoring & NAPL Recovery Only	Yes	LNAPL skimmer present in well.
54B-R	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	
59-01	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
59-03R	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
59-07	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
78B-R	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	
82B-R	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	
89A	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)

TABLE 1
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BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Fall 2005	Comments
89B	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	GW-3 Sampling Only (Natural Attenuation Sampling only conducted in spring rounds)
89D-R	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
90A	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
90B	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	GW-3 Sampling Only (Natural Attenuation Sampling only conducted in spring rounds)
95A	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
95B-R	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	GW-3 Sampling Only (Natural Attenuation Sampling only conducted in spring rounds)
111A-R	Quarterly	Annual	Natural Attenuation	Yes	Groundwater Elevation Monitoring Only During Fall (Samples only collected in spring rounds)
111B-R	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	GW-3 Sampling Only (Natural Attenuation Sampling only conducted in spring rounds)
114A	Quarterly	Annual	Natural Attenuation	Yes	Supplemental VOC Sampling Only (Natural Attenuation Sampling only conducted in spring rounds)
114B-R	Quarterly	Semi-Annual / Annual	Semi-Annual Sampling: GW-3 Perimeter/ Annual Sampling: Natural Attenuation	Yes	GW-3 Sampling Only (Natural Attenuation Sampling only conducted in spring rounds)
GMA3-1	Quarterly	Semi-Annual	GW-3 Perimeter	No	Installation of this well has been deferred until re-routing of Unkamet Brook is completed.
GMA3-2	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
GMA3-3	Quarterly	Semi-Annual	GW-3 Perimeter	Yes	
GMA3-4	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
GMA3-5	Quarterly	Semi-Annual	GW-2 Sentinel/ GW-3 Perimeter	Yes	
GMA3-6	Quarterly	Semi-Annual	GW-2 Sentinel/ GW-3 Source Area Sentinel	Yes	
GMA3-7	Quarterly	Semi-Annual	GW-2 Sentinel/ GW-3 Perimeter	Yes	

TABLE 1
MONITORING PROGRAM SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Frequency	Sampling Frequency	Well Designation / Analytical Category	Well Utilized in Fall 2005	Comments
GMA3-8	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
GMA3-9	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
GMA3-10	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
GMA3-11	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
GMA3-12	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
GMA3-13	Weekly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
GMA3-14	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
OBG-2	Quarterly	Semi-Annual	GW-2 Sentinel	Yes	
UB-MW-10	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
UB-PZ-1	Quarterly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
UB-PZ-2	Quarterly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	
UB-PZ-3	Monthly	None	None - Groundwater Elevation/NAPL Monitoring Only	Yes	

Notes:

1. Monitoring consists of periodic depth to water and NAPL thickness measurements, if present. LNAPL is manually removed from a well if a thickness of greater than 0.25 feet is observed during a monitoring event (except at well 51-21, which is equipped with an automated skimmer).
2. Sampling consists of semi-annual or annual sampling and analysis. Analytical parameters based on well designation (i.e., GW-2 Sentinel, GW-3 Perimeter, GW-3 Source Area Sentinel, &/or Natural Attenuation).

TABLE 2
MONITORING WELL CONSTRUCTION SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft bgs)	Screen Length (ft)	Top of Screen Elevation (ft AMSL)	Base of Screen Elevation (ft AMSL)	Average Depth to Groundwater (ft bgs)	Average Groundwater Elevation (ft AMSL)
	Northing	Easting									
2A	537005.10	138853.90	1.00	991.50	994.16	45.00	5.00	946.50	941.50	5.5	986.00
6B-R	537191.50	138910.00	2.00	991.40	993.62	2.00	10.00	989.40	979.40	4.8	986.60
16A	536730.50	139115.60	2.00	991.50	991.77	44.00	6.00	947.50	941.50	7.0	984.46
16B-R	536738.18	139076.37	2.00	991.80	994.87	3.08	10.00	988.72	978.72	6.1	985.65
16C-R	536734.00	139112.40	2.00	991.40	991.47	90.00	10.00	901.40	891.40	7.9	983.54
39B-R	536938.60	138862.60	2.00	992.29	991.97	4.00	10.00	988.29	978.29	6.3	985.98
39D	536948.40	138857.90	4.00	992.34	992.16	56.00	10.00	936.34	926.34	6.4	985.96
39E	536932.10	138851.00	4.00	992.34	992.21	225.00	10.00	767.34	757.34	6.0	986.38
43A	538081.20	137905.90	1.00	991.90	993.79	45.00	5.00	946.90	941.90	5.1	986.78
43B	538081.20	137904.40	1.00	991.90	993.61	15.00	5.00	976.90	971.90	4.3	987.63
50B	538647.00	139106.20	2.00	989.72	991.72	8.50	5.00	981.22	976.22	1.1	988.63
51-05	536750.50	138335.60	2.00	996.91	996.44	5.00	10.00	991.91	981.91	10.6	986.35
51-06	536937.64	138194.32	2.00	997.57	997.36	5.00	10.00	992.57	982.57	11.0	986.58
51-07	536843.80	138244.60	2.00	997.26	997.08	5.00	10.00	992.26	982.26	10.6	986.62
51-08	536677.80	138317.00	2.00	997.39	997.08	5.00	10.00	992.39	982.39	11.3	986.07
51-09	536563.70	138370.30	2.00	997.76	997.70	5.00	10.00	992.76	982.76	10.1	987.67
51-11	536860.00	138774.50	2.00	994.62	994.37	5.00	10.00	989.62	979.62	8.6	986.06
51-12	536497.30	138518.50	2.00	996.83	996.55	5.00	10.00	991.83	981.83	7.6	989.28
51-13	536917.10	138579.80	2.00	997.68	997.65	5.00	10.00	992.68	982.68	10.3	987.37
51-14	536771.40	138502.60	2.00	996.93	996.77	5.00	10.00	991.93	981.93	10.7	986.19
51-15	536808.20	138306.30	2.00	996.68	996.43	5.00	10.00	991.68	981.68	10.4	986.23
51-16R	536830.20	138347.60	2.00	996.70	996.39	5.00	10.00	991.70	981.70	10.2	986.51
51-17	536769.90	138377.40	2.00	996.48	996.43	5.00	10.00	991.48	981.48	10.1	986.34
51-18	536902.90	138463.40	2.00	997.38	997.12	5.00	10.00	992.38	982.38	11.1	986.28
51-19	536823.20	138414.80	2.00	996.65	996.43	5.00	10.00	991.65	981.65	10.5	986.12
51-21	536767.70	138442.35	4.00	996.70*	1,001.49	5.00	10.00	991.70	981.70	10.5	986.17
54B-R	537827.30	139113.60	2.00	989.00	991.49	3.00	10.00	986.00	976.00	2.5	986.52
59-01	536488.80	138238.60	2.00	997.78	996.72	4.00	20.00	993.78	973.78	10.9	986.88
59-03R	536501.00	138260.70	2.00	997.82	997.64	7.30	10.00	990.52	980.52	11.6	986.23

TABLE 2
MONITORING WELL CONSTRUCTION SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft bgs)	Screen Length (ft)	Top of Screen Elevation (ft AMSL)	Base of Screen Elevation (ft AMSL)	Average Depth to Groundwater (ft bgs)	Average Groundwater Elevation (ft AMSL)
	Northing	Easting									
59-07	536517.40	138296.10	2.00	998.27	997.96	4.00	20.00	994.27	974.27	11.9	986.32
78B-R	537551.80	138716.50	2.00	989.11	988.83	1.82	10.00	987.29	977.29	1.8	987.28
82B-R	536937.40	139621.60	2.00	987.80	989.90	2.00	10.00	985.80	975.80	2.7	985.09
89A	536030.80	139413.40	1.00	983.60	985.76	43.00	5.00	940.60	935.60	1.4	982.18
89B	536031.60	139411.70	2.00	983.10	986.03	4.00	3.00	979.10	976.10	0.2	982.91
89D-R	536072.20	139434.90	2.00	984.40	987.11	67.50	10.00	916.90	906.90	2.6	981.82
90A	536254.90	139765.40	1.00	986.50	988.07	45.00	5.00	941.50	936.50	3.9	982.60
90B	536251.60	139761.00	2.00	986.50	989.10	8.00	3.00	978.50	975.50	4.3	982.19
95A	535822.10	139769.60	1.00	985.30	987.18	45.00	5.00	940.30	935.30	4.5	980.76
95B-R	535637.20	139722.30	2.00	984.30	986.24	3.00	10.00	981.30	971.30	3.7	980.56
111A-R	535824.10	139087.80	2.00	995.10	997.35	40.00	10.00	955.10	945.10	10.9	984.16
111B-R	535828.40	139092.00	2.00	994.80	997.48	7.18	10.00	987.62	977.62	11.4	983.41
114A	535499.50	139775.20	1.00	983.20	986.16	45.00	5.00	938.20	933.20	3.4	979.83
114B-R	535503.90	139786.90	2.00	983.50	985.54	4.00	10.00	979.50	969.50	4.2	979.27
GMA3-2	536596.40	138956.60	2.00	992.25	991.94	5.19	10.00	987.06	977.06	7.7	984.53
GMA3-3	538094.20	138178.20	2.00	990.86	990.45	2.00	10.00	988.86	978.86	2.2	988.67
GMA3-4	537044.70	138021.80	2.00	994.94	994.60	3.57	10.00	991.37	981.37	7.3	987.61
GMA3-5	537323.20	139766.90	2.00	991.50	993.67	4.00	10.00	987.50	977.50	5.5	985.97
GMA3-6	537021.50	138342.30	2.00	997.74	997.49	8.00	10.00	989.74	979.74	11.1	986.69
GMA3-7	536291.70	138397.40	2.00	1000.45	1000.17	10.00	10.00	990.45	980.45	13.4	987.04
GMA3-8	536339.60	138899.10	2.00	994.50	996.24	5.00	10.00	989.50	979.50	7.9	986.65
GMA3-9	537383.20	138385.60	2.00	992.90	992.39	3.00	10.00	989.90	979.90	5.18	987.72
GMA3-10	536659.10	138056.40	2.00	997.78	997.54	9.00	10.00	988.78	978.78	10.78	987.00
GMA3-11	536353.70	138147.90	2.00	997.78	997.25	9.00	10.00	988.78	978.78	10.51	987.27
GMA3-12	536469.20	138169.70	4.00	998.04	997.84	7.00	15.00	991.04	976.04	11.17	986.87
GMA3-13	536534.30	138035.90	2.00	998.00	997.73	8.06	10.00	989.94	979.94	11.14	986.86
GMA3-14	536710.30	137953.20	2.00	997.66	997.42	7.25	10.00	990.41	980.41	10.88	986.78
GMA4-3	536289.60	137999.80	2.00	1,004.14	1,003.95	16.09	10.00	988.05	978.05	17.62	986.52
OBG-2	537209.10	139475.80	3.00	992.24	992.20	3.00	11.40	989.24	977.84	5.32	986.92

TABLE 2
MONITORING WELL CONSTRUCTION SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft bgs)	Screen Length (ft)	Top of Screen Elevation (ft AMSL)	Base of Screen Elevation (ft AMSL)	Average Depth to Groundwater (ft bgs)	Average Groundwater Elevation (ft AMSL)
	Northing	Easting									
UB-MW-10	536908.10	138278.30	1.00	996.21	995.99	8.00	10.00	988.21	978.21	9.86	986.35
UB-PZ-1	536336.80	138383.90	1.00	999.00	999.70	9.00	5.00	990.00	985.00	12.23	986.77
UB-PZ-2	536726.10	138735.70	1.00	994.40	994.77	4.00	10.00	990.40	980.40	9.17	985.23
UB-PZ-3	536480.10	138110.00	1.00	998.55	998.15	11.00	5.00	987.55	982.55	12.30	986.25

NOTES:
1. The listed wells were scheduled to be utilized during fall 2005 for baseline groundwater quality sampling or groundwater elevation monitoring

TABLE 3A
GROUNDWATER ELEVATION DATA - SUMMER 2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Summer Groundwater Elevation (ft AMSL)	Summer 2005 Groundwater Elevation (ft AMSL)	Summer 2005 LNAPL Thickness (ft)
Monitoring Wells Screened at Water Table				
6B-R	986.60	985.91	986.17	0.00
16B-R	985.65	985.09	985.44	0.00
39B-R	985.98	985.27	985.22	0.00
43B	987.63	987.12	987.51	0.00
50B	988.63	987.98	987.96	0.00
54B-R	988.63	986.10	987.09	0.00
51-05	986.52	986.31	985.91	0.12
51-06	986.35	986.46	986.40	0.00
51-07	986.62	986.32	986.20	0.00
51-08	986.07	985.84	985.87	1.42
51-09	987.67	987.42	986.87	0.00
51-11	986.06	985.78	985.72	0.00
51-12	989.28	989.12	989.15	0.00
51-13	987.37	987.08	<987.40	N/A
51-14	986.19	985.98	985.87	0.00
51-15	986.23	986.11	986.10	0.16
51-16R	986.51	986.14	986.07	0.30
51-18	986.28	986.08	986.09	0.00
51-19	986.12	986.00	985.94	0.96
51-21	986.17	986.05	985.86	0.02
59-01	986.88	986.95	<986.17	N/A
59-03R	986.23	986.16	986.17	0.95
59-07	986.32	986.24	986.18	0.00
78B-R	987.28	987.02	987.48	0.00
82B-R	985.09	983.77	983.65	0.00
89B	982.91	982.68	982.48	0.00
90B	982.19	981.25	981.25	0.00
95B-R	980.56	981.28	980.23	0.00
111B-R	983.41	982.98	982.98	0.00
114B-R	979.27	979.20	979.34	0.00
GMA3-2	984.53	983.65	983.99	0.00
GMA3-3	988.67	988.06	988.15	0.00
GMA3-4	987.61	987.22	987.25	0.00
GMA3-5	985.97	984.22	984.02	0.00
GMA3-7	987.64	986.08	986.02	0.00
GMA3-8	986.65	985.54	985.54	0.00

TABLE 3A
GROUNDWATER ELEVATION DATA - SUMMER 2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Summer Groundwater Elevation (ft AMSL)	Summer 2005 Groundwater Elevation (ft AMSL)	Summer 2005 LNAPL Thickness (ft)
GMA3-9	987.72	986.99	986.94	0.00
GMA3-10	987.00	986.27	986.07	0.76
GMA3-11	987.27	986.59	986.40	0.00
GMA3-12	986.87	986.22	986.17	0.38
GMA3-13	986.86	985.92	985.92	0.00
GMA3-14	986.78	986.37	986.37	0.00
GMA4-3	986.52	986.02	986.34	0.00
OBG-2	986.92	986.31	986.06	0.00
UB-MW-10	986.35	986.24	986.69	0.00
UB-PZ-3	986.25	986.20	986.06	0.36
Monitoring Wells Screened Below Water Table				
2A	986.00	985.35	985.46	0.00
16A	984.46	983.95	984.09	0.00
16C-R	983.54	983.54	984.68	0.00
39E	986.38	985.27	986.06	0.00
43A	986.78	986.25	987.77	0.00
89A	982.18	982.76	982.56	0.00
89D-R	981.82	982.81	982.61	0.00
90A	982.60	981.97	981.97	0.00
95A	980.76	980.41	980.38	0.00
111A-R	984.16	983.77	983.37	0.00
114A	979.83	978.87	979.84	0.00
GMA 3 Staff Gauges				
GMA3-SG-2			978.09	N/A
GMA3-SG-3			987.32	N/A

NOTES:

1. Groundwater elevation/NAPL thickness data collected on July 20-28, 2005.
2. ft AMSL - Feet Above Mean Sea Level
3. Groundwater elevations denoted <## indicate that the well was dry on the date measured and the referenced elevation represents the base of well elevation.
4. Average groundwater elevations based on available seasonal groundwater elevation data since 2000.
5. NA - Data not available
6. Wells 39D, 51-17, GMA3-6, UB-PZ-1, and UB-PZ-2, as well as surface water staff gauges GMA3-SG-1 and GMA3-SG-4, were unable to be measured in July 2005. These wells/gauges were either inaccessible or destroyed.

TABLE 3B
GROUNDWATER ELEVATION DATA - FALL 2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Fall Groundwater Elevation (ft AMSL)	Fall 2005 Groundwater Elevation (ft AMSL)	Fall 2005 LNAPL Thickness (ft)
Monitoring Wells Screened at Water Table				
6B-R	986.60	986.44	988.92	0.00
16B-R	985.65	985.85	986.45	0.00
39B-R	985.98	986.32	986.92	0.00
43B	987.63	988.09	988.57	0.00
50B	988.63	988.86	990.01	0.00
51-05	986.35	986.40	987.17	0.30
51-06	986.58	986.34	987.73	0.00
51-07	986.62	986.91	989.94	0.00
51-08	986.07	985.70	987.00	1.45
51-09	987.67	987.13	987.69	0.01
51-11	986.06	985.85	988.21	0.00
51-12	989.28	989.10	989.37	0.00
51-13	987.37	987.40	987.40	0.00
51-14	986.19	986.21	987.22	0.00
51-15	986.23	985.98	987.22	0.23
51-16R	986.51	986.46	987.10	0.00
51-17	986.34	986.06	987.40	0.08
51-18	986.28	986.29	987.45	0.00
51-19	986.12	985.83	987.20	0.43
51-21	986.17	986.04	987.29	<0.01
54B-R	986.52	986.27	987.25	0.00
59-01	986.88	986.56	987.02	0.05
59-03R	986.23	985.98	987.07	0.35
59-07	986.32	986.11	987.18	1.14
78B-R	987.28	987.59	987.31	0.00
82B-R	985.09	985.00	986.27	0.00
89B	982.91	982.98	983.77	0.00
90B	982.19	983.00	983.56	0.00
95B-R	980.56	979.83	979.13	0.00
111B-R	983.41	983.81	985.08	0.00
114B-R	979.27	979.59	980.27	0.00
GMA3-2	984.53	985.01	986.11	0.00
GMA3-3	988.67	989.25	990.20	0.00
GMA3-4	987.61	987.73	988.40	0.00
GMA3-5	985.97	986.37	987.43	0.00
GMA3-6	986.69	986.82	987.45	0.00
GMA3-7	987.04	986.88	987.49	0.00
GMA3-8	986.65	986.74	987.13	0.00

TABLE 3B
GROUNDWATER ELEVATION DATA - FALL 2005
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Overall Average Groundwater Elevation (ft AMSL)	Average Fall Groundwater Elevation (ft AMSL)	Fall 2005 Groundwater Elevation (ft AMSL)	Fall 2005 LNAPL Thickness (ft)
GMA3-9	987.72	988.06	988.49	0.00
GMA3-10	987.00	986.96	987.11	0.08
GMA3-11	987.27	987.28	987.40	0.00
GMA3-12	986.87	986.91	987.07	0.28
GMA3-13	986.86	987.11	987.11	0.00
GMA3-14	986.78	986.31	986.31	0.00
GMA4-3	986.52	986.53	987.07	0.00
OBG-2	986.92	987.09	988.14	0.00
UB-MW-10	986.35	986.17	985.53	0.00
UB-PZ-3	986.25	986.08	987.00	0.00
Monitoring Wells Screened Below Water Table				
2A	986.00	986.26	987.31	0.00
16A	984.46	984.71	985.35	0.00
16C-R	983.54	984.78	986.53	0.00
39E	986.38	986.56	987.56	0.00
43A	986.78	988.14	989.09	0.00
89A	982.18	983.31	983.81	0.00
89D-R	981.82	983.64	983.93	0.00
90A	982.60	983.30	983.71	0.00
95A	980.76	981.18	981.48	0.00
111A-R	984.16	984.98	985.63	0.00
114A	979.83	979.59	980.94	0.00
GMA 3 Staff Gauges				
GMA3-SG-2			979.81	N/A
GMA3-SG-3			988.21	N/A
GMA3-SG-4			986.42	N/A

NOTES:

1. Groundwater elevation/NAPL thickness data collected between October 26, 2005 and November 8, 2005.
2. ft AMSL - Feet Above Mean Sea Level
3. Groundwater elevations denoted <## indicate that the well was dry on the date measured and the referenced elevation represents the base of well elevation.
4. Average groundwater elevations based on available seasonal groundwater elevation data since 2000.
5. Wells 39D, UB-PZ-1, and UB-PZ-2, as well as surface water staff gauge GMA3-SG-1 was unable to be measured in October 2005. The wells were destroyed and the gauge was not located.

TABLE 4
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			LNAPL Recovery [6]	
			Minimum (Feet BMP)	Maximum (Feet BMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Liters)	LNAPL Recovery (Gallons)
GMA3 Monitoring Wells									
2A	2	994.16	6.85	8.70	0	--	--	0.00	0.00
6B-R	3	993.62	4.70	7.45	0	--	--	0.00	0.00
16A	3	991.77	6.39	7.68	0	--	--	0.00	0.00
16B-R	4	994.87	5.88	9.43	0	--	--	0.00	0.00
16C-R	4	991.47	6.70	9.16	0	--	--	0.00	0.00
39B-R	3	991.97	5.05	6.75	0	--	--	0.00	0.00
39D	0	992.16	Destroyed	--	--	--	--	--	--
39E	2	992.21	4.65	6.15	0	--	--	0.00	0.00
43A	2	993.79	4.70	6.02	0	--	--	0.00	0.00
43B	2	993.61	5.04	6.10	0	--	--	0.00	0.00
50B	2	991.76	1.75	3.80	0	--	--	0.00	0.00
51-05	6	996.44	9.55	12.10	6	0.03	0.92	0.716	0.19
51-06	6	997.36	9.63	11.83	0	--	--	0.00	0.00
51-07	4	997.08	7.14	11.24	0	--	--	0.00	0.00
51-08	25	997.08	10.05	13.45	25	0.05	1.91	12.719	3.36
51-09	6	997.70	10.00	13.20	2	0.01	1.46	0.90	0.24
51-11	6	994.37	6.16	9.8	0	--	--	0.00	0.00
51-12	6	996.55	7.04	8.00	0	--	--	0.00	0.00
51-13	5	997.42	10.02	10.04	0	--	--	0.00	0.00
51-14	7	996.77	9.55	11.90	0	--	--	0.00	0.00

TABLE 4
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			LNAPL Recovery [6]	
			Minimum (Feet BMP)	Maximum (Feet BMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Liters)	LNAPL Recovery (Gallons)
51-15	6	996.43	9.42	12.20	6	0.08	0.92	0.858	0.23
51-16R	6	996.39	9.29	12.05	4	0.02	0.79	1.486	0.39
51-17	4	996.43	9.10	10.80	4	0.05	1.32	0.814	0.22
51-18	6	997.12	9.67	12.01	0	--	--	0.000	0.00
51-19	6	996.43	9.63	12.40	6	0.27	1.30	2.178	0.58
51-21	26	1001.49	14.20	17.60	25	<0.01	1.22	571.911	151.08
54B-R	3	991.49	4.20	4.40	0	--	--	0.000	0.00
59-01	5	997.52	10.46	11.40 (dry)	3	0.01	0.05	0.000	0.00
59-03R	6	997.64	10.90	13.55	6	0.35	1.01	2.331	0.62
59-07	7	997.96	10.00	13.45	5	0.02	1.14	1.018	0.27
78B-R	4	988.83	0.60	2.98	0	--	--	0.000	0.00
82B-R	2	989.90	3.63	6.25	0	--	--	0.000	0.00
89A	2	985.76	1.95	3.20	0	--	--	0.000	0.00
89B	2	986.03	2.26	3.55	0	--	--	0.000	0.00
89D-R	2	987.11	3.18	4.50	0	--	--	0.000	0.00
90A	2	988.07	4.36	6.10	0	--	--	0.000	0.00
90B	3	989.10	5.48	7.85	0	--	--	0.000	0.00
95A	2	987.18	5.70	6.80	0	--	--	0.000	0.00
95B-R	3	986.24	4.84	7.11	0	--	--	0.000	0.00
111A-R	2	997.35	11.72	13.98	0	--	--	0.000	0.00
111B-R	3	997.48	12.40	14.50	0	--	--	0.000	0.00

TABLE 4
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			LNAPL Recovery [6]	
			Minimum (Feet BMP)	Maximum (Feet BMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Liters)	LNAPL Recovery (Gallons)
114A	3	986.16	5.08	6.32	0	--	--	0.000	0.00
114B-R	3	985.54	5.20	6.20	0	--	--	0.000	0.00
GMA3-2	3	991.94	5.83	7.95	0	--	--	0.000	0.00
GMA3-3	3	990.45	0.25	2.30	0	--	--	0.000	0.00
GMA3-4	3	994.60	6.18	7.35	0	--	--	0.000	0.00
GMA3-5	4	993.67	6.24	9.65	0	--	--	0.000	0.00
GMA3-6	1	997.49	10.04	10.04	0	--	--	0.000	0.000
GMA3-7	3	1000.17	12.68	14.15	0	--	--	0.000	0.00
GMA3-8	3	996.24	9.11	10.70	0	--	--	0.000	0.00
GMA3-9	3	992.39	3.90	5.45	0	--	--	0.000	0.00
GMA3-10	26	997.54	10.28	13.23	24	0.07	0.84	6.002	1.59
GMA3-11	5	997.25	9.85	11.85	0	--	--	0.000	0.00
GMA3-12	26	997.84	10.46	13.60	26	0.07	0.09	18.795	4.97
GMA3-13	26	997.73	10.62	12.84	13	0.01	0.77	3.569	0.94
GMA3-14	6	997.42	10.03	11.66	0	--	--	0.000	0.00
OBG-2	5	992.20	4.06	7.39	0	--	--	0.000	0.00
UB-MW-10	5	995.99	0.68	10.85	0	--	--	0.000	0.00
UB-PZ-1	0	999.70	Obstructed	--	--	--	--	--	--
UB-PZ-2	0	994.77	Destroyed	--	--	--	--	--	--
UB-PZ-3	6	998.15	11.31	13.10	6	0.07	0.36	0.249	0.07

TABLE 4
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA SUMMARY

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Number of Measurements	Measuring Point Elevation (Feet AMSL)	Depth to Water		LNAPL Observations			LNAPL Recovery [6]	
			Minimum (Feet BMP)	Maximum (Feet BMP)	Times Observed	Minimum Thickness (Feet)	Maximum Thickness (Feet)	LNAPL Recovery (Liters)	LNAPL Recovery (Gallons)
GMA4 Monitoring Well (Adjacent to GMA3)									
GMA4-3	6	1,003.95	16.75	18.75	0	--	--	0.000	0.00

Total amount of LNAPL Recovered - July 2005 through December 2005: 623.55 liters
164.73 gallons

NOTES

1. --- indicates LNAPL was not present in a measurable quantity
2. NA indicates information not available.
3. DRY - Indicates that groundwater was not present in the well at the time measurements were conducted.
4. ft BMP = Feet Below Measuring Point
5. ft AMSL = Feet Above Mean Sea Level
6. LNAPL was recovered via an automated skimmer at well 51-21 and was manually removed from the remaining wells.

TABLE 5
FIELD PARAMETER MEASUREMENTS - FALL 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Turbidity (NTU)	Temperature (degrees Celsius)	pH (standard units)	Specific Conductivity (mS/cm)	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
6B-R	4.0	13.97	7.82	0.663	-142.3	0.44
16B-R	10.0	15.00	7.79	2.282	-120.2	0.41
39B-R	1.0	15.41	7.09	0.970	58.7	3.55
51-14	1.0	16.64	7.38	0.322	27.7	0.90
54B-R	17.0	10.31	6.61	0.889	-88.8	1.24
78B-R	6.0	16.05	7.16	2.954	-161.2	0.27
82B-R	20.0	11.25	6.15	0.686	-49.5	1.74
89B	8.0	11.18	6.67	0.805	-79.3	1.33
90B	4.0	10.42	5.81	0.296	-9.5	3.11
95B-R	2.0	12.83	6.92	0.711	-80.0	1.93
111B-R	5.8	12.24	7.21	0.887	301.4	8.42
114A	27.0	7.44	8.20	0.167	-186.5	0.57
114B-R	13.0	9.40	7.07	0.965	131.0	1.96
GMA3-2	16.0	16.90	7.25	13.980	-149.7	0.44
GMA3-3	8.0	17.50	7.20	1.713	-145.5	0.27
GMA3-4	10.0	18.75	7.89	0.526	-2.6	8.53
GMA3-5	5.0	15.69	6.77	0.486	-10.1	1.39
GMA3-6	20.0	15.24	17.42	1.322	-61.6	0.32
GMA3-7	2.0	15.17	6.77	0.733	107.9	4.57

TABLE 5
FIELD PARAMETER MEASUREMENTS - FALL 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Turbidity (NTU)	Temperature (degrees Celsius)	pH (standard units)	Specific Conductivity (mS/cm)	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
GMA3-8	3.0	15.34	7.12	0.882	-122.4	0.49
GMA3-9	9.0	14.95	6.97	0.751	-105.2	0.35
OBG-2	124.0	19.53	7.09	0.781	-88.0	2.68

Notes:

1. Measurements collected during fall 2005 GMA 3 baseline monitoring program sampling activities conducted between October 18 and December 8, 2005.
2. Well parameters were generally monitored continuously during purging by low-flow techniques. Final parameter readings are presented.
3. NTU - Nephelometric Turbidity Units
4. mS/cm - Millisiemens per centimeter
5. mV - Millivolts
6. mg/L - Milligrams per liter (ppm)

TABLE 6
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-2 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-2 Standards	16B-R 10/20/05	51-14 10/20/05	GMA3-2 10/18/05	GMA3-4 10/19/05	GMA3-5 10/18/05
Volatile Organics						
Benzene	2	ND(0.0050)	ND(0.0050)	0.012	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	0.02	ND(0.0050)	0.0012 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	0.4	ND(0.0050)	0.011	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	3	ND(0.0020)	ND(0.0020)	ND(0.0020) J	ND(0.0020)	ND(0.0020)
Toluene	6	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	0.002	0.0015 J	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	5	0.0015 J	0.012 J	0.012	ND(0.20)	ND(0.20)
Semivolatile Organics						
1,3-Dichlorobenzene	10	0.0010 J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.010)
1,4-Dichlorobenzene	30	0.0025 J	ND(0.0050)	0.0016 J	ND(0.0050)	ND(0.010)
2-Nitrophenol	Not Listed	NA	NA	NA	NA	ND(0.010)
Phenol	50	NA	NA	NA	NA	ND(0.010)

Parameter / Sample ID: / Date Collected:	Method 1 GW-2 Standards	GMA3-6 10/21/05	GMA3-7 10/19/05	GMA3-8 10/18/05	GMA3-9 10/18/05	OBG-2 10/19/05
Volatile Organics						
Benzene	2	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0025 J
Carbon Tetrachloride	0.02	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chloroform	0.4	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Tetrachloroethene	3	0.0025	ND(0.0020)	ND(0.0020) J [ND(0.0020) J]	ND(0.0020) J	ND(0.0020)
Toluene	6	0.0024 J	0.0015 J	ND(0.0050) [ND(0.0050)]	0.0012 J	0.0016 J
Vinyl Chloride	0.002	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	0.0015 J
Total VOCs	5	0.0049 J	0.0015 J	ND(0.20) [ND(0.20)]	0.0012 J	0.0056 J
Semivolatile Organics						
1,3-Dichlorobenzene	10	ND(0.010)	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,4-Dichlorobenzene	30	ND(0.010)	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Nitrophenol	Not Listed	0.0072 J	ND(0.010)	NA	NA	NA
Phenol	50	0.011	ND(0.010)	NA	NA	NA

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to SGS Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. Only volatile and semivolatile analysis is presented for the MCP Method 1 GW-2 Standards Comparison.
4. NA - Not Analyzed.
5. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
6. Field duplicate sample results are presented in brackets.
7. Only volatile and semivolatile constituents detected in at least one sample are summarized.

Data Qualifiers:

Organics (volatiles, semivolatiles)
J - Indicates that the associated numerical value is an estimated concentration.

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	6B-R 10/20/05	54B-R 11/10/05	78B-R 10/20/05
Volatile Organics				
1,1-Dichloroethane	50	ND(0.050)	ND(0.0050)	ND(0.10)
Benzene	7	6.9	ND(0.0050)	1.8
Chlorobenzene	0.5	3.3	ND(0.0050)	2.3
Tetrachloroethene	5	ND(0.050)	ND(0.0020)	ND(0.10)
Toluene	50	0.064	ND(0.0050)	ND(0.10)
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	0.00034	0.00010	ND(0.000065)
Total PCBs	Not Applicable	0.00034	0.00010	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	Not Listed	0.00011	0.000056 J	ND(0.000065)
Total PCBs	0.0003	0.00011	0.000056 J	ND(0.000065)
Semivolatile Organics				
1,2-Dichlorobenzene	8	0.0030 J	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	8	ND(0.010)	ND(0.010)	0.0021 J
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	ND(0.010) J	0.0021 J
1,4-Dichlorobenzene	8	0.036	ND(0.010) J	0.011
2-Chlorophenol	40	0.0014 J	R	0.0042 J
2-Methylnaphthalene	3	ND(0.010)	ND(0.010)	0.020
2-Nitrophenol	Not Listed	ND(0.010)	R	ND(0.010)
Acenaphthene	5	0.0085 J	ND(0.010) J	0.014
Anthracene	3	ND(0.010)	ND(0.010)	0.0026 J
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010)	0.012
Fluoranthene	0.2	ND(0.010)	ND(0.010)	0.0018 J
Fluorene	3	ND(0.010)	ND(0.010)	0.012
Hexachlorobutadiene	0.09	ND(0.050)	ND(0.0010)	ND(0.10)
Naphthalene	6	0.022	ND(0.010)	0.020
Phenanthrene	0.05	ND(0.010)	ND(0.010)	0.017
Phenol	30	0.084	R	0.0083 J
Pyrene	3	ND(0.010)	ND(0.010)	0.0016 J
Organochlorine Pesticides				
None Detected	--	--	--	--
Organophosphate Pesticides				
None Detected	--	--	--	--
Herbicides				
None Detected	--	--	--	--
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000041)	ND(0.0000000026)	ND(0.0000000058)
TCDFs (total)	Not Listed	ND(0.0000000041)	ND(0.0000000026)	0.000000086
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000049)	ND(0.0000000057) X	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000049)	0.0000000055 J	ND(0.0000000050)
PeCDFs (total)	Not Listed	ND(0.0000000049)	ND(0.000000011)	0.000000018 J
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000049)	0.0000000081 J	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000049)	0.0000000057 J	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000049)	0.0000000054 J	ND(0.0000000050)
HxCDFs (total)	Not Listed	ND(0.0000000049)	0.000000019 J	0.0000000080 J
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000049)	0.0000000065 J	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000049)	0.0000000065 J	ND(0.0000000050)
OCDF	Not Listed	ND(0.0000000099)	0.000000010 J	ND(0.0000000099)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	6B-R 10/20/05	54B-R 11/10/05	78B-R 10/20/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000030)	ND(0.0000000031)	ND(0.0000000025)
TCDDs (total)	Not Listed	ND(0.0000000030)	ND(0.0000000031)	ND(0.0000000025)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000049)	ND(0.0000000065)	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000049)	ND(0.0000000065)	ND(0.0000000050)
OCDD	Not Listed	ND(0.00000011)	ND(0.000000046)	ND(0.000000034)
Total TEQs (WHO TEFs)	0.0000001	0.0000000073	0.000000010	0.0000000072
Inorganics-Unfiltered				
Antimony	Not Applicable	ND(0.0600)	ND(0.0600)	0.00820 B
Arsenic	Not Applicable	0.00440 B	0.0140	ND(0.0100)
Barium	Not Applicable	0.0450 B	0.210 J	2.40
Beryllium	Not Applicable	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	Not Applicable	0.000530 B	0.00150 B	0.000720 B
Chromium	Not Applicable	0.00160 B	0.00560 B	ND(0.0100)
Cobalt	Not Applicable	ND(0.0500)	0.00290 B	ND(0.0500)
Copper	Not Applicable	0.0150 B	0.00700 J	0.00160 B
Cyanide	Not Applicable	0.00120 B	0.0110	0.00180 B
Lead	Not Applicable	ND(0.0033)	ND(0.0030)	0.00570
Nickel	Not Applicable	ND(0.040)	ND(0.040)	0.0200 B
Selenium	Not Applicable	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	Not Applicable	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	Not Applicable	ND(5.00)	ND(5.0)	ND(5.00)
Vanadium	Not Applicable	0.00530 B	0.00720 B	0.00270 B
Zinc	Not Applicable	0.0110 B	ND(0.020)	ND(0.0200)
Inorganics-Filtered				
Antimony	0.3	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	0.4	0.00680 B	ND(0.0100)	ND(0.0100)
Barium	30	0.0450 B	0.0970 B	2.10
Beryllium	0.05	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.01	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	2	ND(0.010)	ND(0.0100)	ND(0.010)
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	Not Listed	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	0.01	ND(0.0100)	0.00680 B	0.00170 B
Lead	0.03	ND(0.0030)	ND(0.00300)	ND(0.0030)
Nickel	0.08	0.00390 B	ND(0.0400)	0.0170 B
Selenium	0.08	0.00580 J	ND(0.00500) J	ND(0.00500) J
Silver	0.007	ND(0.00500)	ND(0.00500)	ND(0.00500)
Vanadium	2	0.00410 B	ND(0.0500)	ND(0.0500)
Zinc	0.9	0.00540 B	ND(0.0200)	ND(0.0200)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	82B-R 11/08/05	89B 11/09/05	90B 11/04/05
Volatile Organics				
1,1-Dichloroethane	50	0.00067 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Benzene	7	0.0014 J	0.0022 J [0.0022 J]	ND(0.0050)
Chlorobenzene	0.5	ND(0.0050)	0.23 [0.20]	ND(0.0050)
Tetrachloroethene	5	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)
Toluene	50	0.00055 J	0.00051 J [0.00051 J]	ND(0.0050)
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	0.00066 J	0.000089 [0.00012]	0.000066
Total PCBs	Not Applicable	0.00066 J	0.000089 [0.00012]	0.000066
PCBs-Filtered				
Aroclor-1254	Not Listed	0.00030	0.000068 [0.000091]	0.000029 J
Total PCBs	0.0003	0.00030	0.000068 [0.000091]	0.000029 J
Semivolatile Organics				
1,2-Dichlorobenzene	8	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
1,3-Dichlorobenzene	8	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	ND(0.010) J [ND(0.010) J]	ND(0.010) J
1,4-Dichlorobenzene	8	ND(0.010)	ND(0.010) [0.0023 J]	ND(0.010)
2-Chlorophenol	40	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
2-Methylnaphthalene	3	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
2-Nitrophenol	Not Listed	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Acenaphthene	5	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Anthracene	3	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Fluoranthene	0.2	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Fluorene	3	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Hexachlorobutadiene	0.09	ND(0.0010) J	0.00063 J [ND(0.0010) J]	ND(0.0010) J
Naphthalene	6	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Phenanthrene	0.05	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Phenol	30	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Pyrene	3	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Organochlorine Pesticides				
None Detected	--	--	--	--
Organophosphate Pesticides				
None Detected	--	--	--	--
Herbicides				
None Detected	--	--	--	--
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000032)	0.0000000019 J [ND(0.0000000027)]	ND(0.0000000031)
TCDFs (total)	Not Listed	ND(0.0000000032)	0.0000000019 J [ND(0.0000000027)]	ND(0.0000000031)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000054) X	ND(0.0000000050) [ND(0.0000000069)]	ND(0.0000000088)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000056)]	ND(0.0000000052)
PeCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.000000012)]	ND(0.000000014)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	0.0000000057 J
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000062)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000050) X
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000049)
HxCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	ND(0.000000012)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	0.0000000061 J
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000053)]	ND(0.0000000051)
HpCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000053)]	ND(0.000000011)
OCDF	Not Listed	ND(0.0000000099)	ND(0.0000000099) [ND(0.0000000099)]	ND(0.000000010)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	82B-R 11/08/05	89B 11/09/05	90B 11/04/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000044)	ND(0.0000000021) [ND(0.0000000036)]	ND(0.0000000031)
TCDDs (total)	Not Listed	ND(0.0000000044)	ND(0.0000000036) [ND(0.0000000036)]	ND(0.0000000031)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000074)
PeCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000074)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	0.0000000060 J
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000056)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000064)
HxCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]	ND(0.000000018)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050) [ND(0.0000000062)]	ND(0.0000000066)
HpCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050) [ND(0.000000011)]	ND(0.0000000066)
OCDD	Not Listed	ND(0.000000018)	ND(0.000000015) [ND(0.000000018)]	ND(0.000000022)
Total TEQs (WHO TEFs)	0.0000001	0.0000000081	0.0000000069 [0.0000000079]	0.0000000096
Inorganics-Unfiltered				
Antimony	Not Applicable	0.00780 B	ND(0.0600) [ND(0.0600)]	ND(0.0600)
Arsenic	Not Applicable	0.00580 B	0.00540 B [ND(0.0100)]	0.00930 B
Barium	Not Applicable	0.0760 B	0.0710 B [0.0710 B]	0.0360 B
Beryllium	Not Applicable	ND(0.00100)	ND(0.00100) [ND(0.00100)]	ND(0.00100)
Cadmium	Not Applicable	0.00110 B	0.000850 B [0.000570 B]	ND(0.0050)
Chromium	Not Applicable	ND(0.0100)	ND(0.0100) [ND(0.0100)]	0.00330 B
Cobalt	Not Applicable	ND(0.0500)	ND(0.0500) [ND(0.0500)]	0.00110 B
Copper	Not Applicable	ND(0.0250)	ND(0.0250) [ND(0.0250)]	ND(0.025)
Cyanide	Not Applicable	ND(0.0100)	0.00480 B [0.00140 B]	ND(0.0100)
Lead	Not Applicable	ND(0.00300)	ND(0.00300) [ND(0.00300)]	ND(0.00300)
Nickel	Not Applicable	ND(0.0400)	ND(0.0400) [ND(0.0400)]	ND(0.040)
Selenium	Not Applicable	ND(0.00500) J	ND(0.00500) J [ND(0.00500) J]	0.00520
Silver	Not Applicable	ND(0.00500)	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Sulfide	Not Applicable	ND(5.0)	ND(5.0) [ND(5.0)]	3.20 B
Vanadium	Not Applicable	0.00410 B	0.00240 B [0.00220 B]	0.00270 B
Zinc	Not Applicable	ND(0.0200)	ND(0.0200) [ND(0.0200)]	ND(0.0200)
Inorganics-Filtered				
Antimony	0.3	ND(0.0600)	ND(0.0600) [ND(0.0600)]	ND(0.0600)
Arsenic	0.4	ND(0.0100)	ND(0.0100) [ND(0.0100)]	0.00840 B
Barium	30	0.0540 B	0.0550 B [0.0550 B]	0.0350 B
Beryllium	0.05	ND(0.00100)	ND(0.00100) [ND(0.00100)]	ND(0.00100)
Cadmium	0.01	ND(0.00500)	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Chromium	2	ND(0.0100)	ND(0.0100) [ND(0.0100)]	0.00290 B
Cobalt	Not Listed	ND(0.0500)	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Copper	Not Listed	ND(0.0250)	ND(0.0250) [ND(0.0250)]	ND(0.0250)
Cyanide	0.01	ND(0.0100)	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Lead	0.03	ND(0.00300)	ND(0.00300) [ND(0.00300)]	ND(0.00300)
Nickel	0.08	ND(0.0400)	ND(0.0400) [ND(0.0400)]	0.00200 B
Selenium	0.08	ND(0.00500) J	ND(0.00500) J [ND(0.00500) J]	ND(0.00500) J
Silver	0.007	ND(0.00500)	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Vanadium	2	0.00200 B	ND(0.0500) [ND(0.0500)]	0.00160 B
Zinc	0.9	ND(0.0200)	ND(0.0200) [0.00460 B]	0.00420 B

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	95B-R 11/04/05	111-BR 11/03/05	114B-R 12/08/05	GMA3-3 10/19/05
Volatile Organics					
1,1-Dichloroethane	50	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.0050)
Benzene	7	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.0050)
Chlorobenzene	0.5	0.012	ND(0.0050)	3.3	0.0048 J
Tetrachloroethene	5	ND(0.0020)	ND(0.0020)	ND(0.050)	ND(0.0020)
Toluene	50	ND(0.0050)	ND(0.0050)	ND(0.050)	ND(0.0050)
PCBs-Unfiltered					
Aroclor-1254	Not Applicable	0.000036 J	0.000036 J	ND(0.000065)	0.00033
Total PCBs	Not Applicable	0.000036 J	0.000036 J	ND(0.000065)	0.00033
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065)	0.000034 J	NA	0.00012
Total PCBs	0.0003	ND(0.000065)	0.000034 J	NA	0.00012
Semivolatile Organics					
1,2-Dichlorobenzene	8	ND(0.0050)	ND(0.010)	0.015 J	ND(0.010)
1,3-Dichlorobenzene	8	ND(0.0050)	ND(0.010)	0.0030 J	ND(0.010)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
1,4-Dichlorobenzene	8	ND(0.0050)	ND(0.010)	0.019 J	ND(0.010)
2-Chlorophenol	40	ND(0.010)	ND(0.010)	R	ND(0.010)
2-Methylnaphthalene	3	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
2-Nitrophenol	Not Listed	ND(0.010)	ND(0.010)	R	ND(0.010)
Acenaphthene	5	ND(0.010)	ND(0.010)	ND(0.010) J	0.0013 J
Anthracene	3	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
Fluoranthene	0.2	ND(0.010)	ND(0.010) J	ND(0.010) J	ND(0.010)
Fluorene	3	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
Hexachlorobutadiene	0.09	ND(0.0010) J	ND(0.0010) J	ND(0.050)	ND(0.0010)
Naphthalene	6	ND(0.0050)	ND(0.010)	ND(0.010) J	ND(0.010)
Phenanthrene	0.05	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
Phenol	30	ND(0.010)	ND(0.010)	R	ND(0.010)
Pyrene	3	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
Organochlorine Pesticides					
None Detected	--	--	NA	--	--
Organophosphate Pesticides					
None Detected	--	--	NA	--	--
Herbicides					
None Detected	--	--	NA	--	--
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000021) X	ND(0.0000000030)	ND(0.0000000038)	ND(0.0000000040)
TCDFs (total)	Not Listed	ND(0.0000000017)	ND(0.0000000030)	ND(0.0000000038)	ND(0.0000000064)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
PeCDFs (total)	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000053)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
HxCDFs (total)	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000051)	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
OCDF	Not Listed	ND(0.0000000097)	ND(0.000000010)	ND(0.000000012)	ND(0.000000010)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	95B-R 11/04/05	111-BR 11/03/05	114B-R 12/08/05	GMA3-3 10/19/05
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000027)	ND(0.0000000041)	ND(0.0000000045)	ND(0.0000000025)
TCDDs (total)	Not Listed	ND(0.0000000027)	ND(0.0000000041)	ND(0.0000000045)	ND(0.0000000025)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000049)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000081)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000079)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000081)	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000080)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000090)	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000090)	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000013)	ND(0.000000016)	ND(0.00000013)	ND(0.000000011)
Total TEQs (WHO TEFs)	0.0000001	0.0000000069	0.0000000079	0.0000000085	0.0000000072
Inorganics-Unfiltered					
Antimony	Not Applicable	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	Not Applicable	ND(0.0100)	ND(0.0100)	ND(0.0100)	0.0180
Barium	Not Applicable	0.0780 B	0.0360 B	0.250	0.140 B
Beryllium	Not Applicable	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	Not Applicable	ND(0.00500)	ND(0.00500)	ND(0.00500)	0.00110 B
Chromium	Not Applicable	ND(0.0100)	0.00100 B	ND(0.0100)	0.00120 B
Cobalt	Not Applicable	0.000860 B	ND(0.0500)	ND(0.0500)	0.00130 B
Copper	Not Applicable	ND(0.0250)	ND(0.0250)	ND(0.0250)	0.00360 B
Cyanide	Not Applicable	ND(0.0100)	0.00260 B	ND(0.0100)	0.00450 B
Lead	Not Applicable	ND(0.00300)	ND(0.00300)	ND(0.0030)	0.00260 B
Nickel	Not Applicable	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.040)
Selenium	Not Applicable	ND(0.00500)	ND(0.0086) J	ND(0.00500) J	ND(0.00500) J
Silver	Not Applicable	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	Not Applicable	3.20 B	ND(5.00)	ND(5.00)	ND(5.00)
Vanadium	Not Applicable	0.00140 B	0.00200 B	0.00160 B	0.00600 B
Zinc	Not Applicable	ND(0.0200)	ND(0.0200)	ND(0.0200)	0.00450 B
Inorganics-Filtered					
Antimony	0.3	ND(0.0600)	ND(0.0600)	0.00720 B	ND(0.0600)
Arsenic	0.4	ND(0.0100)	ND(0.0100)	ND(0.0100)	0.0120
Barium	30	0.0680 B	0.0340 B	0.240	0.140 B
Beryllium	0.05	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.01	ND(0.00500)	ND(0.00500)	ND(0.00500)	0.000660 B
Chromium	2	ND(0.0100)	0.000740 B	ND(0.0100)	ND(0.0100)
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	Not Listed	ND(0.0250)	ND(0.0250)	ND(0.0250)	0.00160 B
Cyanide	0.01	ND(0.0100)	0.00240 B	ND(0.0100)	0.00390 B
Lead	0.03	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.0030)
Nickel	0.08	ND(0.0400)	ND(0.0400)	ND(0.040)	ND(0.0400)
Selenium	0.08	ND(0.00500) J	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver	0.007	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Vanadium	2	ND(0.0500)	ND(0.0500)	ND(0.0500)	0.00460 B
Zinc	0.9	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	GMA3-5 10/18/05	GMA3-6 10/21/05	GMA3-7 10/19/05
Volatile Organics				
1,1-Dichloroethane	50	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene	7	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	0.5	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	5	ND(0.0020)	0.0025	ND(0.0020)
Toluene	50	ND(0.0050)	0.0024 J	0.0015 J
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	0.00014	0.00021	0.00019
Total PCBs	Not Applicable	0.00014	0.00021	0.00019
PCBs-Filtered				
Aroclor-1254	Not Listed	0.000046 J	ND(0.000065)	0.000083
Total PCBs	0.0003	0.000046 J	ND(0.000065)	0.000083
Semivolatile Organics				
1,2-Dichlorobenzene	8	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	8	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	ND(0.010) J	ND(0.010) J
1,4-Dichlorobenzene	8	ND(0.010)	ND(0.010)	ND(0.010)
2-Chlorophenol	40	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	3	ND(0.010)	ND(0.010)	ND(0.010)
2-Nitrophenol	Not Listed	ND(0.010)	0.0072 J	ND(0.010)
Acenaphthene	5	ND(0.010)	ND(0.010)	ND(0.010)
Anthracene	3	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	ND(0.010)	ND(0.010)
Fluoranthene	0.2	ND(0.010)	ND(0.010)	ND(0.010)
Fluorene	3	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobutadiene	0.09	ND(0.0010)	ND(0.0010)	ND(0.0010)
Naphthalene	6	ND(0.010)	ND(0.010)	ND(0.010)
Phenanthrene	0.05	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	30	ND(0.010)	0.011	ND(0.010)
Pyrene	3	ND(0.010)	ND(0.010)	ND(0.010)
Organochlorine Pesticides				
None Detected	--	NA	NA	NA
Organophosphate Pesticides				
None Detected	--	NA	NA	NA
Herbicides				
None Detected	--	NA	NA	NA
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000050)	ND(0.0000000039)	ND(0.0000000041) X
TCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000039)	ND(0.0000000022)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
PeCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
HxCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
OCDF	Not Listed	ND(0.000000010)	ND(0.000000010)	ND(0.000000010)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	GMA3-5 10/18/05	GMA3-6 10/21/05	GMA3-7 10/19/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000034)	ND(0.0000000027)	ND(0.0000000038)
TCDDs (total)	Not Listed	ND(0.0000000034)	ND(0.0000000027)	ND(0.0000000038)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000015)	ND(0.000000020)	ND(0.000000016)
Total TEQs (WHO TEFs)	0.0000001	0.0000000077	0.0000000072	0.0000000078
Inorganics-Unfiltered				
Antimony	Not Applicable	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	Not Applicable	ND(0.0100)	0.00400 B	ND(0.0100)
Barium	Not Applicable	0.0330 B	0.290	0.120 B
Beryllium	Not Applicable	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	Not Applicable	0.000650 B	0.00110 B	ND(0.00500)
Chromium	Not Applicable	ND(0.0100)	ND(0.0100)	0.000900 B
Cobalt	Not Applicable	ND(0.0500)	0.00430 B	ND(0.0500)
Copper	Not Applicable	0.00210 B	0.00230 B	0.00150 B
Cyanide	Not Applicable	ND(0.0100)	0.00140 B	ND(0.0100)
Lead	Not Applicable	0.00250 B	0.00540	0.00260 B
Nickel	Not Applicable	ND(0.040)	ND(0.040)	ND(0.0400)
Selenium	Not Applicable	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	Not Applicable	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	Not Applicable	ND(5.00)	ND(5.00)	ND(5.00)
Vanadium	Not Applicable	0.00210 B	ND(0.0500)	0.00220 B
Zinc	Not Applicable	0.00640 B	0.00890 B	ND(0.0200)
Inorganics-Filtered				
Antimony	0.3	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	0.4	ND(0.0100)	0.00370 B	ND(0.0100)
Barium	30	0.0320 B	0.260	0.120 B
Beryllium	0.05	ND(0.00100)	0.00290	ND(0.00100)
Cadmium	0.01	ND(0.00500)	0.00310 B	0.000560 B
Chromium	2	ND(0.0100)	0.00360 B	ND(0.0100)
Cobalt	Not Listed	ND(0.0500)	0.00640 B	ND(0.0500)
Copper	Not Listed	0.00140 B	0.00290 B	ND(0.0250)
Cyanide	0.01	ND(0.0100)	0.00230 B	0.00260 B
Lead	0.03	ND(0.00300)	ND(0.0030)	ND(0.00300)
Nickel	0.08	ND(0.0400)	0.00720 B	ND(0.0400)
Selenium	0.08	ND(0.00500) J	0.00820 J	ND(0.00500) J
Silver	0.007	ND(0.00500)	0.00270 B	ND(0.00500)
Vanadium	2	0.00200 B	0.00320 B	0.00200 B
Zinc	0.9	ND(0.0030)	0.0130 B	ND(0.0200)

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.
8. -- Indicates that all constituents for the parameter group were not detected.
9. Shading indicates that value exceeds GW-3 Standards.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, pesticides, herbicides, dioxin/furans

J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.
X - Estimated maximum possible concentration.

Inorganic

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
J - Indicates that the associated numerical value is an estimated concentration.

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05
Volatile Organics					
1,1-Dichloroethane	100	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Benzene	70	6.9	ND(0.0050)	0.049	ND(0.0050)
Carbon Tetrachloride	100	ND(0.050)	ND(0.0050)	ND(0.010)	0.0012 J
Chlorobenzene	10	3.3	ND(0.0050)	0.24	ND(0.0050)
Chloroform	100	ND(0.050)	ND(0.0050)	ND(0.010)	0.011
Ethylbenzene	100	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)
Tetrachloroethene	50	ND(0.050)	ND(0.0020)	ND(0.010)	ND(0.0020)
Toluene	100	0.064	ND(0.0050)	ND(0.010)	ND(0.0050)
Vinyl Chloride	100	ND(0.050)	0.0015 J	ND(0.010)	ND(0.0020)
Xylenes (total)	100	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	0.00034	NA	NA	NA
Total PCBs	0.005	0.00034	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.00011	NA	NA	NA
Total PCBs	0.005	0.00011	NA	NA	NA
Semivolatile Organics					
1,2-Dichlorobenzene	100	0.0030 J	ND(0.0050)	NA	ND(0.0050)
1,3-Dichlorobenzene	100	ND(0.010)	0.0010 J	NA	ND(0.0050)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	NA	NA	NA
1,4-Dichlorobenzene	100	0.036	0.0025 J	NA	ND(0.0050)
2-Chlorophenol	100	0.0014 J	NA	NA	NA
2-Methylnaphthalene	100	ND(0.010)	NA	NA	NA
2-Nitrophenol	Not Listed	ND(0.010)	NA	NA	NA
Acenaphthene	50	0.0085 J	NA	NA	NA
Anthracene	30	ND(0.010)	NA	NA	NA
Dibenzofuran	Not Listed	ND(0.010)	NA	NA	NA
Fluoranthene	3	ND(0.010)	NA	NA	NA
Fluorene	30	ND(0.010)	NA	NA	NA
Hexachlorobutadiene	0.9	ND(0.050)	NA	NA	NA
Naphthalene	60	0.022	ND(0.0050)	NA	ND(0.0050)
Phenanthrene	3	ND(0.010)	NA	NA	NA
Phenol	100	0.084	NA	NA	NA
Pyrene	30	ND(0.010)	NA	NA	NA
Organochlorine Pesticides					
None Detected	Not Listed	--	NA	NA	NA
Organophosphate Pesticides					
None Detected	Not Listed	--	NA	NA	NA
Herbicides					
None Detected	Not Listed	--	NA	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000041)	NA	NA	NA
TCDFs (total)	Not Listed	ND(0.0000000041)	NA	NA	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000049)	NA	NA	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000049)	NA	NA	NA
PeCDFs (total)	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000049)	NA	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000049)	NA	NA	NA
HxCDFs (total)	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000049)	NA	NA	NA
HpCDFs (total)	Not Listed	ND(0.0000000049)	NA	NA	NA
OCDF	Not Listed	ND(0.0000000099)	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000030)	NA	NA	NA
TCDDs (total)	Not Listed	ND(0.0000000030)	NA	NA	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000049)	NA	NA	NA
PeCDDs (total)	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000049)	NA	NA	NA
HxCDDs (total)	Not Listed	ND(0.0000000049)	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000049)	NA	NA	NA
HpCDDs (total)	Not Listed	ND(0.0000000049)	NA	NA	NA
OCDD	Not Listed	ND(0.00000011)	NA	NA	NA
Total TEQs (WHO TEFs)	0.000001	0.0000000073	NA	NA	NA
Inorganics-Unfiltered					
Antimony	3	ND(0.0600)	NA	NA	NA
Arsenic	4	0.00440 B	NA	NA	NA
Barium	100	0.0450 B	NA	NA	NA
Beryllium	0.5	ND(0.00100)	NA	NA	NA
Cadmium	0.1	0.000530 B	NA	NA	NA
Chromium	20	0.00160 B	NA	NA	NA
Cobalt	Not Listed	ND(0.0500)	NA	NA	NA
Copper	Not Listed	0.0150 B	NA	NA	NA
Cyanide	2	0.00120 B	NA	NA	NA
Lead	0.3	ND(0.0033)	NA	NA	NA
Nickel	1	ND(0.040)	NA	NA	NA
Selenium	0.8	ND(0.00500) J	NA	NA	NA
Silver	0.4	ND(0.00500)	NA	NA	NA
Sulfide	Not Listed	ND(5.00)	NA	NA	NA
Vanadium	20	0.00530 B	NA	NA	NA
Zinc	20	0.0110 B	NA	NA	NA
Inorganics-Filtered					
Antimony	3	ND(0.0600)	NA	NA	NA
Arsenic	4	0.00680 B	NA	NA	NA
Barium	100	0.0450 B	NA	NA	NA
Beryllium	0.5	ND(0.00100)	NA	NA	NA
Cadmium	0.1	ND(0.00500)	NA	NA	NA
Chromium	20	ND(0.010)	NA	NA	NA
Cobalt	Not Listed	ND(0.0500)	NA	NA	NA
Copper	Not Listed	ND(0.0250)	NA	NA	NA
Cyanide	2	ND(0.0100)	NA	NA	NA
Lead	0.3	ND(0.0030)	NA	NA	NA
Nickel	1	0.00390 B	NA	NA	NA
Selenium	0.8	0.00580 J	NA	NA	NA
Silver	0.4	ND(0.00500)	NA	NA	NA
Vanadium	20	0.00410 B	NA	NA	NA
Zinc	20	0.00540 B	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	54B-R 11/10/05	78B-R 10/20/05	82B-R 11/08/05
Volatile Organics				
1,1-Dichloroethane	100	ND(0.0050)	ND(0.10)	0.00067 J
Benzene	70	ND(0.0050)	1.8	0.0014 J
Carbon Tetrachloride	100	ND(0.0050)	ND(0.10)	ND(0.0050)
Chlorobenzene	10	ND(0.0050)	2.3	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(0.10)	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	ND(0.10)	ND(0.0050)
Tetrachloroethene	50	ND(0.0020)	ND(0.10)	ND(0.0020)
Toluene	100	ND(0.0050)	ND(0.10)	0.00055 J
Vinyl Chloride	100	ND(0.0020)	ND(0.10)	ND(0.0020)
Xylenes (total)	100	ND(0.010)	ND(0.10)	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254	Not Listed	0.00010	ND(0.000065)	0.00066 J
Total PCBs	0.005	0.00010	ND(0.000065)	0.00066 J
PCBs-Filtered				
Aroclor-1254	Not Listed	0.000056 J	ND(0.000065)	0.00030
Total PCBs	0.005	0.000056 J	ND(0.000065)	0.00030
Semivolatile Organics				
1,2-Dichlorobenzene	100	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	100	ND(0.010)	0.0021 J	ND(0.010)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	0.0021 J	ND(0.010) J
1,4-Dichlorobenzene	100	ND(0.010) J	0.011	ND(0.010)
2-Chlorophenol	100	R	0.0042 J	ND(0.010)
2-Methylnaphthalene	100	ND(0.010)	0.020	ND(0.010)
2-Nitrophenol	Not Listed	R	ND(0.010)	ND(0.010)
Acenaphthene	50	ND(0.010) J	0.014	ND(0.010)
Anthracene	30	ND(0.010)	0.0026 J	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	0.012	ND(0.010)
Fluoranthene	3	ND(0.010)	0.0018 J	ND(0.010)
Fluorene	30	ND(0.010)	0.012	ND(0.010)
Hexachlorobutadiene	0.9	ND(0.0010)	ND(0.10)	ND(0.0010) J
Naphthalene	60	ND(0.010)	0.020	ND(0.010)
Phenanthrene	3	ND(0.010)	0.017	ND(0.010)
Phenol	100	R	0.0083 J	ND(0.010)
Pyrene	30	ND(0.010)	0.0016 J	ND(0.010)
Organochlorine Pesticides				
None Detected	Not Listed	--	--	--
Organophosphate Pesticides				
None Detected	Not Listed	--	--	--
Herbicides				
None Detected	Not Listed	--	--	--
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000026)	ND(0.0000000058)	ND(0.0000000032)
TCDFs (total)	Not Listed	ND(0.0000000026)	0.000000086	ND(0.0000000032)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000057) X	ND(0.0000000050)	ND(0.0000000054) X
2,3,4,7,8-PeCDF	Not Listed	0.0000000055 J	ND(0.0000000050)	ND(0.0000000050)
PeCDFs (total)	Not Listed	ND(0.000000011)	0.000000018 J	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	Not Listed	0.0000000081 J	ND(0.0000000050)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	0.0000000057 J	ND(0.0000000050)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	0.0000000054 J	ND(0.0000000050)	ND(0.0000000050)
HxCDFs (total)	Not Listed	0.000000019 J	0.0000000080 J	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	Not Listed	0.0000000065 J	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)
HpCDFs (total)	Not Listed	0.0000000065 J	ND(0.0000000050)	ND(0.0000000050)
OCDF	Not Listed	0.000000010 J	ND(0.0000000099)	ND(0.0000000099)

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	54B-R 11/10/05	78B-R 10/20/05	82B-R 11/08/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000031)	ND(0.0000000025)	ND(0.0000000044)
TCDDs (total)	Not Listed	ND(0.0000000031)	ND(0.0000000025)	ND(0.0000000044)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000065)	ND(0.0000000050)	ND(0.0000000054)
HpCDDs (total)	Not Listed	ND(0.0000000065)	ND(0.0000000050)	ND(0.0000000054)
OCDD	Not Listed	ND(0.000000046)	ND(0.000000034)	ND(0.000000018)
Total TEQs (WHO TEFs)	0.000001	0.000000010	0.0000000072	0.0000000081
Inorganics-Unfiltered				
Antimony	3	ND(0.0600)	0.00820 B	0.00780 B
Arsenic	4	0.0140	ND(0.0100)	0.00580 B
Barium	100	0.210 J	2.40	0.0760 B
Beryllium	0.5	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.1	0.00150 B	0.000720 B	0.00110 B
Chromium	20	0.00560 B	ND(0.0100)	ND(0.0100)
Cobalt	Not Listed	0.00290 B	ND(0.0500)	ND(0.0500)
Copper	Not Listed	0.00700 J	0.00160 B	ND(0.0250)
Cyanide	2	0.0110	0.00180 B	ND(0.0100)
Lead	0.3	ND(0.0030)	0.00570	ND(0.00300)
Nickel	1	ND(0.040)	0.0200 B	ND(0.0400)
Selenium	0.8	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	0.4	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	Not Listed	ND(5.0)	ND(5.00)	ND(5.0)
Vanadium	20	0.00720 B	0.00270 B	0.00410 B
Zinc	20	ND(0.020)	ND(0.0200)	ND(0.0200)
Inorganics-Filtered				
Antimony	3	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	4	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	100	0.0970 B	2.10	0.0540 B
Beryllium	0.5	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.1	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	20	ND(0.0100)	ND(0.010)	ND(0.0100)
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	Not Listed	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	2	0.00680 B	0.00170 B	ND(0.0100)
Lead	0.3	ND(0.00300)	ND(0.0030)	ND(0.00300)
Nickel	1	ND(0.0400)	0.0170 B	ND(0.0400)
Selenium	0.8	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	0.4	ND(0.00500)	ND(0.00500)	ND(0.00500)
Vanadium	20	ND(0.0500)	ND(0.0500)	0.00200 B
Zinc	20	ND(0.0200)	ND(0.0200)	ND(0.0200)

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	89B 11/09/05	90B 11/04/05	95B-R 11/04/05
Volatile Organics				
1,1-Dichloroethane	100	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzene	70	0.0022 J [0.0022 J]	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	100	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	10	0.23 [0.20]	ND(0.0050)	0.012
Chloroform	100	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Ethylbenzene	100	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Tetrachloroethene	50	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Toluene	100	0.00051 J [0.00051 J]	ND(0.0050)	ND(0.0050)
Vinyl Chloride	100	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Xylenes (total)	100	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254	Not Listed	0.000089 [0.00012]	0.000066	0.000036 J
Total PCBs	0.005	0.000089 [0.00012]	0.000066	0.000036 J
PCBs-Filtered				
Aroclor-1254	Not Listed	0.000068 [0.000091]	0.000029 J	ND(0.000065)
Total PCBs	0.005	0.000068 [0.000091]	0.000029 J	ND(0.000065)
Semivolatile Organics				
1,2-Dichlorobenzene	100	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0050)
1,3-Dichlorobenzene	100	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0050)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
1,4-Dichlorobenzene	100	ND(0.010) [0.0023 J]	ND(0.010)	ND(0.0050)
2-Chlorophenol	100	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Methylnaphthalene	100	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Nitrophenol	Not Listed	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acenaphthene	50	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Anthracene	30	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Fluoranthene	3	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Fluorene	30	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Hexachlorobutadiene	0.9	0.00063 J [ND(0.0010) J]	ND(0.0010) J	ND(0.0010) J
Naphthalene	60	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0050)
Phenanthrene	3	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Phenol	100	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Pyrene	30	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Organochlorine Pesticides				
None Detected	Not Listed	--	--	--
Organophosphate Pesticides				
None Detected	Not Listed	--	--	--
Herbicides				
None Detected	Not Listed	--	--	--
Furans				
2,3,7,8-TCDF	Not Listed	0.0000000019 J [ND(0.0000000027)]	ND(0.0000000031)	ND(0.0000000021) X
TCDFs (total)	Not Listed	0.0000000019 J [ND(0.0000000027)]	ND(0.0000000031)	ND(0.0000000017)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050) [ND(0.0000000069)]	ND(0.0000000088)	ND(0.0000000048)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050) [ND(0.0000000056)]	ND(0.0000000052)	ND(0.0000000048)
PeCDFs (total)	Not Listed	ND(0.0000000050) [ND(0.000000012)]	ND(0.000000014)	ND(0.0000000048)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	0.0000000057 J	ND(0.0000000048)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000062)	ND(0.0000000048)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000050) X	ND(0.0000000048)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000049)	ND(0.0000000048)
HxCDFs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	ND(0.000000012)	ND(0.0000000048)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	0.0000000061 J	ND(0.0000000048)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050) [ND(0.0000000053)]	ND(0.0000000051)	ND(0.0000000048)
HpCDFs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000053)]	ND(0.000000011)	ND(0.0000000048)
OCDF	Not Listed	ND(0.0000000099) [ND(0.0000000099)]	ND(0.000000010)	ND(0.0000000097)

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	89B 11/09/05	90B 11/04/05	95B-R 11/04/05
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000021) [ND(0.0000000036)]	ND(0.0000000031)	ND(0.0000000027)
TCDDs (total)	Not Listed	ND(0.0000000036) [ND(0.0000000036)]	ND(0.0000000031)	ND(0.0000000027)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000074)	ND(0.0000000048)
PeCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000074)	ND(0.0000000048)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	0.0000000060 J	ND(0.0000000048)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000056)	ND(0.0000000048)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	ND(0.0000000064)	ND(0.0000000048)
HxCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000049)]	ND(0.000000018)	ND(0.0000000048)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050) [ND(0.0000000062)]	ND(0.0000000066)	ND(0.0000000048)
HpCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.000000011)]	ND(0.0000000066)	ND(0.0000000048)
OCDD	Not Listed	ND(0.000000015) [ND(0.000000018)]	ND(0.000000022)	ND(0.000000013)
Total TEQs (WHO TEFs)	0.000001	0.0000000069 [0.0000000079]	0.0000000096	0.0000000069
Inorganics-Unfiltered				
Antimony	3	ND(0.0600) [ND(0.0600)]	ND(0.0600)	ND(0.0600)
Arsenic	4	0.00540 B [ND(0.0100)]	0.00930 B	ND(0.0100)
Barium	100	0.0710 B [0.0710 B]	0.0360 B	0.0780 B
Beryllium	0.5	ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.00100)
Cadmium	0.1	0.000850 B [0.000570 B]	ND(0.0050)	ND(0.00500)
Chromium	20	ND(0.0100) [ND(0.0100)]	0.00330 B	ND(0.0100)
Cobalt	Not Listed	ND(0.0500) [ND(0.0500)]	0.00110 B	0.000860 B
Copper	Not Listed	ND(0.0250) [ND(0.0250)]	ND(0.025)	ND(0.0250)
Cyanide	2	0.00480 B [0.00140 B]	ND(0.0100)	ND(0.0100)
Lead	0.3	ND(0.00300) [ND(0.00300)]	ND(0.00300)	ND(0.00300)
Nickel	1	ND(0.0400) [ND(0.0400)]	ND(0.040)	ND(0.0400)
Selenium	0.8	ND(0.00500) J [ND(0.00500) J]	0.00520	ND(0.00500)
Silver	0.4	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Sulfide	Not Listed	ND(5.0) [ND(5.0)]	3.20 B	3.20 B
Vanadium	20	0.00240 B [0.00220 B]	0.00270 B	0.00140 B
Zinc	20	ND(0.0200) [ND(0.0200)]	ND(0.0200)	ND(0.0200)
Inorganics-Filtered				
Antimony	3	ND(0.0600) [ND(0.0600)]	ND(0.0600)	ND(0.0600)
Arsenic	4	ND(0.0100) [ND(0.0100)]	0.00840 B	ND(0.0100)
Barium	100	0.0550 B [0.0550 B]	0.0350 B	0.0680 B
Beryllium	0.5	ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.00100)
Cadmium	0.1	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Chromium	20	ND(0.0100) [ND(0.0100)]	0.00290 B	ND(0.0100)
Cobalt	Not Listed	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Copper	Not Listed	ND(0.0250) [ND(0.0250)]	ND(0.0250)	ND(0.0250)
Cyanide	2	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Lead	0.3	ND(0.00300) [ND(0.00300)]	ND(0.00300)	ND(0.00300)
Nickel	1	ND(0.0400) [ND(0.0400)]	0.00200 B	ND(0.0400)
Selenium	0.8	ND(0.00500) J [ND(0.00500) J]	ND(0.00500) J	ND(0.00500) J
Silver	0.4	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Vanadium	20	ND(0.0500) [ND(0.0500)]	0.00160 B	ND(0.0500)
Zinc	20	ND(0.0200) [0.00460 B]	0.00420 B	ND(0.0200)

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	111-BR 11/03/05	114A 12/08/05	114B-R 12/08/05	GMA3-2 10/18/05
Volatile Organics					
1,1-Dichloroethane	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Benzene	70	ND(0.0050)	0.68 J	ND(0.050)	0.012
Carbon Tetrachloride	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Chlorobenzene	10	ND(0.0050)	ND(1.0)	3.3	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(1.0)	ND(0.050)	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	11	ND(0.050)	ND(0.0050)
Tetrachloroethene	50	ND(0.0020)	ND(1.0)	ND(0.050)	ND(0.0020) J
Toluene	100	ND(0.0050)	17	ND(0.050)	ND(0.0050)
Vinyl Chloride	100	ND(0.0020)	ND(1.0)	ND(0.050)	ND(0.0020)
Xylenes (total)	100	ND(0.010)	68	ND(0.050)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	0.000036 J	NA	ND(0.000065)	NA
Total PCBs	0.005	0.000036 J	NA	ND(0.000065)	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.000034 J	NA	NA	NA
Total PCBs	0.005	0.000034 J	NA	NA	NA
Semivolatile Organics					
1,2-Dichlorobenzene	100	ND(0.010)	NA	0.015 J	ND(0.0050)
1,3-Dichlorobenzene	100	ND(0.010)	NA	0.0030 J	ND(0.0050)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	NA	ND(0.010) J	NA
1,4-Dichlorobenzene	100	ND(0.010)	NA	0.019 J	0.0016 J
2-Chlorophenol	100	ND(0.010)	NA	R	NA
2-Methylnaphthalene	100	ND(0.010)	NA	ND(0.010) J	NA
2-Nitrophenol	Not Listed	ND(0.010)	NA	R	NA
Acenaphthene	50	ND(0.010)	NA	ND(0.010) J	NA
Anthracene	30	ND(0.010)	NA	ND(0.010) J	NA
Dibenzofuran	Not Listed	ND(0.010)	NA	ND(0.010) J	NA
Fluoranthene	3	ND(0.010) J	NA	ND(0.010) J	NA
Fluorene	30	ND(0.010)	NA	ND(0.010) J	NA
Hexachlorobutadiene	0.9	ND(0.0010) J	ND(1.0)	ND(0.050)	NA
Naphthalene	60	ND(0.010)	NA	ND(0.010) J	ND(0.0050)
Phenanthrene	3	ND(0.010)	NA	ND(0.010) J	NA
Phenol	100	ND(0.010)	NA	R	NA
Pyrene	30	ND(0.010)	NA	ND(0.010) J	NA
Organochlorine Pesticides					
None Detected	Not Listed	NA	NA	--	NA
Organophosphate Pesticides					
None Detected	Not Listed	NA	NA	--	NA
Herbicides					
None Detected	Not Listed	NA	NA	--	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000030)	NA	ND(0.0000000038)	NA
TCDFs (total)	Not Listed	ND(0.0000000030)	NA	ND(0.0000000038)	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
PeCDFs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000053)	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
HxCDFs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000051)	NA
HpCDFs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
OCDF	Not Listed	ND(0.000000010)	NA	ND(0.000000012)	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	111-BR 11/03/05	114A 12/08/05	114B-R 12/08/05	GMA3-2 10/18/05
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000041)	NA	ND(0.0000000045)	NA
TCDDs (total)	Not Listed	ND(0.0000000041)	NA	ND(0.0000000045)	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
PeCDDs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000049)	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000081)	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000079)	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000081)	NA
HxCDDs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000080)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000090)	NA
HpCDDs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000090)	NA
OCDD	Not Listed	ND(0.000000016)	NA	ND(0.00000013)	NA
Total TEQs (WHO TEFs)	0.000001	0.0000000079	NA	0.0000000085	NA
Inorganics-Unfiltered					
Antimony	3	ND(0.0600)	NA	ND(0.0600)	NA
Arsenic	4	ND(0.0100)	NA	ND(0.0100)	NA
Barium	100	0.0360 B	NA	0.250	NA
Beryllium	0.5	ND(0.00100)	NA	ND(0.00100)	NA
Cadmium	0.1	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	20	0.00100 B	NA	ND(0.0100)	NA
Cobalt	Not Listed	ND(0.0500)	NA	ND(0.0500)	NA
Copper	Not Listed	ND(0.0250)	NA	ND(0.0250)	NA
Cyanide	2	0.00260 B	NA	ND(0.0100)	NA
Lead	0.3	ND(0.00300)	NA	ND(0.0030)	NA
Nickel	1	ND(0.0400)	NA	ND(0.0400)	NA
Selenium	0.8	ND(0.0086) J	NA	ND(0.00500) J	NA
Silver	0.4	ND(0.00500)	NA	ND(0.00500)	NA
Sulfide	Not Listed	ND(5.00)	NA	ND(5.00)	NA
Vanadium	20	0.00200 B	NA	0.00160 B	NA
Zinc	20	ND(0.0200)	NA	ND(0.0200)	NA
Inorganics-Filtered					
Antimony	3	ND(0.0600)	NA	0.00720 B	NA
Arsenic	4	ND(0.0100)	NA	ND(0.0100)	NA
Barium	100	0.0340 B	NA	0.240	NA
Beryllium	0.5	ND(0.00100)	NA	ND(0.00100)	NA
Cadmium	0.1	ND(0.00500)	NA	ND(0.00500)	NA
Chromium	20	0.000740 B	NA	ND(0.0100)	NA
Cobalt	Not Listed	ND(0.0500)	NA	ND(0.0500)	NA
Copper	Not Listed	ND(0.0250)	NA	ND(0.0250)	NA
Cyanide	2	0.00240 B	NA	ND(0.0100)	NA
Lead	0.3	ND(0.00300)	NA	ND(0.00300)	NA
Nickel	1	ND(0.0400)	NA	ND(0.040)	NA
Selenium	0.8	ND(0.00500)	NA	ND(0.00500) J	NA
Silver	0.4	ND(0.00500)	NA	ND(0.00500)	NA
Vanadium	20	ND(0.0500)	NA	ND(0.0500)	NA
Zinc	20	ND(0.0200)	NA	ND(0.0200)	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	GMA3-3 10/19/05	GMA3-4 10/19/05	GMA3-5 10/18/05	GMA3-6 10/21/05
Volatile Organics					
1,1-Dichloroethane	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene	70	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	10	0.0048 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	50	ND(0.0020)	ND(0.0020)	ND(0.0020)	0.0025
Toluene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0024 J
Vinyl Chloride	100	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)	100	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	0.00033	NA	0.00014	0.00021
Total PCBs	0.005	0.00033	NA	0.00014	0.00021
PCBs-Filtered					
Aroclor-1254	Not Listed	0.00012	NA	0.000046 J	ND(0.000065)
Total PCBs	0.005	0.00012	NA	0.000046 J	ND(0.000065)
Semivolatile Organics					
1,2-Dichlorobenzene	100	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	100	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
1,4-Dichlorobenzene	100	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2-Chlorophenol	100	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Methylnaphthalene	100	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Nitrophenol	Not Listed	ND(0.010)	NA	ND(0.010)	0.0072 J
Acenaphthene	50	0.0013 J	NA	ND(0.010)	ND(0.010)
Anthracene	30	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dibenzofuran	Not Listed	ND(0.010)	NA	ND(0.010)	ND(0.010)
Fluoranthene	3	ND(0.010)	NA	ND(0.010)	ND(0.010)
Fluorene	30	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorobutadiene	0.9	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Naphthalene	60	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Phenanthrene	3	ND(0.010)	NA	ND(0.010)	ND(0.010)
Phenol	100	ND(0.010)	NA	ND(0.010)	0.011
Pyrene	30	ND(0.010)	NA	ND(0.010)	ND(0.010)
Organochlorine Pesticides					
None Detected	Not Listed	--	NA	NA	NA
Organophosphate Pesticides					
None Detected	Not Listed	--	NA	NA	NA
Herbicides					
None Detected	Not Listed	--	NA	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000040)	NA	ND(0.0000000050)	ND(0.0000000039)
TCDFs (total)	Not Listed	ND(0.0000000064)	NA	ND(0.0000000050)	ND(0.0000000039)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
PeCDFs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
HxCDFs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
OCDF	Not Listed	ND(0.000000010)	NA	ND(0.000000010)	ND(0.000000010)

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	GMA3-3 10/19/05	GMA3-4 10/19/05	GMA3-5 10/18/05	GMA3-6 10/21/05
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000025)	NA	ND(0.0000000034)	ND(0.0000000027)
TCDDs (total)	Not Listed	ND(0.0000000025)	NA	ND(0.0000000034)	ND(0.0000000027)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000011)	NA	ND(0.000000015)	ND(0.000000020)
Total TEQs (WHO TEFs)	0.000001	0.0000000072	NA	0.0000000077	0.0000000072
Inorganics-Unfiltered					
Antimony	3	ND(0.0600)	NA	ND(0.0600)	ND(0.0600)
Arsenic	4	0.0180	NA	ND(0.0100)	0.00400 B
Barium	100	0.140 B	NA	0.0330 B	0.290
Beryllium	0.5	ND(0.00100)	NA	ND(0.00100)	ND(0.00100)
Cadmium	0.1	0.00110 B	NA	0.000650 B	0.00110 B
Chromium	20	0.00120 B	NA	ND(0.0100)	ND(0.0100)
Cobalt	Not Listed	0.00130 B	NA	ND(0.0500)	0.00430 B
Copper	Not Listed	0.00360 B	NA	0.00210 B	0.00230 B
Cyanide	2	0.00450 B	NA	ND(0.0100)	0.00140 B
Lead	0.3	0.00260 B	NA	0.00250 B	0.00540
Nickel	1	ND(0.040)	NA	ND(0.040)	ND(0.040)
Selenium	0.8	ND(0.00500) J	NA	ND(0.00500) J	ND(0.00500) J
Silver	0.4	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Sulfide	Not Listed	ND(5.00)	NA	ND(5.00)	ND(5.00)
Vanadium	20	0.00600 B	NA	0.00210 B	ND(0.0500)
Zinc	20	0.00450 B	NA	0.00640 B	0.00890 B
Inorganics-Filtered					
Antimony	3	ND(0.0600)	NA	ND(0.0600)	ND(0.0600)
Arsenic	4	0.0120	NA	ND(0.0100)	0.00370 B
Barium	100	0.140 B	NA	0.0320 B	0.260
Beryllium	0.5	ND(0.00100)	NA	ND(0.00100)	0.00290
Cadmium	0.1	0.000660 B	NA	ND(0.00500)	0.00310 B
Chromium	20	ND(0.0100)	NA	ND(0.0100)	0.00360 B
Cobalt	Not Listed	ND(0.0500)	NA	ND(0.0500)	0.00640 B
Copper	Not Listed	0.00160 B	NA	0.00140 B	0.00290 B
Cyanide	2	0.00390 B	NA	ND(0.0100)	0.00230 B
Lead	0.3	ND(0.0030)	NA	ND(0.00300)	ND(0.0030)
Nickel	1	ND(0.0400)	NA	ND(0.0400)	0.00720 B
Selenium	0.8	ND(0.00500) J	NA	ND(0.00500) J	0.00820 J
Silver	0.4	ND(0.00500)	NA	ND(0.00500)	0.00270 B
Vanadium	20	0.00460 B	NA	0.00200 B	0.00320 B
Zinc	20	ND(0.0200)	NA	ND(0.0030)	0.0130 B

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	GMA3-7 10/19/05	GMA3-8 10/18/05	GMA3-9 10/18/05	OBG-2 10/19/05
Volatile Organics					
1,1-Dichloroethane	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzene	70	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0025 J
Carbon Tetrachloride	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	10	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Ethylbenzene	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Tetrachloroethene	50	ND(0.0020)	ND(0.0020) J [ND(0.0020) J]	ND(0.0020) J	ND(0.0020)
Toluene	100	0.0015 J	ND(0.0050) [ND(0.0050)]	0.0012 J	0.0016 J
Vinyl Chloride	100	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	0.0015 J
Xylenes (total)	100	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	0.00019	NA	NA	NA
Total PCBs	0.005	0.00019	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.000083	NA	NA	NA
Total PCBs	0.005	0.000083	NA	NA	NA
Semivolatile Organics					
1,2-Dichlorobenzene	100	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,3-Dichlorobenzene	100	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,3-Dinitrobenzene	Not Listed	ND(0.010) J	NA	NA	NA
1,4-Dichlorobenzene	100	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Chlorophenol	100	ND(0.010)	NA	NA	NA
2-Methylnaphthalene	100	ND(0.010)	NA	NA	NA
2-Nitrophenol	Not Listed	ND(0.010)	NA	NA	NA
Acenaphthene	50	ND(0.010)	NA	NA	NA
Anthracene	30	ND(0.010)	NA	NA	NA
Dibenzofuran	Not Listed	ND(0.010)	NA	NA	NA
Fluoranthene	3	ND(0.010)	NA	NA	NA
Fluorene	30	ND(0.010)	NA	NA	NA
Hexachlorobutadiene	0.9	ND(0.0010)	NA	NA	NA
Naphthalene	60	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Phenanthrene	3	ND(0.010)	NA	NA	NA
Phenol	100	ND(0.010)	NA	NA	NA
Pyrene	30	ND(0.010)	NA	NA	NA
Organochlorine Pesticides					
None Detected	Not Listed	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	Not Listed	NA	NA	NA	NA
Herbicides					
None Detected	Not Listed	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000041) X	NA	NA	NA
TCDFs (total)	Not Listed	ND(0.0000000022)	NA	NA	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050)	NA	NA	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050)	NA	NA	NA
PeCDFs (total)	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050)	NA	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	NA	NA	NA
HxCDFs (total)	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050)	NA	NA	NA
HpCDFs (total)	Not Listed	ND(0.0000000050)	NA	NA	NA
OCDF	Not Listed	ND(0.000000010)	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	GMA3-7 10/19/05	GMA3-8 10/18/05	GMA3-9 10/18/05	OBG-2 10/19/05
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000038)	NA	NA	NA
TCDDs (total)	Not Listed	ND(0.0000000038)	NA	NA	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050)	NA	NA	NA
PeCDDs (total)	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050)	NA	NA	NA
HxCDDs (total)	Not Listed	ND(0.0000000050)	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050)	NA	NA	NA
HpCDDs (total)	Not Listed	ND(0.0000000050)	NA	NA	NA
OCDD	Not Listed	ND(0.000000016)	NA	NA	NA
Total TEQs (WHO TEFs)	0.000001	0.0000000078	NA	NA	NA
Inorganics-Unfiltered					
Antimony	3	ND(0.0600)	NA	NA	NA
Arsenic	4	ND(0.0100)	NA	NA	NA
Barium	100	0.120 B	NA	NA	NA
Beryllium	0.5	ND(0.00100)	NA	NA	NA
Cadmium	0.1	ND(0.00500)	NA	NA	NA
Chromium	20	0.000900 B	NA	NA	NA
Cobalt	Not Listed	ND(0.0500)	NA	NA	NA
Copper	Not Listed	0.00150 B	NA	NA	NA
Cyanide	2	ND(0.0100)	NA	NA	NA
Lead	0.3	0.00260 B	NA	NA	NA
Nickel	1	ND(0.0400)	NA	NA	NA
Selenium	0.8	ND(0.00500) J	NA	NA	NA
Silver	0.4	ND(0.00500)	NA	NA	NA
Sulfide	Not Listed	ND(5.00)	NA	NA	NA
Vanadium	20	0.00220 B	NA	NA	NA
Zinc	20	ND(0.0200)	NA	NA	NA
Inorganics-Filtered					
Antimony	3	ND(0.0600)	NA	NA	NA
Arsenic	4	ND(0.0100)	NA	NA	NA
Barium	100	0.120 B	NA	NA	NA
Beryllium	0.5	ND(0.00100)	NA	NA	NA
Cadmium	0.1	0.000560 B	NA	NA	NA
Chromium	20	ND(0.0100)	NA	NA	NA
Cobalt	Not Listed	ND(0.0500)	NA	NA	NA
Copper	Not Listed	ND(0.0250)	NA	NA	NA
Cyanide	2	0.00260 B	NA	NA	NA
Lead	0.3	ND(0.00300)	NA	NA	NA
Nickel	1	ND(0.0400)	NA	NA	NA
Selenium	0.8	ND(0.00500) J	NA	NA	NA
Silver	0.4	ND(0.00500)	NA	NA	NA
Vanadium	20	0.00200 B	NA	NA	NA
Zinc	20	ND(0.0200)	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.
8. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, pesticides, herbicides, dioxin/furans

J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.
X - Estimated maximum possible concentration.

Inorganic

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
J - Indicates that the associated numerical value is an estimated concentration.

TABLE 9
PROPOSED GROUNDWATER QUALITY MONITORING PROGRAM - SPRING 2006
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Well Designation / Analytical Category	Sampling Schedule	Analyses	Basis for Inclusion or Exclusion/Comments
2A	Natural Attenuation	Annual (1)	See Note 4	No changes to the natural attenuation monitoring program are proposed for spring 2006.
6B-R	GW-3 Perimeter	Annual (2)	VOC	Interim sampling and analysis proposed to assess increase in VOC concentrations observed in fall 2005.
16A	Natural Attenuation	Annual (1)	See Note 4	No changes to the natural attenuation monitoring program are proposed for spring 2006.
16B-R	GW-2 Sentinel/Natural Attenuation	Annual (1)	See Note 5	No exceedances/near exceedances of GW-2 standards observed during baseline program. Interim sampling proposed to support natural attenuation monitoring program.
16C-R	Natural Attenuation	Annual (1)	See Note 5	No changes to the natural attenuation monitoring program are proposed for spring 2006.
39B-R	Natural Attenuation	Annual (1)	See Note 4	No changes to the natural attenuation monitoring program are proposed for spring 2006.
39D-R	Natural Attenuation	Annual (1)	See Note 5	Replacement for well 39D to be installed in spring 2006.
39E	Natural Attenuation	Annual (1)	See Note 5	No changes to the natural attenuation monitoring program are proposed for spring 2006.
43A	Natural Attenuation	Annual (1)	See Note 5	No changes to the natural attenuation monitoring program are proposed for spring 2006.
43B	Natural Attenuation	Annual (1)	See Note 5	No changes to the natural attenuation monitoring program are proposed for spring 2006.
51-14	GW-2 Sentinel	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
54B-R	GW-3 Perimeter	Semi-Annual (3)	See Note 6	Additional baseline samples to be collected (sampling schedule to be re-evaluated after fourth sample set collected).

TABLE 9
PROPOSED GROUNDWATER QUALITY MONITORING PROGRAM - SPRING 2006
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Well Designation / Analytical Category	Sampling Schedule	Analyses	Basis for Inclusion or Exclusion/Comments
78B-R	GW-3 Perimeter	None	None	Average chlorobenzene concentration is greater than the GW-3 Standard. Interim sampling is proposed to be deferred until long-term monitoring program is implemented.
82B-R	GW-3 Perimeter	Semi-Annual (3)	See Note 6	Additional baseline samples to be collected (sampling schedule to be re-evaluated after fourth sample set collected).
89A	Natural Attenuation	Annual (1)	See Note 4	No changes to the natural attenuation monitoring program are proposed for spring 2006.
89B	GW-3 Perimeter/Natural Attenuation	Annual (1)	See Note 4	Interim sampling proposed to support natural attenuation monitoring program.
89D-R	Natural Attenuation	Annual (1)	See Note 5	No changes to the natural attenuation monitoring program are proposed for spring 2006.
90A	Natural Attenuation	Annual (1)	See Note 5	No changes to the natural attenuation monitoring program are proposed for spring 2006.
90B	GW-3 Perimeter/Natural Attenuation	Annual (1)	See Note 5	Interim sampling proposed to support natural attenuation monitoring program.
95A	Natural Attenuation	Annual (1)	See Note 4	No changes to the natural attenuation monitoring program are proposed for spring 2006.
95B-R	GW-3 Perimeter/Natural Attenuation	Semi-Annual (1,3)	See Note 7	Additional baseline samples to be collected (sampling schedule to be re-evaluated after fourth sample set collected).
111A-R	Natural Attenuation	Annual (1)	See Note 5	No changes to the natural attenuation monitoring program are proposed for spring 2006.
111B-R	GW-3 Perimeter/Natural Attenuation	Semi-Annual (1,3)	See Note 8	Additional baseline samples to be collected (sampling schedule to be re-evaluated after fourth sample set collected).
114A	Natural Attenuation	Annual (1)	See Note 5	No changes to the natural attenuation monitoring program are proposed for spring 2006.

TABLE 9
PROPOSED GROUNDWATER QUALITY MONITORING PROGRAM - SPRING 2006
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GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Well Designation / Analytical Category	Sampling Schedule	Analyses	Basis for Inclusion or Exclusion/Comments
114B-R	GW-3 Perimeter/Natural Attenuation	Annual (1,3)	See Note 9	Additional PCB samples to be collected to complete baseline data set.
115A	Natural Attenuation	Annual (1)	See Note 5	Proposed to be added to the natural attenuation monitoring program in spring 2006.
115B	Natural Attenuation	Annual (1)	See Note 5	Proposed to be added to the natural attenuation monitoring program in spring 2006.
GMA3-1	GW-3 Perimeter	None	None	Installation of this well has been deferred until re-routing of Unkamet Brook is completed.
GMA3-2	GW-2 Sentinel	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA3-3	GW-3 Perimeter	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA3-4	GW-2 Sentinel	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA3-5	GW-2 Sentinel/ GW-3 Perimeter	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA3-6	GW-2 Sentinel/ GW-3 Source Area Sentinel	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA3-7	GW-2 Sentinel/ GW-3 Perimeter	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA3-8	GW-2 Sentinel	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA3-9	GW-2 Sentinel	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

TABLE 9
PROPOSED GROUNDWATER QUALITY MONITORING PROGRAM - SPRING 2006
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Well Designation / Analytical Category	Sampling Schedule	Analyses	Basis for Inclusion or Exclusion/Comments
OBG-2	GW-2 Sentinel	None	None	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

Notes:

1. Wells sampled under the natural attenuation monitoring program are sampled on an annual basis in the spring. Following the spring 2006 sampling event, GE may propose an alternate sampling schedule relative to this program. That proposal will also evaluate the need for interim groundwater sampling at the natural attenuation monitoring points that also serve as GW-2 or GW-3 compliance points.
2. Well 6B-R, proposed for annual groundwater quality sampling, will be sampled for the listed parameters during the interim period between the completion of the baseline monitoring program and the initiation of a long-term monitoring program. The sampling schedule will alternate between the spring and fall seasons each year, beginning with spring 2006.
3. Wells included for additional sampling round or rounds on a semi-annual basis until four sampling rounds are completed. Each well will be further assessed for inclusion or exclusion from the interim groundwater monitoring program after the fourth baseline sampling event.
4. Samples proposed to be analyzed for: VOCs, two SVOCs (2-chlorophenol and 4-chlorophenol), and for Natural Attenuation Parameters (methane, ethane, ethene, chloride, nitrate, nitrite, alkalinity, dissolved organic carbon, sulfate, and dissolved iron).
5. Samples proposed to be analyzed for: VOCs and for Natural Attenuation Parameters (methane, ethane, ethene, chloride, nitrate, nitrite, alkalinity, dissolved organic carbon, sulfate, and dissolved iron).
6. Samples proposed to be analyzed for: VOCs, SVOCs, Pesticides/Herbicides; PCBs (filtered & unfiltered samples); Dioxins/Furans; and Inorganics [metals(filtered & unfiltered samples), cyanide(filtered & unfiltered samples), & sulfide].
7. Samples proposed to be analyzed for: VOCs, SVOCs (including 4-Chlorophenol), Pesticides/Herbicides, PCBs (filtered & unfiltered samples), Dioxins/Furans, Inorganics [metals(filtered & unfiltered samples), cyanide(filtered & unfiltered samples), & sulfide], and for Natural Attenuation Parameters (methane, ethane, ethene, chloride, nitrate, nitrite, alkalinity, dissolved organic carbon, sulfate, and dissolved iron).
8. Samples proposed to be analyzed for: VOCs , SVOCs, PCBs (filtered & unfiltered samples), Dioxins/Furans, Inorganics [metals(filtered & unfiltered samples), cyanide(filtered & unfiltered samples), & sulfide], and for Natural Attenuation Parameters (methane, ethane, ethene, chloride, nitrate, nitrite, alkalinity, dissolved organic carbon, sulfate, and dissolved iron).
9. Samples proposed to be analyzed for: VOCs, PCBs (filtered & unfiltered samples), and for Natural Attenuation Parameters (methane, ethane, ethene, chloride, nitrate, nitrite, alkalinity, dissolved organic carbon, sulfate, and dissolved iron).

TABLE 10
PROPOSED GROUNDWATER ELEVATION / NAPL MONITORING SCHEDULE
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Current Monitoring Frequency (1)	Proposed Monitoring Frequency (1)	Manual NAPL Removal Criteria (2)	Comments
GMA 3 Monitoring Wells				
2A	Quarterly	Semi-Annual	Any Recoverable	
6B-R	Quarterly	Semi-Annual	Any Recoverable	
16A	Quarterly	Semi-Annual	Any Recoverable	
16B-R	Quarterly	Semi-Annual	Any Recoverable	
16C-R	Quarterly	Semi-Annual	Any Recoverable	
39B-R	Quarterly	Semi-Annual	Any Recoverable	
39D/39D-R	Quarterly	Semi-Annual	Any Recoverable	Well 39D-R will be installed as a replacement for well 39D.
39E	Quarterly	Semi-Annual	Any Recoverable	
43A	Quarterly	Semi-Annual	Any Recoverable	
43B	Quarterly	Semi-Annual	Any Recoverable	
50B	Quarterly	Semi-Annual	Any Recoverable	
51-05	Monthly	Monthly	Standard Criteria	
51-06	Monthly	Monthly	Standard Criteria	
51-07	Monthly	Monthly	Standard Criteria	
51-08	Weekly	Weekly	Standard Criteria	
51-09	Monthly	Monthly	Standard Criteria	
51-11	Monthly	Monthly	Standard Criteria	
51-12	Monthly	Monthly	Standard Criteria	
51-13	Monthly	Monthly	Standard Criteria	
51-14	Monthly	Monthly	Standard Criteria	
51-15	Monthly	Monthly	Standard Criteria	
51-16R	Monthly	Monthly	Standard Criteria	
51-17	Monthly	Monthly	Standard Criteria	
51-18	Monthly	Monthly	Standard Criteria	

TABLE 10
PROPOSED GROUNDWATER ELEVATION / NAPL MONITORING SCHEDULE
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Current Monitoring Frequency (1)	Proposed Monitoring Frequency (1)	Manual NAPL Removal Criteria (2)	Comments
51-19	Monthly	Monthly	Standard Criteria	
51-21	Quarterly	Quarterly	Any Recoverable	LNAPL skimmer present in well.
54B-R	Quarterly	Semi-Annual	Any Recoverable	
59-01	Monthly	Monthly	Standard Criteria	
59-03R	Monthly	Monthly	Standard Criteria	
59-07	Monthly	Monthly	Standard Criteria	
78B-R	Quarterly	Semi-Annual	Any Recoverable	
82B-R	Quarterly	Semi-Annual	Any Recoverable	
89A	Quarterly	Semi-Annual	Any Recoverable	
89B	Quarterly	Semi-Annual	Any Recoverable	
89D-R	Quarterly	Semi-Annual	Any Recoverable	
90A	Quarterly	Semi-Annual	Any Recoverable	
90B	Quarterly	Semi-Annual	Any Recoverable	
95A	Quarterly	Semi-Annual	Any Recoverable	
95B-R	Quarterly	Semi-Annual	Any Recoverable	
111A-R	Quarterly	Semi-Annual	Any Recoverable	
111B-R	Quarterly	Semi-Annual	Any Recoverable	
114A	Quarterly	Semi-Annual	Any Recoverable	
114B-R	Quarterly	Semi-Annual	Any Recoverable	
115A	None	Semi-Annual	Any Recoverable	Proposed to be added to the natural attenuation monitoring program in spring 2006.
115B	None	Semi-Annual	Any Recoverable	Proposed to be added to the natural attenuation monitoring program in spring 2006.
GMA3-1	None	Semi-Annual	Any Recoverable	Installation of this well has been deferred until re-routing of Unkamet Brook is completed.
GMA3-2	Quarterly	Semi-Annual	Any Recoverable	
GMA3-3	Quarterly	Semi-Annual	Any Recoverable	
GMA3-4	Quarterly	Semi-Annual	Any Recoverable	

TABLE 10
PROPOSED GROUNDWATER ELEVATION / NAPL MONITORING SCHEDULE
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Current Monitoring Frequency (1)	Proposed Monitoring Frequency (1)	Manual NAPL Removal Criteria (2)	Comments
GMA3-5	Quarterly	Semi-Annual	Any Recoverable	
GMA3-6	Quarterly	Semi-Annual	Any Recoverable	
GMA3-7	Quarterly	Quarterly	Any Recoverable	Will be monitored in place of UB-PZ-1.
GMA3-8	Quarterly	Semi-Annual	Any Recoverable	
GMA3-9	Quarterly	Semi-Annual	Any Recoverable	
GMA3-10	Monthly	Monthly	Standard Criteria	
GMA3-11	Monthly	Monthly	Any Recoverable	
GMA3-12	Monthly	Monthly	Standard Criteria	
GMA3-13	Weekly	Weekly	Standard Criteria	
GMA3-14	Monthly	Monthly	Any Recoverable	
GMA3-15	None	Quarterly	Any Recoverable	Well GMA3-15 will be installed as a replacement for piezometer UB-PZ-2.
OBG-2	Quarterly	Semi-Annual	Any Recoverable	
UB-MW-10	Monthly	Monthly	Any Recoverable	
UB-PZ-1	Quarterly	None	Not Applicable	Piezometer has been destroyed. Nearby well GMA3-7 will be monitored.
UB-PZ-2	Quarterly	None	Not Applicable	Piezometer has been destroyed. Well GMA3-15 will be installed and monitored.
UB-PZ-3	Monthly	Monthly	Any Recoverable	
GMA 4 Monitoring Well				
GMA4-3	Monthly	Monthly	Any Recoverable	

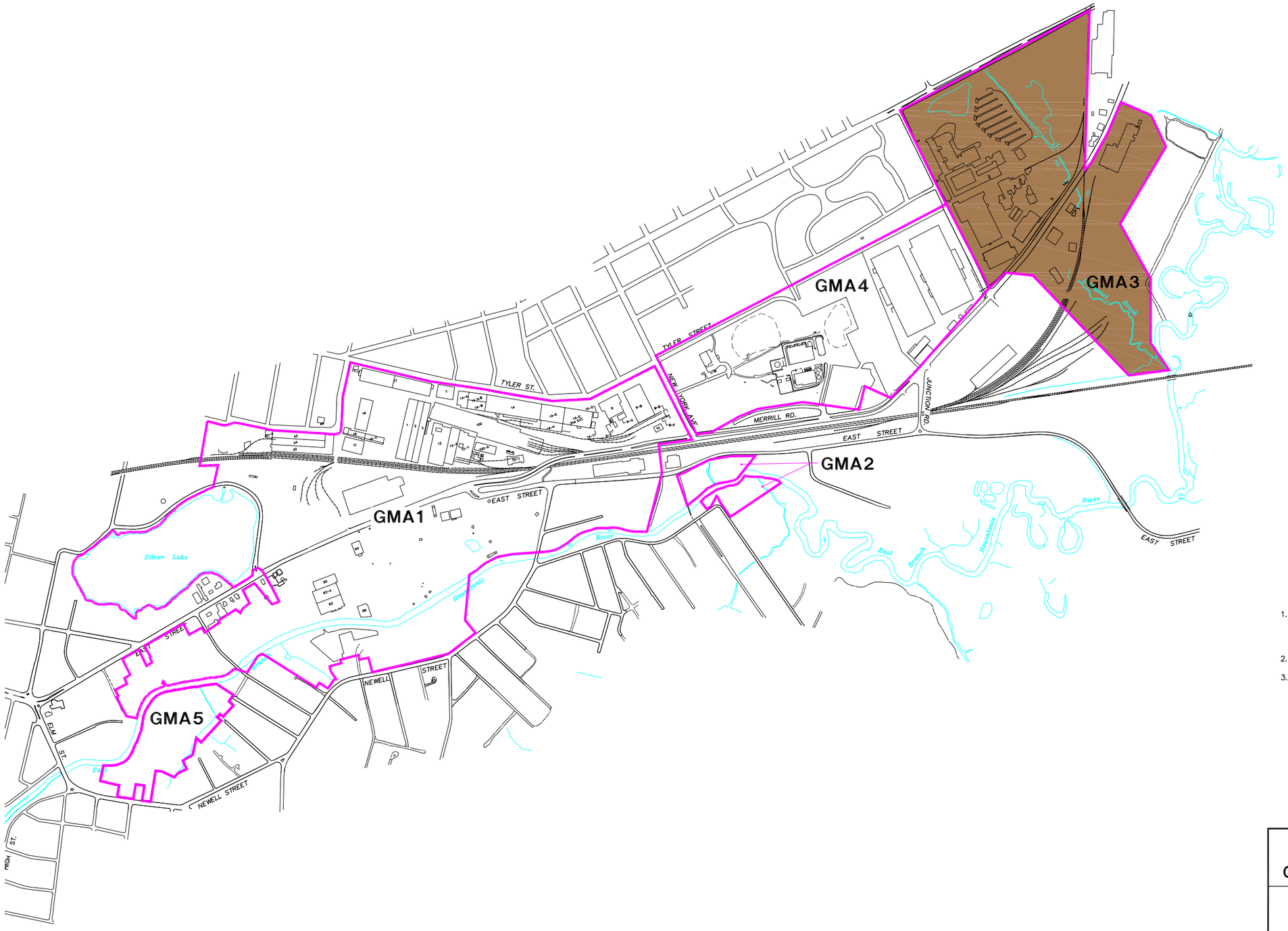
TABLE 10
PROPOSED GROUNDWATER ELEVATION / NAPL MONITORING SCHEDULE
BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Current Monitoring Frequency (1)	Proposed Monitoring Frequency (1)	Manual NAPL Removal Criteria (2)	Comments
GMA 3 Staff Gauges				
GMA3-SG-1	Quarterly	Semi-Annual	Not Applicable	
GMA3-SG-2	Quarterly	Semi-Annual	Not Applicable	
GMA3-SG-3	Quarterly	Semi-Annual	Not Applicable	
GMA3-SG-4	Quarterly	Semi-Annual	Not Applicable	

Notes:

1. Monitoring consists of periodic depth to water and NAPL thickness measurements, if present and may also consist of manual removal of NAPL if a thickness greater than the well-specific criteria is observed during a monitoring event.
2. Standard LNAPL Removal Criteria: LNAPL is manually removed from a well with this designation if a thickness of greater than 0.25 feet is observed during a monitoring event. At other wells, any recoverable quantities of LNAPL will be removed (except at well 51-21, which is equipped with an automated skimmer).
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.

Figures



LEGEND:

GMA1	GMA 1–PLANT SITE 1
GMA2	GMA 2–FORMER OXBOWS J&K
GMA3	GMA 3–PLANT SITE 2
GMA4	GMA 4–PLANT SITE 3
GMA5	GMA 5–FORMER OXBOWS A&C

GENERAL 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 & BOUCK ENGINEERS, P.C. P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES/LIMITS ARE APPROXIMATE.

0 500' 1000'
APPROXIMATE SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

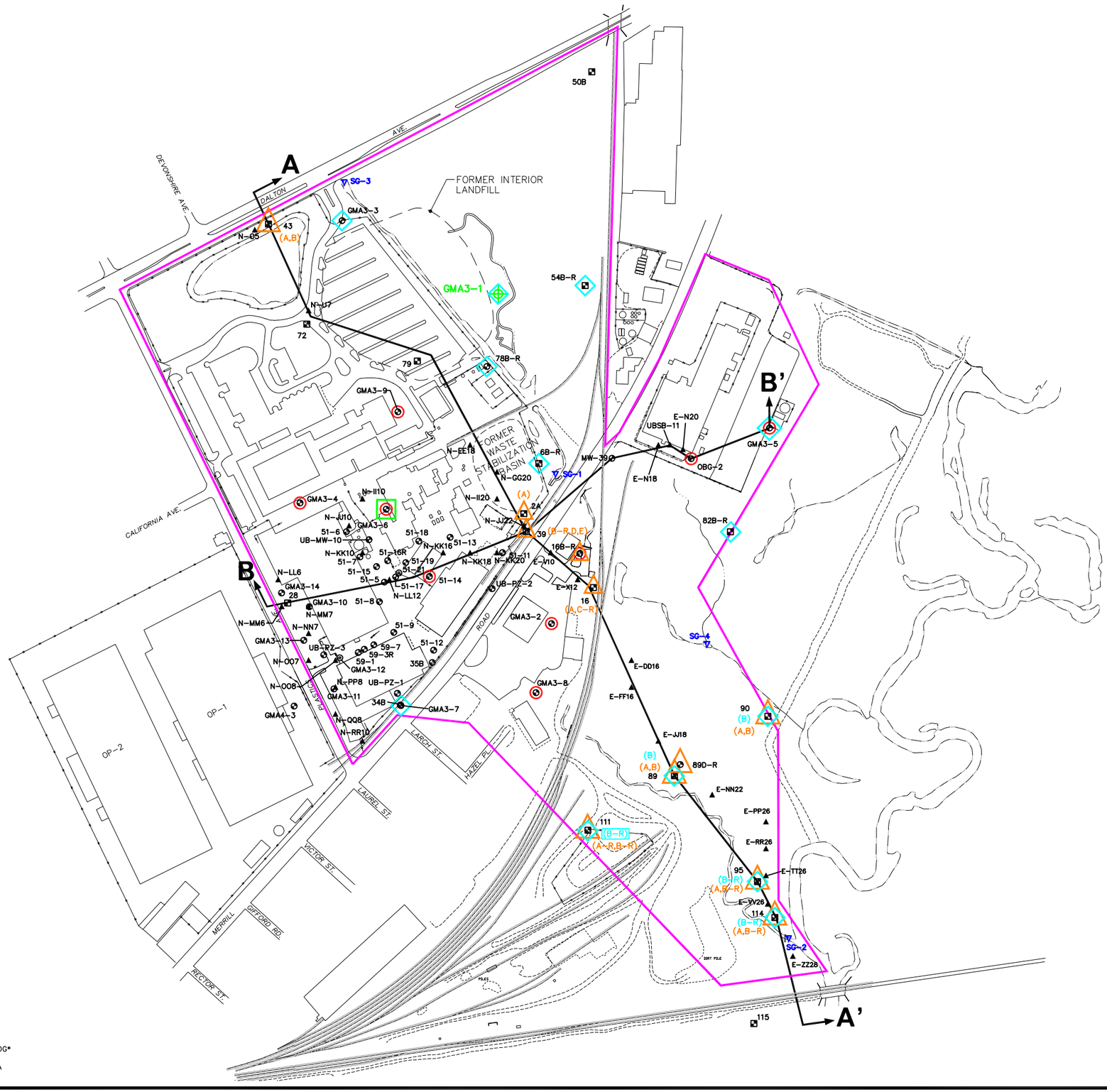
GMA 3 BASELINE MONITORING PROGRAM

GROUNDWATER MANAGEMENT AREAS

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

FIGURE 1

X: 20186X10.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-DL
2/27/06 SYR-85-LJP DMW RCA
C/20186002/FALL05/20186G01.DWG



LEGEND:

- SITE BOUNDARY
- FENCING
- UBSB–11 ▲ EXISTING SOIL BORING
- 51–6 ⊙ EXISTING MONITORING WELL
- 57 ⊡ EXISTING MONITORING WELL CLUSTER
- 51–21 ◎ NAPL RECOVERY WELL (SKIMMER)
- GMA3–1 ⊕ PROPOSED MONITORING WELL
- SG–1 ▽ SURFACE WATER STAFF GAUGE
- GW–2 SENTINEL/COMPLIANCE WELL
- GW–3 PERIMETER WELL
- NATURAL ATTENUATION MONITORING WELL
- GENERAL/SOURCE AREA SENTINEL WELL (GW–3)
- A / A' CROSS SECTION LOCATION
- GMA3–1 ⊕ PROPOSED MONITORING WELL

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.
4. FOR WELL CLUSTERS SUBJECT TO DIFFERING MONITORING REQUIREMENTS, THE SPECIFIC WELL INCLUDED FOR EACH TYPE OF MONITORING IS PROVIDED IN PARENTHESES.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

GMA 3 BASELINE MONITORING PROGRAM

SITE PLAN

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

FIGURE 2

X: 20186X02.DWG
L: ON=*, OFF=*REF*, |NAME–BLDG*
P: PAGESET/SYR–BL
2/27/06 SYR–85–NJR DMW RCA
C/20186002/20186G06.DWG

NORTH **A** — **A'** SOUTH

ELEVATION IN FEET ABOVE MEAN SEA LEVEL

1,000 — 950 — 900 — 850 — 800

43	72	79*																								
RAA10-N-05	RAA10-N-U7		RAA10-N-EE18	RAA10-N-GG20	RAA10-N-II20	RAA10-N-JJ22	39B-R	39	RAA10-E-V10	RAA10-E-X12	16	RAA10-E-Z14	RAA10-E-DD16	RAA10-E-FF16	RAA10-E-JJ16	89	RAA10-E-NN22	RAA10-E-PP26	95	RAA10-E-RR26	RAA10-E-TT26	114	RAA10-E-VV26	RAA10-E-ZZ28	115	
988.57						986.92				986.45					983.77			979.13				980.27				

- sand, gravel and silt FILL
- FILL
- med. to coarse SAND
- SILT and ORGANICS with sand and gravel lenses
- PEAT
- SILT with fine sand lenses
- PEAT
- med. to fine SAND, trace gravel
- SAND with silt and gravel lenses
- SILT
- coarse SAND with gravel lenses
- medium to fine SAND, trace gravel
- fine to medium SAND some silt
- SILT and SAND with coarse sand and gravel lenses
- coarse SAND, some fine gravel
- fine to coarse SAND, some gravel and cobbles
- HOUSATONIC RIVER
- fine to medium SAND
- medium to coarse SAND
- fine SAND, trace gravel
- NO DATA
- fine SAND, trace gravel
- NO DATA
- TILL

LEGEND:

WELL CLUSTER NUMBER → 16 RAA10-N-05 ← SOIL BORING NUMBER

SCREEN INTERVAL (DEPTH FROM SURFACE) → (15–20') B

SOIL BORING

WATER TABLE ELEVATION (B-SERIES WELLS) (OCTOBER 2005)

(45–50') A

(56–66' OR 70–75') D

(95–100') C

(225–235' OR 145–150') E

0 — 325' — 650'

GRAPHIC SCALE

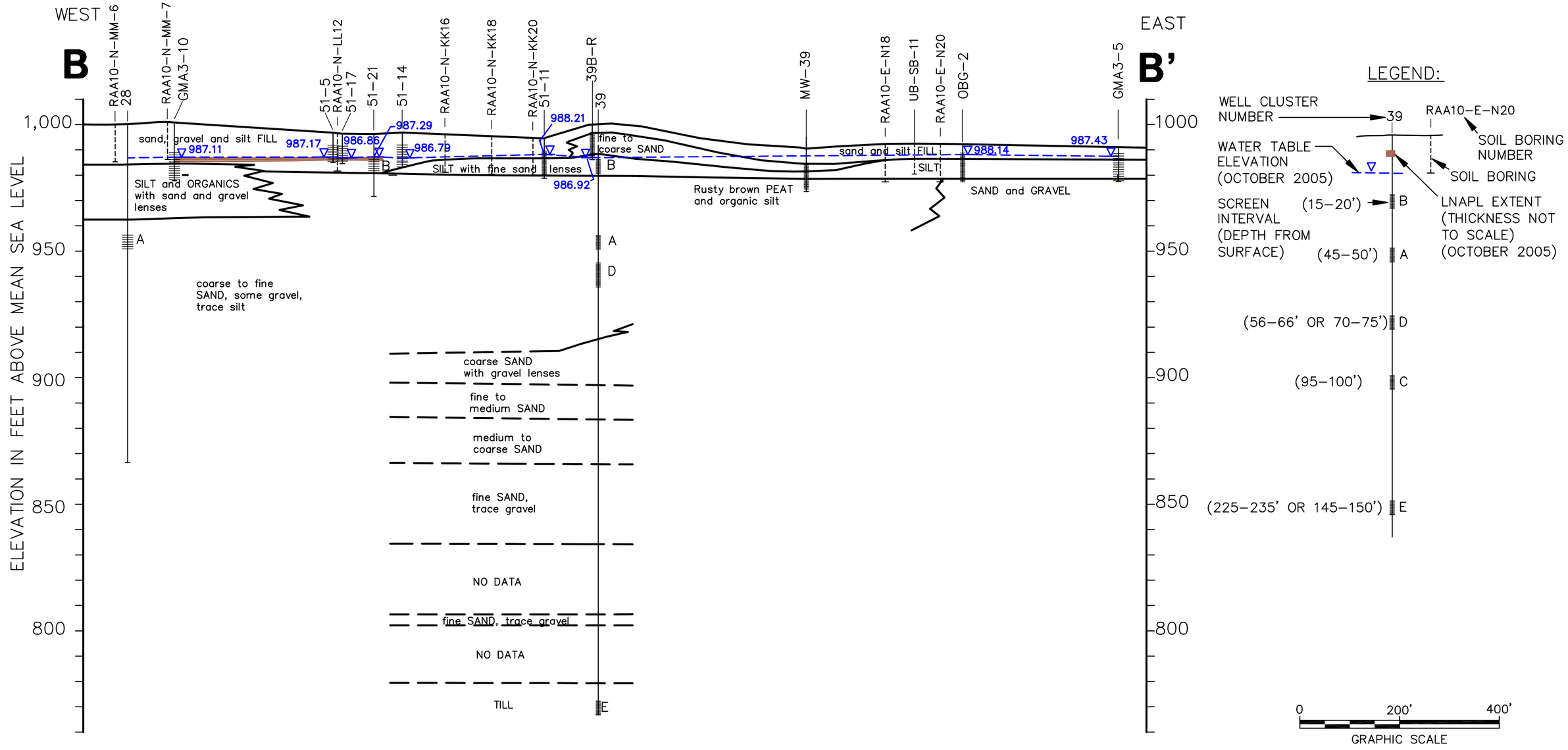
L: ON=*, OFF=*REF*
P: PAGESET/BL1
2/27/06 SYR-85-RCB DMW RCA
C/20186002/FALL05/20186V03.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

GENERALIZED GEOLOGIC CROSS-SECTION A-A'

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

FIGURE **3**



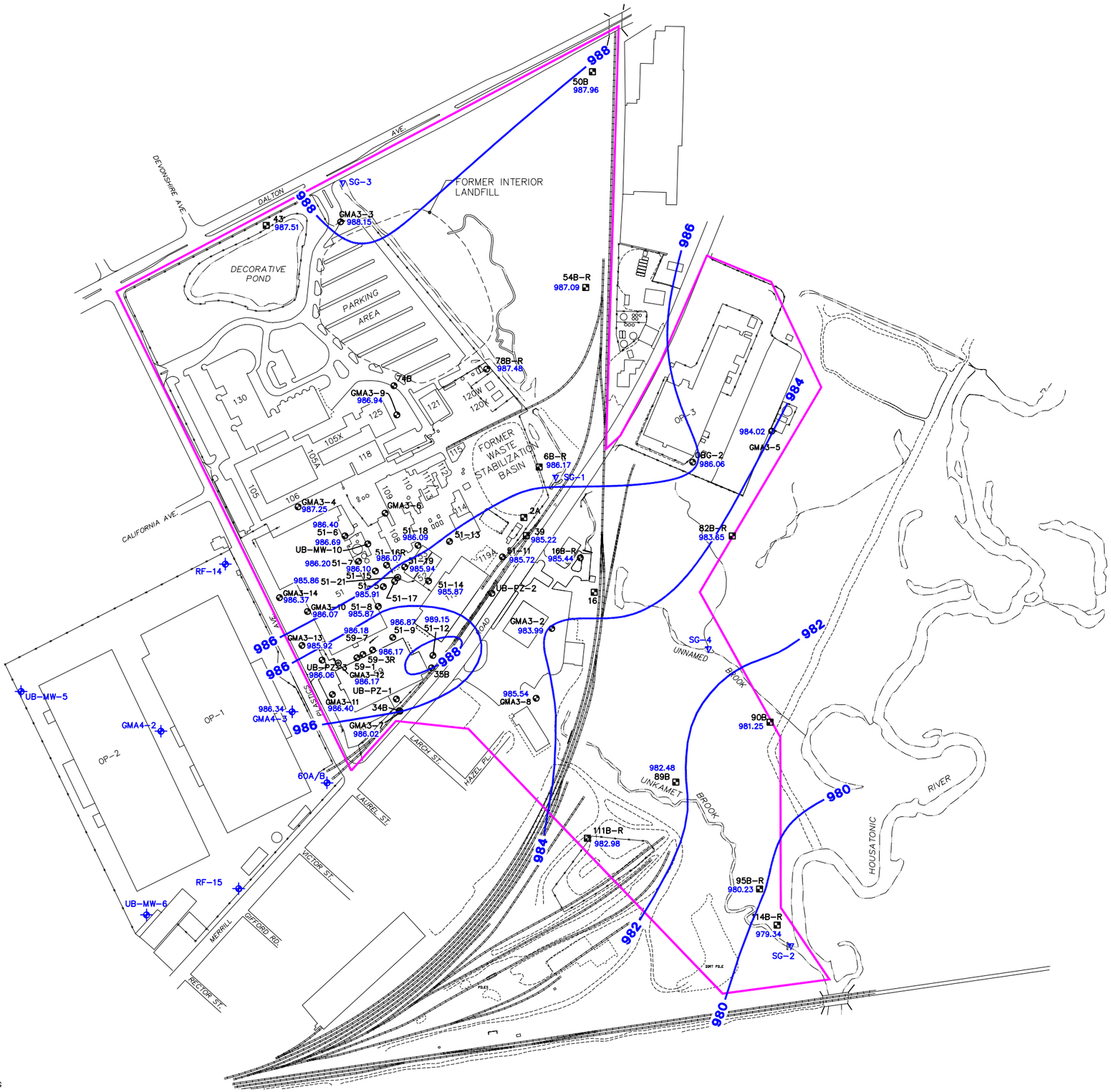
L: ON=*, OFF=*REF*
P: PAGESET/BL
2/27/06 SYR-85-RCB DMW RCA
C/20186002/FALL05/20186V02.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

GENERALIZED GEOLOGIC CROSS-SECTION B-B'

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

FIGURE 4



LEGEND:

- SITE BOUNDARY
- FENCING
- 51–14 EXISTING MONITORING WELL
- 54B EXISTING MONITORING WELL CLUSTER
- 51–21 NAPL RECOVERY WELL (SKIMMER)
- SG–1 SURFACE WATER STAFF GAUGE
- GMA4–2 GMA4 MONITORING WELL
- 986 GROUNDWATER ELEVATION CONTOUR IN FEET (DASHED WHERE INFERRED)
- 986.09 GROUNDWATER ELEVATION IN FEET

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.
4. FOR WELL CLUSTERS, GROUNDWATER ELEVATION DATA FROM THE UPPERMOST WELL (B–SERIES) WAS UTILIZED IN THE PREPARATION OF THIS FIGURE.

0 400' 800'

GRAPHIC SCALE

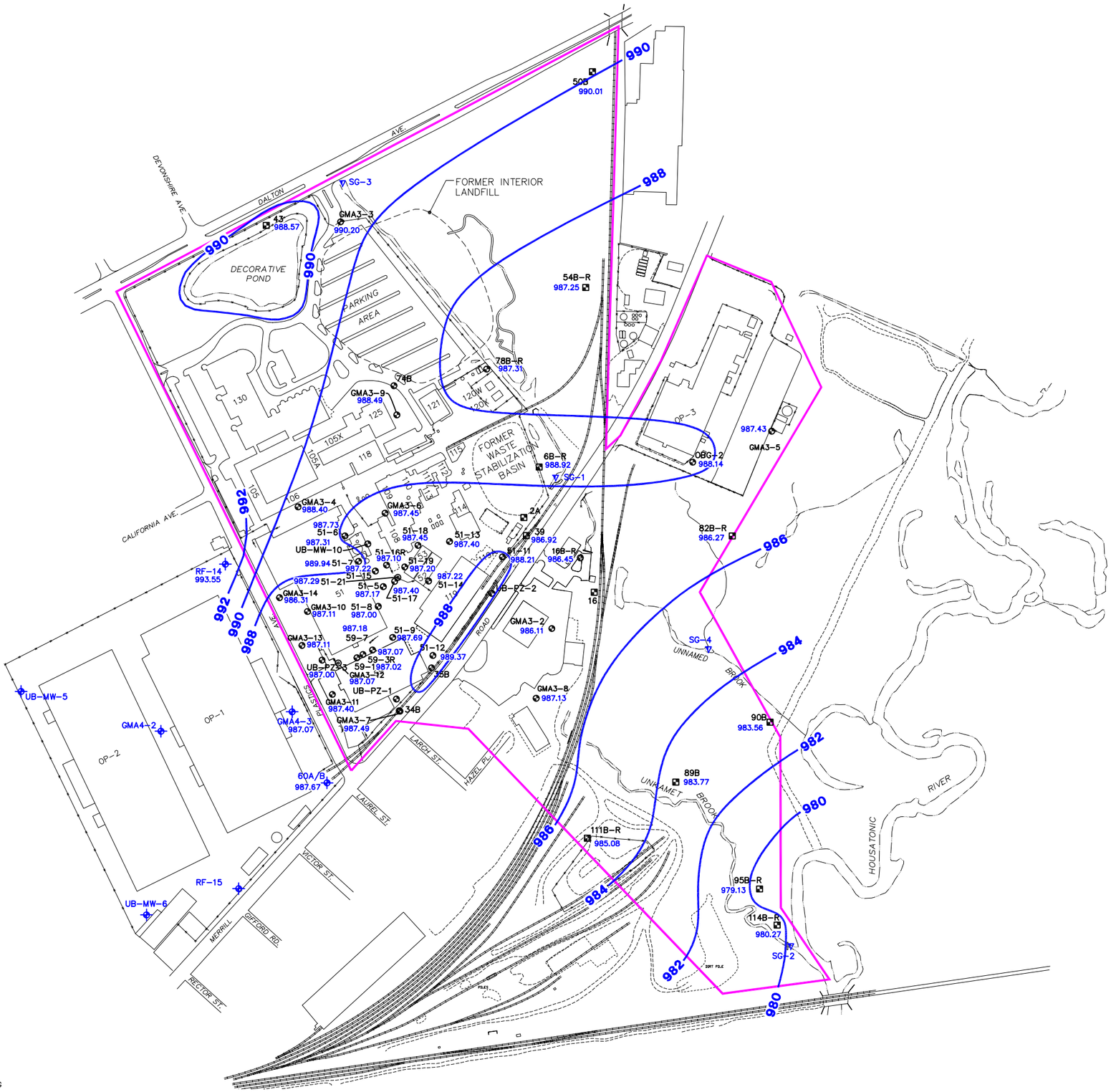
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

GROUNDWATER ELEVATION CONTOUR MAP - SUMMER 2005

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

FIGURE 5

X: 20186X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BL
2/27/06 SYR–85–RCB DMW RCA
C/20186002/FALL05/20186W04.DWG



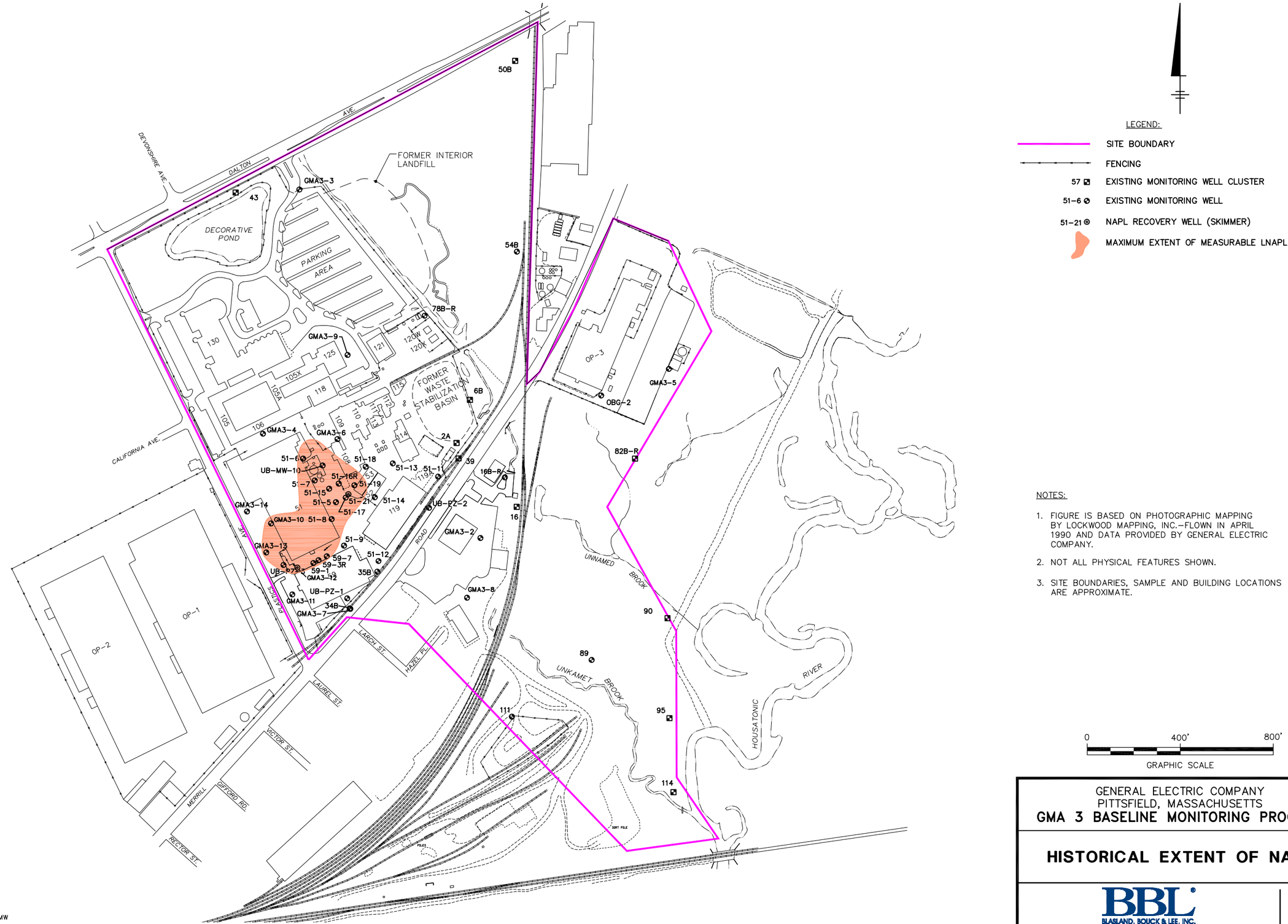
X: 20186X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BL
2/27/06 SYR–85–RCB DMW RCA
C/20186002/FALL05/20186W05.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

GROUNDWATER ELEVATION CONTOUR MAP - FALL 2005

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

FIGURE 6



LEGEND:

- SITE BOUNDARY
- FENCING
- 57 EXISTING MONITORING WELL CLUSTER
- 51–6 EXISTING MONITORING WELL
- 51–21 NAPL RECOVERY WELL (SKIMMER)
- MAXIMUM EXTENT OF MEASURABLE LNAPL

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

HISTORICAL EXTENT OF NAPL

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FIGURE **7**

X: 20186X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BL
08/30/05 SYR-54-PGL WLJ DMW
N/20186002/20186G03.DWG

LEGEND:

- SITE BOUNDARY
- FENCING
- 51–6 — EXISTING MONITORING WELL
- 57 — EXISTING MONITORING WELL CLUSTER
- 51–21 — NAPL RECOVERY WELL (SKIMMER)
- GMA3–1 — BASELINE GROUNDWATER MONITORING WELL LOCATION (PROPOSED WELL)
- SG–1 — SURFACE WATER STAFF GAUGE
- EXTENT OF MEASURABLE LNAPL DURING SPRING 2005 SEMI–ANNUAL MONITORING EVENT

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.
4. AN INSTRUMENT DETECTION OF LNAPL WAS RECORDED AT WELL 51–06 AND GMA3–5, BUT NO LNAPL WAS VISUALLY OBSERVED IN THIS WELL.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 3 BASELINE MONITORING PROGRAM

EXTENT OF LNAPL - FALL 2005 MONITORING EVENT

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

FIGURE **8**

X: 20186X02.DWG
L: ON=*, OFF=*REF*
P: PAGESET/BL
2/27/06 SYR-85-LAF DMW RCA
C/20186002/FALL05/20186G04.DWG

LEGEND:

- SITE BOUNDARY
- FENCING
- 51–6 EXISTING MONITORING WELL
- 57 EXISTING MONITORING WELL CLUSTER
- 51–21 NAPL RECOVERY WELL (SKIMMER)
- SG–1 SURFACE WATER STAFF GAUGE
- GW–2 SENTINEL/COMPLIANCE WELL
- GW–3 PERIMETER WELL
- NATURAL ATTENUATION MONITORING WELL
- WELL TO BE SAMPLED ANNUALLY
- WELL TO BE SAMPLED ON SEMI–ANNUAL BASIS UNTIL FOUR ROUNDS OF SAMPLES (IN TOTAL) ARE COLLECTED
- GMA3–15 PROPOSED MONITORING WELL

NOTES:

1. FIGURE IS BASED ON PHOTOGRAPHIC MAPPING BY LOCKWOOD MAPPING, INC.–FLOWN IN APRIL 1990 AND DATA PROVIDED BY GENERAL ELECTRIC COMPANY.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES, SAMPLE AND BUILDING LOCATIONS ARE APPROXIMATE.
4. FOR WELL CLUSTERS SUBJECT TO DIFFERING MONITORING REQUIREMENTS, THE SPECIFIC WELL INCLUDED FOR EACH TYPE OF MONITORING IS PROVIDED IN PARENTHESES.

0 400' 800'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

GMA 3 BASELINE MONITORING PROGRAM

PROPOSED INTERIM GROUNDWATER MONITORING PROGRAM

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FIGURE 9

X: 20186X02.DWG
L: ON=*, OFF=*REF*, |NAME–BLDG*
P: PAGESET/SYR–BL
2/27/06 SYR–85–RCB DMW RCA
C/20186002/FALL05/20186G05.DWG

Appendices

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Appendix A

Groundwater Elevation and LNAPL Monitoring / Recovery Data

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engineers, scientists, economists

TABLE A-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DAT/
JULY 2005 - DECEMBER 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 200!
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
GMA 3 Monitoring Wells								
002A	994.16	7/25/2005	8.70	---	0.00	55.15	985.46	---
002A	994.16	10/27/2005	6.85	---	0.00	55.06	987.31	---
006B-R	993.62	7/25/2005	7.45	---	0.00	14.73	986.17	---
006B-R	993.62	10/20/2005	6.38	---	0.00	14.80	987.24	---
006B-R	993.62	10/27/2005	4.70	---	0.00	14.80	988.92	---
016A	991.77	7/25/2005	7.68	---	0.00	50.98	984.09	---
016A	991.77	11/7/2005	6.42	---	0.00	50.98	985.35	---
016A	991.77	11/11/05	6.39	---	0.00	51.07	985.38	---
016B-R	994.87	7/25/2005	9.43	---	0.00	16.38	985.44	---
016B-R	994.87	10/20/2005	8.67	---	0.00	16.52	986.20	---
016B-R	994.87	10/28/2005	8.42	---	0.00	16.43	986.45	---
016B-R	994.87	11/11/05	5.88	---	0.00	16.44	988.99	---
016C-R	993.23	7/25/2005	8.55	---	0.00	95.42	984.68	---
016C-R	993.23	9/14/2005	9.16	---	0.00	101.24	984.07	---
016C-R	993.23	10/28/2005	6.70	---	0.00	102.00	986.53	---
016C-R	993.23	11/11/05	7.34	---	0.00	101.05	985.89	---
039B-R	991.97	7/25/2005	6.75	---	0.00	13.82	985.22	---
039B-R	991.97	10/21/2005	5.60	---	0.00	13.86	986.37	---
039B-R	991.97	10/26/2005	5.05	---	0.00	13.90	986.92	---
039D	992.16	7/25/2005	Destroyed	---	---	---	NA	---
039D	992.16	9/14/2005	Destroyed	---	---	---	NA	---
039D	992.16	10/26/2005	Destroyed	---	---	---	NA	---
039E	992.21	7/25/2005	6.15	---	0.00	>151.00	986.06	---
039E	992.21	10/26/2005	4.65	---	0.00	66.00	987.56	---
043A	993.79	7/25/2005	6.02	---	0.00	51.50	987.77	---
043A	993.79	10/27/2005	4.70	---	0.00	51.43	989.09	---
043B	993.61	7/25/2005	6.10	---	0.00	21.43	987.51	---
043B	993.61	10/27/2005	5.04	---	0.00	21.41	988.57	---
050B	991.76	7/25/2005	3.80	---	0.00	15.02	987.96	---
050B	991.76	10/26/2005	1.75	---	0.00	15.10	990.01	---
51-05	996.44	7/20/2005	10.64	10.52	0.12	12.54	985.91	---
51-05	996.44	8/24/2005	12.10	11.18	0.92	12.53	985.20	0.568
51-05	996.44	9/29/2005	11.80	11.56	0.24	12.54	984.86	0.148
51-05	996.44	10/26/2005	9.55	9.25	0.30	12.40	987.17	---
51-05	996.44	11/28/2005	9.76	9.72	0.04	12.53	986.72	---
51-05	996.44	12/27/05	9.71	9.68	0.03	10.58	986.76	---
51-06	997.36	7/20/2005	10.96	---	0.00	14.63	986.40	---
51-06	997.36	8/24/2005	11.60	---	0.00	14.64	985.76	---
51-06	997.36	9/20/2005	11.83	---	0.00	14.60	985.53	---
51-06	997.36	10/25/2005	9.63	---	0.00	14.62	987.73	---
51-06	997.36	11/28/2005	10.06	---	0.00	14.60	987.30	---
51-06	997.36	12/27/05	9.93	---	0.00	14.58	987.43	---
51-07	997.08	7/20/2005	10.88	---	0.00	11.21	986.20	---
51-07	997.08	8/24/2005	DRY	---	---	11.24	< 985.84	---
51-07	997.08	9/20/2005	11.09	---	0.00	11.20	985.99	---
51-07	997.08	10/25/2005	7.14	---	0.00	11.22	989.94	---
51-07	997.08	11/28/2005	Well Is Buried Under Snowpile			---	NA	---
51-07	997.08	12/27/05	Well Is Buried Under Snowpile			---	NA	---
51-08	997.08	7/7/2005	12.00	10.75	1.25	14.66	986.24	0.771
51-08	997.08	7/12/2005	12.00	10.77	1.23	14.67	986.22	0.759

TABLE A-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DAT/
JULY 2005 - DECEMBER 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 200!
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
51-08	997.08	7/20/2005	12.35	10.95	1.40	14.66	986.03	0.864
51-08	997.08	7/28/2005	12.53	11.11	1.42	14.66	985.87	0.876
51-08	997.08	8/4/2005	12.60	11.24	1.36	14.66	985.74	0.839
51-08	997.08	8/11/2005	12.80	11.40	1.40	14.66	985.58	0.864
51-08	997.08	8/18/2005	12.90	11.50	1.40	14.66	985.48	0.869
51-08	997.08	8/24/2005	13.10	11.60	1.50	14.66	985.38	0.925
51-08	997.08	9/8/2005	13.30	11.80	1.50	14.66	985.18	0.925
51-08	997.08	9/16/2005	13.45	11.89	1.56	14.66	985.08	0.962
51-08	997.08	9/21/2005	13.43	11.96	1.47	14.67	985.02	0.907
51-08	997.08	9/29/2005	13.30	11.98	1.32	14.66	985.01	0.814
51-08	997.08	10/5/2005	13.45	12.00	1.45	14.66	984.98	0.895
51-08	997.08	10/12/2005	12.20	10.31	1.89	14.66	986.64	---
51-08	997.08	10/19/2005	11.95	10.04	1.91	14.65	986.91	1.178
51-08	997.08	10/25/2005	10.49	10.05	0.44	14.67	987.00	0.271
51-08	997.08	11/2/2005	10.05	9.90	0.15	14.66	987.17	---
51-08	997.08	11/9/2005	10.24	10.12	0.12	14.68	986.95	---
51-08	997.08	11/16/2005	10.35	10.23	0.12	17.98	986.84	---
51-08	997.08	11/23/2005	10.15	10.10	0.05	14.68	986.98	---
51-08	997.08	11/28/2005	10.19	10.11	0.08	14.68	986.96	---
51-08	997.08	12/7/05	10.89	10.80	0.09	14.68	986.27	---
51-08	997.08	12/14/05	10.13	10.08	0.05	14.67	987.00	---
51-08	997.08	12/21/05	10.40	10.30	0.10	14.70	986.77	---
51-08	997.08	12/27/05	10.20	10.11	0.09	14.68	986.96	---
51-09	997.70	7/20/2005	10.83	---	0.00	11.59	986.87	---
51-09	997.70	8/24/2005	DRY	---	---	11.60	< 986.10	---
51-09	997.70	9/1/2005	13.20	11.74	1.46	14.66	985.86	0.901
51-09	997.70	10/25/2005	10.01	10.00	0.01	11.57	987.69	---
51-09	997.70	11/28/2005	10.05	---	0.00	11.60	987.65	---
51-09	997.70	12/27/05	10.00	---	0.00	11.58	987.70	---
51-11	994.37	7/25/2005	8.65	---	0.00	13.49	985.72	---
51-11	994.37	8/24/2005	9.62	---	0.00	13.52	984.75	---
51-11	994.37	9/20/2005	9.80	---	0.00	13.50	984.57	---
51-11	994.37	10/26/2005	6.16	---	0.00	13.49	988.21	---
51-11	994.37	11/28/2005	7.31	---	0.00	13.50	987.06	---
51-11	994.37	12/27/05	7.00	---	0.00	13.55	987.37	---
51-12	996.55	7/20/2005	7.40	---	0.00	13.30	989.15	---
51-12	996.55	8/24/2005	8.00	---	0.00	13.31	988.55	---
51-12	996.55	9/20/2005	8.00	---	0.00	13.31	988.55	---
51-12	996.55	10/26/2005	7.04	---	0.00	13.35	989.51	---
51-12	996.55	11/28/2005	7.18	---	0.00	13.30	989.37	---
51-12	996.55	12/27/05	7.10	---	0.00	13.31	989.45	---
51-13	997.42	7/25/2005	DRY	---	---	10.02	< 987.40	---
51-13	997.42	8/24/2005	DRY	---	---	10.04	< 987.38	---
51-13	997.42	10/26/2005	10.02	---	---	10.05	987.40	---
51-13	997.42	11/28/2005	DRY	---	---	10.02	< 987.40	---
51-13	997.42	12/27/05	DRY	---	---	10.02	< 987.40	
51-14	996.77	7/20/2005	10.90	---	0.00	14.98	985.87	---
51-14	996.77	8/24/2005	11.62	---	0.00	14.97	985.15	---
51-14	996.77	9/20/2005	11.90	---	0.00	14.94	984.87	---
51-14	996.77	10/20/2005	9.98	---	0.00	15.07	986.79	---
51-14	996.77	10/26/2005	9.55	---	0.00	15.00	987.22	---

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Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
51-14	996.77	11/28/2005	10.05	---	0.00	14.95	986.72	---
51-14	996.77	12/27/05	9.95	---	0.00	14.95	986.82	---
51-15	996.43	7/20/2005	10.48	10.32	0.16	14.50	986.10	---
51-15	996.43	8/24/2005	11.45	10.98	0.47	14.50	985.42	0.290
51-15	996.43	9/29/2005	12.20	11.28	0.92	14.49	985.09	0.568
51-15	996.43	10/26/2005	9.42	9.19	0.23	14.45	987.22	---
51-15	996.43	11/28/2005	9.95	9.40	0.55	14.48	986.99	---
51-15	996.43	12/27/05	9.50	9.42	0.08	14.46	987.00	---
51-16R	996.39	7/20/2005	10.60	10.30	0.30	14.53	986.07	0.185
51-16R	996.39	8/24/2005	11.76	10.97	0.79	14.54	985.36	0.487
51-16R	996.39	9/29/2005	12.05	11.30	0.75	14.56	985.04	0.814
51-16R	996.39	10/25/2005	9.29	---	0.00	14.54	987.10	---
51-16R	996.39	11/28/2005	9.43	9.41	0.02	14.54	986.98	---
51-16R	996.39	12/27/05	9.41	---	0.00	14.55	986.98	---
51-17	996.43	7/20/2005	Well has been paved over		---	---	NA	
51-17	996.43	8/24/2005	Well has been paved over		---	---	NA	---
51-17	996.43	9/14/2005	Well has been paved over		---	---	NA	---
51-17	996.43	10/10/2005	10.80	9.48	1.32	14.48	986.86	0.814
51-17	996.43	10/26/2005	9.10	9.02	0.08	14.52	987.40	---
51-17	996.43	11/28/2005	9.49	9.41	0.08	14.50	987.01	---
51-17	996.43	12/27/05	9.35	9.30	0.05	14.50	987.13	---
51-18	997.12	7/20/2005	11.03	---	0.00	12.58	986.09	---
51-18	997.12	8/24/2005	11.75	---	0.00	12.56	985.37	---
51-18	997.12	9/20/2005	12.01	---	0.00	12.60	985.11	---
51-18	997.12	10/26/2005	9.67	---	0.00	12.60	987.45	---
51-18	997.12	11/28/2005	10.10	---	0.00	12.60	987.02	---
51-18	997.12	12/27/05	10.05	---	0.00	12.60	987.07	---
51-19	996.43	7/20/2005	11.38	10.42	0.96	14.10	985.94	0.592
51-19	996.43	8/24/2005	12.40	11.10	1.30	14.02	985.24	0.802
51-19	996.43	9/29/2005	12.40	11.40	1.00	14.02	984.96	0.617
51-19	996.43	10/26/2005	9.63	9.20	0.43	14.10	987.20	---
51-19	996.43	11/28/2005	9.87	9.55	0.32	14.02	986.86	---
51-19	996.43	12/27/05	9.82	9.55	0.27	14.02	986.86	0.167
51-21	1001.49	7/7/2005	15.33	P	< 0.01	NM	986.16	4.548
51-21	1001.49	7/13/2005	15.30	P	< 0.01	NM	986.19	3.411
51-21	1001.49	7/20/2005	15.48	P	< 0.01	NM	986.01	3.411
51-21	1001.49	7/28/2005	15.65	15.63	0.02	NM	985.86	6.822
51-21	1001.49	8/2/2005	15.75	P	< 0.01	NM	985.74	4.548
51-21	1001.49	8/10/2005	15.95	P	< 0.01	NM	985.54	12.507
51-21	1001.49	8/16/2005	16.03	16.01	0.02	NM	985.48	11.370
51-21	1001.49	8/24/2005	16.18	16.16	0.02	NM	985.33	5.685
51-21	1001.49	8/31/2005	16.21	P	< 0.01	NM	985.28	36.384
51-21	1001.49	9/8/2005	16.28	16.25	0.03	NM	985.24	25.014
51-21	1001.49	9/14/2005	16.38	16.36	0.02	NM	985.13	26.151
51-21	1001.49	9/23/2005	17.60	16.38	1.22	NM	985.02	35.247
51-21	1001.49	9/28/2005	16.55	16.54	0.01	NM	984.95	295.62
51-21	1001.49	10/5/2005	16.51	16.50	0.01	NM	984.99	77.316
51-21	1001.49	10/13/2005	15.20	14.50	0.70	NM	986.94	4.548
51-21	1001.49	10/20/2005	14.60	14.59	0.01	NM	986.90	3.790
51-21	1001.49	10/26/2005	14.20	P	< 0.01	NM	987.29	0.758
51-21	1001.49	11/3/2005	14.35	P	< 0.01	NM	987.14	---

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51-21	1001.49	11/8/2005	14.58	P	< 0.01	NM	986.91	2.274
51-21	1001.49	11/16/2005	14.69	P	< 0.01	NM	986.80	2.274
51-21	1001.49	11/23/2005	14.45	---	0.00	NM	987.04	2.274
51-21	1001.49	11/29/2005	14.45	P	< 0.01	NM	987.04	1.137
51-21	1001.49	12/7/05	14.25	P	< 0.01	NM	987.24	1.137
51-21	1001.49	12/13/05	14.50	P	< 0.01	NM	986.99	2.274
51-21	1001.49	12/21/05	14.65	P	< 0.01	NM	986.84	1.137
51-21	1001.49	12/28/05	14.45	P	< 0.01	NM	987.04	2.274
054B-R	991.49	7/25/2005	4.40	---	0.00	15.50	987.09	---
054B-R	991.49	10/26/2005	Well Submerged		---	---	NA	---
054B-R	991.49	11/7/2005	4.24	---	0.00	15.50	987.25	---
054B-R	991.49	11/10/2005	4.20	---	0.00	15.57	987.29	---
59-01	997.52	7/25/2005	DRY	---	---	11.35	< 986.17	---
59-01	997.52	8/24/2005	DRY	---	---	11.40	< 986.12	---
59-01	997.52	10/26/2005	10.55	10.50	0.05	11.45	987.02	---
59-01	997.52	11/28/2005	10.46	10.45	0.01	11.40	987.07	---
59-01	997.52	12/27/05	10.47	10.45	0.02	11.40	987.07	---
59-03R	997.64	7/20/2005	12.35	11.40	0.95	17.03	986.17	0.586
59-03R	997.64	8/24/2005	13.03	12.13	0.90	17.05	985.45	0.555
59-03R	997.64	9/29/2005	13.55	12.54	1.01	17.03	985.03	0.623
59-03R	997.64	10/26/2005	10.90	10.55	0.35	17.11	987.07	---
59-03R	997.64	11/28/2005	10.90	10.53	0.37	17.05	987.08	0.228
59-03R	997.64	12/27/05	11.10	10.55	0.55	17.05	987.05	0.339
59-07	997.96	7/20/2005	11.78	---	0.00	23.55	986.18	---
59-07	997.96	8/24/2005	12.46	12.44	0.02	23.52	985.52	---
59-07	997.96	9/20/2005	10.00	---	0.00	11.24	987.96	---
59-07	997.96	9/29/2005	13.45	12.78	0.67	23.53	985.13	0.413
59-07	997.96	10/25/2005	11.84	10.70	1.14	23.51	987.18	---
59-07	997.96	11/28/2005	11.70	10.72	0.98	23.55	987.17	0.605
59-07	997.96	12/27/05	10.88	10.82	0.06	23.50	987.14	---
078B-R	988.83	7/25/2005	1.35	---	0.00	11.74	987.48	---
078B-R	988.83	9/29/2005	2.98	---	0.00	11.74	985.85	---
078B-R	988.83	10/20/2005	1.52	---	0.00	11.86	987.31	---
078B-R	988.83	10/26/2005	0.60	---	0.00	11.75	988.23	---
082B-R	989.90	7/25/2005	6.25	---	0.00	11.78	983.65	---
082B-R	989.90	11/8/2005	3.63	---	0.00	11.81	986.27	---
089A	985.76	7/25/2005	3.20	---	0.00	47.40	982.56	---
089A	985.76	11/11/05	1.95	---	0.00	47.33	983.81	---
089B	986.03	7/25/2005	3.55	---	0.00	8.85	982.48	---
089B	986.03	11/9/2005	2.26	---	0.00	8.93	983.77	---
089D-R	987.11	7/25/2005	4.50	---	0.00	79.21	982.61	---
089D-R	987.11	11/11/05	3.18	---	0.00	79.35	983.93	---
090A	988.07	7/25/2005	6.10	---	0.00	51.65	981.97	---
090A	988.07	11/11/05	4.36	---	0.00	51.42	983.71	---
090B	989.10	7/25/2005	7.85	---	0.00	12.84	981.25	---
090B	989.10	11/4/2005	5.54	---	0.00	12.70	983.56	---
090B	989.10	11/11/05	5.48	---	0.00	12.91	983.62	---
095A	987.18	7/25/2005	6.80	---	0.00	51.05	980.38	---
095A	987.18	11/11/05	5.70	---	0.00	50.99	981.48	---
095B-R	986.24	7/25/2005	6.01	---	0.00	13.51	980.23	---
095B-R	986.24	11/4/2005	7.11	---	0.00	12.70	979.13	---

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095B-R	986.24	11/11/05	4.84	---	0.00	13.92	981.40	---
111A-R	997.35	7/25/2005	13.98	---	0.00	52.05	983.37	---
111A-R	997.35	10/28/2005	11.72	---	0.00	52.20	985.63	---
111B-R	997.48	7/25/2005	14.50	---	0.00	19.75	982.98	---
111B-R	997.48	10/28/2005	12.40	---	0.00	19.82	985.08	---
111B-R	997.48	11/3/2005	13.11	---	0.00	19.62	984.37	---
114A	986.16	7/25/2005	6.32	---	0.00	52.30	979.84	---
114A	986.16	11/11/05	5.22	---	0.00	52.25	980.94	---
114A	986.16	12/8/05	5.08	---	0.00	52.20	981.08	---
114B-R	985.54	7/25/2005	6.20	---	0.00	15.35	979.34	---
114B-R	985.54	11/11/05	5.27	---	0.00	15.41	980.27	---
114B-R	985.54	12/8/05	5.20	---	0.00	15.38	980.34	---
GMA3-2	991.94	7/25/2005	7.95	---	0.00	14.92	983.99	---
GMA3-2	991.94	10/18/2005	6.89	---	0.00	15.03	985.05	---
GMA3-2	991.94	10/28/2005	5.83	---	0.00	14.98	986.11	---
GMA3-3	990.45	7/25/2005	2.30	---	0.00	12.21	988.15	---
GMA3-3	990.45	10/19/2005	0.71	---	0.00	12.22	989.74	---
GMA3-3	990.45	10/26/2005	0.25	---	0.00	12.29	990.20	---
GMA3-4	994.60	7/25/2005	7.35	---	0.00	13.18	987.25	---
GMA3-4	994.60	10/19/2005	6.18	---	0.00	13.33	988.42	---
GMA3-4	994.60	10/26/2005	6.20	---	0.00	13.25	988.40	---
GMA3-5	993.67	7/25/2005	9.65	---	0.00	15.41	984.02	---
GMA3-5	993.67	10/18/2005	6.24	---	0.00	15.54	987.43	---
GMA3-5	993.67	11/7/2005	7.35	---	0.00	15.42	986.32	---
GMA3-5	993.67	11/11/05	7.25	---	0.00	15.42	986.42	---
GMA3-6	997.49	7/25/2005	Buried	---	---	---	NA	---
GMA3-6	997.49	10/21/2005	10.04	---	0.00	17.96	987.45	---
GMA3-7	1000.17	7/25/2005	14.15	---	0.00	19.89	986.02	---
GMA3-7	1000.17	10/19/2005	12.94	---	0.00	19.95	987.23	---
GMA3-7	1000.17	10/26/2005	12.68	---	0.00	19.90	987.49	---
GMA3-8	996.24	7/25/2005	10.70	---	0.00	15.65	985.54	---
GMA3-8	996.24	10/18/2005	9.11	---	0.00	16.70	987.13	---
GMA3-8	996.24	11/7/2005	9.65	---	0.00	15.66	986.59	---
GMA3-9	992.39	7/25/2005	5.45	---	0.00	12.65	986.94	---
GMA3-9	992.39	10/18/2005	4.18	---	0.00	12.41	988.21	---
GMA3-9	992.39	10/26/2005	3.90	---	0.00	12.66	988.49	---
GMA3-10	997.54	7/7/2005	11.80	11.12	0.68	18.00	986.37	0.420
GMA3-10	997.54	7/12/2005	11.90	11.15	0.75	18.00	986.34	0.463
GMA3-10	997.54	7/20/2005	11.90	11.28	0.62	18.00	986.22	0.383
GMA3-10	997.54	7/28/2005	12.18	11.42	0.76	18.00	986.07	0.469
GMA3-10	997.54	8/4/2005	12.30	11.60	0.70	18.00	985.89	0.432
GMA3-10	997.54	8/11/2005	12.26	11.70	0.56	18.00	985.80	0.345
GMA3-10	997.54	8/18/2005	12.30	11.80	0.50	18.02	985.71	0.308
GMA3-10	997.54	8/24/2005	12.53	11.90	0.63	18.02	985.60	0.389
GMA3-10	997.54	9/1/2005	12.55	12.05	0.50	18.00	985.46	0.308
GMA3-10	997.54	9/8/2005	12.70	12.15	0.55	18.00	985.35	0.339
GMA3-10	997.54	9/16/2005	12.90	12.25	0.65	18.00	985.24	0.401
GMA3-10	997.54	9/21/2005	12.42	12.30	0.12	18.00	985.23	---
GMA3-10	997.54	9/29/2005	13.23	12.39	0.84	18.02	985.09	0.518
GMA3-10	997.54	10/5/2005	13.20	12.40	0.80	18.00	985.08	0.494
GMA3-10	997.54	10/12/2005	11.34	---	0.00	18.00	986.20	---

TABLE A-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DAT/
JULY 2005 - DECEMBER 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 200!
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
GMA3-10	997.54	10/19/2005	10.65	---	0.00	18.01	986.89	---
GMA3-10	997.54	10/26/2005	10.50	10.42	0.08	18.03	987.11	---
GMA3-10	997.54	11/2/2005	10.30	10.11	0.19	18.00	987.42	---
GMA3-10	997.54	11/9/2005	10.52	10.30	0.22	17.98	987.22	---
GMA3-10	997.54	11/16/2005	10.80	10.43	0.37	17.98	987.08	0.228
GMA3-10	997.54	11/23/2005	10.70	10.32	0.38	17.98	987.19	0.234
GMA3-10	997.54	11/28/2005	10.50	10.31	0.19	18.00	987.22	---
GMA3-10	997.54	12/07/05	10.42	9.98	0.44	18.00	987.53	0.271
GMA3-10	997.54	12/14/05	10.28	10.14	0.14	17.98	987.39	---
GMA3-10	997.54	12/21/05	10.40	10.33	0.07	17.98	987.21	---
GMA3-10	997.54	12/27/05	10.49	10.32	0.17	17.95	987.21	---
GMA3-11	997.25	7/20/2005	10.85	---	0.00	18.40	986.40	---
GMA3-11	997.25	8/24/2005	11.42	---	0.00	18.38	985.83	---
GMA3-11	997.25	9/20/2005	11.85	---	0.00	18.36	985.40	---
GMA3-11	997.25	10/27/2005	9.85	---	0.00	18.42	987.40	---
GMA3-11	997.25	12/27/05	9.90	---	0.00	18.35	987.35	---
GMA3-12	997.84	7/7/2005	11.90	11.46	0.44	21.24	986.35	1.088
GMA3-12	997.84	7/12/2005	11.86	11.50	0.36	21.25	986.31	0.890
GMA3-12	997.84	7/20/2005	12.02	11.64	0.38	21.24	986.17	0.939
GMA3-12	997.84	7/28/2005	12.15	11.80	0.35	21.24	986.02	0.865
GMA3-12	997.84	8/4/2005	12.24	11.97	0.27	21.24	985.85	0.667
GMA3-12	997.84	8/11/2005	12.30	12.06	0.24	21.20	985.76	---
GMA3-12	997.84	8/18/2005	12.40	12.20	0.20	21.24	985.63	---
GMA3-12	997.84	8/24/2005	12.65	12.30	0.35	21.24	985.52	0.865
GMA3-12	997.84	9/1/2005	13.10	12.37	0.73	21.25	985.42	1.804
GMA3-12	997.84	9/8/2005	13.25	12.45	0.80	21.24	985.33	---
GMA3-12	997.84	9/16/2005	13.40	12.56	0.84	21.24	985.22	2.076
GMA3-12	997.84	9/21/2005	13.50	12.61	0.89	21.20	985.17	2.200
GMA3-12	997.84	9/29/2005	13.60	12.70	0.90	21.24	985.08	2.224
GMA3-12	997.84	10/5/2005	13.60	12.70	0.90	21.21	985.08	2.224
GMA3-12	997.84	10/12/2005	12.10	11.45	0.65	21.24	986.34	---
GMA3-12	997.84	10/19/2005	11.20	10.90	0.30	21.23	986.92	0.741
GMA3-12	997.84	10/26/2005	11.03	10.75	0.28	21.25	987.07	0.692
GMA3-12	997.84	11/2/2005	10.58	10.51	0.07	21.24	987.33	---
GMA3-12	997.84	11/9/2005	10.80	10.62	0.18	21.20	987.21	---
GMA3-12	997.84	11/16/2005	11.10	10.80	0.30	21.24	987.02	0.185
GMA3-12	997.84	11/23/2005	10.89	10.70	0.19	21.24	987.13	---
GMA3-12	997.84	11/28/2005	10.80	10.65	0.15	21.20	987.18	---
GMA3-12	997.84	12/07/05	10.46	10.35	0.11	21.20	987.48	---
GMA3-12	997.84	12/14/05	10.75	10.55	0.20	21.24	987.28	---
GMA3-12	997.84	12/21/05	11.03	10.75	0.28	21.25	987.07	0.692
GMA3-12	997.84	12/27/05	10.96	10.70	0.26	21.25	987.12	0.643
GMA3-13	997.73	7/7/2005	11.35	11.34	0.01	17.82	986.39	0.006
GMA3-13	997.73	7/12/2005	11.38	11.37	0.01	17.80	986.36	0.006
GMA3-13	997.73	7/20/2005	11.48	---	0.00	17.83	986.25	---
GMA3-13	997.73	7/28/2005	11.81	---	0.00	17.82	985.92	---
GMA3-13	997.73	8/4/2005	11.78	---	0.00	17.80	985.95	---
GMA3-13	997.73	8/11/2005	11.91	11.90	0.01	17.82	985.83	0.006
GMA3-13	997.73	8/18/2005	12.01	12.00	0.01	17.80	985.73	0.006
GMA3-13	997.73	8/24/2005	12.11	---	0.00	17.81	985.62	---
GMA3-13	997.73	9/1/2005	12.71	---	0.00	17.81	985.02	---

TABLE A-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA
JULY 2005 - DECEMBER 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
GMA3-13	997.73	9/8/2005	12.35	---	0.00	17.80	985.38	---
GMA3-13	997.73	9/16/2005	12.46	---	0.00	17.80	985.27	---
GMA3-13	997.73	9/21/2005	12.58	---	0.00	17.80	985.15	---
GMA3-13	997.73	9/29/2005	12.84	---	0.00	17.80	984.89	---
GMA3-13	997.73	10/5/2005	12.62	---	0.00	17.78	985.11	---
GMA3-13	997.73	10/12/2005	11.58	---	0.00	17.80	986.15	---
GMA3-13	997.73	10/19/2005	10.74	---	0.00	17.76	986.99	---
GMA3-13	997.73	10/26/2005	10.62	---	0.00	17.78	987.11	---
GMA3-13	997.73	11/2/2005	10.92	10.25	0.67	17.78	987.43	0.413
GMA3-13	997.73	11/9/2005	11.20	10.43	0.77	17.79	987.25	0.475
GMA3-13	997.73	11/16/2005	11.08	10.55	0.53	17.78	987.14	0.327
GMA3-13	997.73	11/23/2005	11.00	10.56	0.44	17.80	987.14	0.840
GMA3-13	997.73	11/28/2005	10.62	10.46	0.16	17.76	987.26	0.099
GMA3-13	997.73	12/07/05	10.75	10.10	0.65	17.70	987.58	0.401
GMA3-13	997.73	12/14/05	10.80	10.30	0.50	17.75	987.40	0.308
GMA3-13	997.73	12/21/05	11.08	10.50	0.58	17.75	987.19	0.358
GMA3-13	997.73	12/27/05	11.05	10.54	0.51	17.77	987.15	0.315
GMA3-14	997.42	7/20/2005	11.05	---	0.00	17.04	986.37	---
GMA3-14	997.42	8/24/2005	11.10	---	0.00	17.05	986.32	---
GMA3-14	997.42	9/29/2005	11.66	---	0.00	17.06	985.76	---
GMA3-14	997.42	10/26/2005	11.11	---	0.00	17.00	986.31	---
GMA3-14	997.42	11/28/2005	10.03	---	0.00	17.00	987.39	---
GMA3-14	997.42	12/27/05	10.15	---	0.00	17.05	987.27	---
OBG-2	992.20	7/25/2005	6.14	---	0.00	15.30	986.06	---
OBG-2	992.20	9/14/2005	7.39	---	0.00	15.35	984.81	---
OBG-2	992.20	10/19/2005	4.06	---	0.00	14.88	988.14	---
OBG-2	992.20	11/7/2005	4.65	---	0.00	14.95	987.55	---
OBG-2	992.20	11/11/05	4.71	---	0.00	14.89	987.49	---
UB-MW-10	995.99	7/20/2005	9.30	---	0.00	15.30	986.69	---
UB-MW-10	995.99	8/24/2005	10.60	---	0.00	15.30	985.39	---
UB-MW-10	995.99	9/20/2005	10.85	---	0.00	15.65	985.14	---
UB-MW-10	995.99	10/25/2005	0.68	---	0.00	15.19	995.31	---
UB-MW-10	995.99	11/28/2005	8.90	---	0.00	15.21	987.09	---
UB-MW-10	995.99	12/27/05	Water column frozen; could not gage			---	NA	---
UB-PZ-1	999.70	7/20/2005	Obstructed	---	---	---	NA	---
UB-PZ-1	999.70	9/14/2005	Obstructed	---	---	---	NA	---
UB-PZ-1	999.70	10/26/2005	Obstructed	---	---	---	NA	---
UB-PZ-2	994.77	7/25/2005	Destroyed	---	---	---	NA	---
UB-PZ-2	994.77	9/14/2005	Destroyed	---	---	---	NA	---
UB-PZ-2	994.77	10/26/2005	Destroyed	---	---	---	NA	---
UB-PZ-3	998.15	7/20/2005	12.42	12.06	0.36	13.41	986.06	0.125
UB-PZ-3	998.15	8/24/2005	13.10	12.80	0.30	13.40	985.33	0.047
UB-PZ-3	998.15	9/29/2005	---	13.10	>0.3	13.40	985.05	0.077
UB-PZ-3	998.15	10/26/2005	11.31	11.14	0.17	13.40	987.00	---
UB-PZ-3	998.15	11/28/2005	11.71	11.51	0.20	13.41	986.63	---
UB-PZ-3	998.15	12/27/05	11.33	11.26	0.07	13.40	986.89	---

TABLE A-1
GROUNDWATER ELEVATION AND LNAPL MONITORING/RECOVERY DATA
JULY 2005 - DECEMBER 2005

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Total Depth (ft BMP)	Corrected Water Elev. (feet)	LNAPL Removed (Liters)
GMA 4 Monitoring Well (Adjacent to GMA 3)								
GMA4-3	1,003.95	7/14/2005	17.61	---	0.00	26.24	986.34	---
GMA4-3	1,003.95	8/24/2005	18.32	---	0.00	26.25	985.63	---
GMA4-3	1,003.95	9/20/2005	18.75	---	0.00	26.26	985.20	---
GMA4-3	1,003.95	10/26/2005	16.88	---	0.00	26.24	987.07	---
GMA4-3	1,003.95	11/28/2005	16.75	---	0.00	26.26	987.20	---
GMA4-3	1,003.95	12/27/2005	16.82	---	0.00	26.25	987.13	---
Surface Water Staff Gauges								
GMA3-SG-1	983.44	7/14/2005	Destroyed				NA	---
GMA3-SG-1	988.90	10/26/2005	Staff Gauge Not Located				NA	---
GMA3-SG-2	977.61	7/14/2005	0.48	See Note 6			978.09	---
GMA3-SG-2	977.61	11/11/05	2.20	See Note 6			979.81	---
GMA3-SG-3	985.54	7/14/2005	1.78	See Note 6			987.32	---
GMA3-SG-3	985.54	10/26/2005	2.69	See Note 6			988.23	---
GMA3-SG-4	N/A	7/14/2005	Destroyed				NA	---
GMA3-SG-4	985.71	11/11/05	0.71	See Note 6			986.42	---

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
6. Survey reference points were established on GMA 3 staff gauges at an elevation corresponding to 0.0 feet on the gauges. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.

Appendix B

Field Sampling Data

BBL®
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engineers, scientists, economists

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method								Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	
2A	PP/BA	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
6B/6B-R	PP/BA	NS	NS	NS	NS	PP	PP	PP	Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well found to be unusable and not sampled. Replacement well 6B-R to be installed. Fall 2004: Well 6B replaced by 6B-R. Water level in well dropped below top of pump intake during purging - intake was lowered and well was successfully sampled.
16A	PP	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
16B-R	BP	NS	NS	NS	BP	BP	BP	BP	Spring 2002: Possible dissolved oxygen meter malfunction (readings decreased to zero during purging.) Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Water level in well dropped below top of bladder pump during purging and stabilized at unknown point above pump intake, could not measure. Fall 2005: Water level in well dropped below top of bladder pump during purging and stabilized at unknown point above pump intake, could not measure.
16C/16C-R	PP/BA	NS	NS	NS	NS	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well found to be unusable and not sampled. Replacement well 16C-R installed. Spring 2005: Well 16C replaced by 16C-R. Unable to obtain samples with turbidity below 50 NTU, despite re-development of well and purging at extremely low flow rates.
39B-R	NS	NS	NS	NS	PP	NS	PP	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are routinely collected during the fall rounds. Spring 2002: Well not sampled as installation was not completed prior to sampling event. Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Fall 2005: Supplemental VOC sampling performed.
39D	PP/BA	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method								Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	
39E	PP/BA	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Insufficient groundwater removed during initial sampling attempt to clear sample tubing. Analysis was cancelled and well was re-sampled, using smaller diameter tubing.
43A	PP	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
43B	PP	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
51-14	BP	NS	NS	NS	BP	BP	BP	BP	Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
54B/54B-R	PP/BA	NS	NS	NS	NS	NS	PP	PP	Spring 2002: Bladder pump clogged due to high organic matter content in well, switched to peristaltic/bailer method. Unable to reduce turbidity below 50 NTU. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well 54B found to be unusable and not sampled. Replacement well 54B-R to be installed. Spring 2005: Well 54B replaced by 54B-R. Fall 2005: Well almost went dry during sampling - had to add extra tubing to finish sampling. Only 0.5' of water left in well following sampling.
78B-R	BP	PP	BP	BP	BP	BP	BP	BP	Spring 2002: Dissolved oxygen meter malfunction. Fall 2002: Dissolved oxygen meter malfunction. Spring 2004: VOC samples received at laboratory above temperature criteria. Analysis cancelled and samples re-collected.
82B-R	NS	NS	NS	NS	NS	PP	PP	PP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well 82B found to be unusable and not sampled. Replacement well 82B-R to be installed. Fall 2004: Sampling initiated at well 82B-R.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method								Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	
89A	NS	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2005: Base of well under standing water.
89B	NS	NS	NS	NS	PP	PP	PP	PP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2005: Base of well under standing water.
89D-R	NS	NS	NS	NS	NS	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well 89D found to be unusable and not sampled. Replacement well 89D-R to be installed. Spring 2005: Sampling conducted on two separate dates to obtain complete sample set.
90A	NS	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
90B	NS	NS	NS	NS	PP	PP	PP	PP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: VOC samples received at laboratory above temperature criteria. Analysis cancelled and samples re-collected.
95A	NS	NS	NS	NS	PP	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA.
95B-R	NS	NS	NS	NS	NS	PP	PP	PP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well found to be unusable and not sampled. Replacement well 95B-R to be installed. Fall 2004: Well 95B replaced by 95B-R.
111A-R	NS	NS	NS	NS	NS	NS	PP	NS	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well 111A found to be unusable and not sampled. Replacement well 111A-R t be installed. Spring 2005: Sampling initiated at well 111A-R.
									Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method								Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	
111B/111B-R	NS	NS	NS	NS	BP	BP	BP	BP	Spring 2004: Water level in well dropped below top of bladder pump during purging and stabilized at unknown point above pump intake, could not measure. Fall 2004: Well dried during purging and recharged sufficient volume to collect VOC samples only (several sampling attempts made). Replacement well 111B-R to be installed. Spring 2005: Well 111B replaced by 111B-R.
114A	NS	NS	NS	NS	PP	NS	PP	PP	This well is scheduled for annual sampling for natural attenuation parameter analysis during the spring sampling events only. Therefore no samples are routinely collected during the fall rounds. Spring 2002 and Spring 2003: Sampling deferred due to property access issues at portions of the GMA. Fall 2005: Supplemental VOC sampling performed.
114B/114B-R	NS	NS	NS	NS	BP	BP	BP	BP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Well dried during purging, several sampling visits required to collect required sample volume. Fall 2004: Well 114B replaced by 114B-R.
GMA3-1	NS	NS	NS	NS	NS	NS	NS	NS	Spring 2002 to Spring 2004: Well not sampled as installation has been deferred until re-routing of Unkamet Brook is completed.
GMA3-2	BP	NS	NS	NS	BP	BP	BP	BP	Spring 2002: Possible dissolved oxygen meter malfunction (readings decreased to zero during purging.) Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
GMA3-3	NS	NS	NS	NS	PP	PP	PP	PP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.

TABLE B-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well ID	Sampling Method								Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	
GMA3-4	BP	NS	NS	NS	BP	BP	BP	BP	Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2004: Unable to maintain turbidity below 50 NTU during purging.
GMA3-5	NS	NS	NS	NS	BP	BP	BP	BP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
GMA3-6	BP	NS	NS	NS	BP	BP	BP	BP	Spring 2002: Possible dissolved oxygen meter malfunction (readings decreased to zero during purging.) Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Fall 2005: Possible PH meter malfunction (only parameter that would not stabilize).
GMA3-7	NS	NS	NS	NS	PP	BP	PP	PP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Spring 2005: Peristaltic pump used for sampling instead of bladder pump.
GMA3-8	NS	NS	NS	NS	PP	PP	PP	PP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
GMA3-9	NS	NS	NS	NS	PP	PP	PP	PP	Spring 2002: Well not sampled as installation was not completed prior to sampling event. Fall 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA.
OBG-2	NS	NS	NS	NS	BP	BP	BP	BP	Spring 2002 through Fall 2003: Sampling deferred due to property access issues at portions of the GMA. Fall 2004: Unable to maintain turbidity below 50 NTU during purging. Spring 2005: Well cover found to be damaged; well still usable. Fall 2005: Purged well for over 2.5 hours; turbidity stablized over 110 NTU.

NOTES:
BP - Bladder Pump
PP - Peristaltic Pump
SP - Submersible Pump
BA - Bailer
PP/BA - Peristaltic Pump with Bailer used for VOC sample collection
NS - Not Sampled

GROUNDWATER SAMPLING LOG

Well No. 60-R
Key No. Master
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 5
Sampling Personnel MAH
Date 10/20/05
Weather Sunny, cold

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.21 Meas. From Ground to TIC
Well Diameter 2.00"
Screen Interval Depth 2.00'-12.00' Meas. From TIC
Water Table Depth 6.38' Meas. From TIC
Well Depth 14.80' Meas. From TIC
Length of Water Column 8.42'
Volume of Water in Well 1.37
Intake Depth of Pump/Tubing 10.59' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1115
Sample ID 60R-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
( )	PAC Cyanide (Dissolved)	( )
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
( )	Other (Specify)	( )
(X)	Sulfide	(X)
(X)	EPA Cyanide (Total)	(X)

EVACUATION INFORMATION

Pump Start Time 0900
Pump Stop Time 1345
Minutes of Pumping 465
Volume of Water Removed 6.48
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: ~~Fe~~ Mach Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: ✓ 2100P
YSI 556 MPS 03C0392; Turbidimeter PN: 46850-00 S/N: 94110006523

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0901	90	0.119	6.45				12		
0908	100	0.251	6.72	13.40	6.25	0.243	5	3.21	236.6
0913	100	0.383	6.97	13.23	6.39	0.246	3	2.88	222.8
0918	100	0.515	7.10	13.21	6.48	0.248	4	3.06	218.0
0923	100	0.647	7.26	13.20	6.55	0.254	3	2.90	202.4
0928	100	0.779	7.42	13.31	6.64	0.256	3	2.80	190.7
0933	100	0.911	7.61	13.48	6.71	0.256	2	2.47	181.0
0938	100	1.04	7.82	13.58	6.78	0.260	2	2.27	169.3

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory:
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 6B-R

Site/GMA Name GMA 3

Sampling Personnel MAH

Date 10/20/05

Weather Clear, cold

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0943	100	1.175	7.96	13.64	6.80	0.269	3	1.93	134.3
0948	100	1.307	8.11	13.66	6.85	0.288	2	1.87	14.0
0953	100	1.439	8.27	13.64	6.86	0.303	2	1.40	-22.5
0958	100	1.571	8.41	13.57	6.87	0.319	2	1.19	-44.3
1003	100	1.703	8.57	13.65	6.91	0.337	2	0.97	-55.4
1008	100	1.835	8.77	13.74	6.96	0.379	2	0.93	-61.3
1013	100	1.967	8.96	13.81	6.99	0.401	2	0.75	-70.3
1018	100	2.099	9.13	13.83	7.03	0.430	2	0.64	-81.8
1023	100	2.231	9.32	13.70	7.12	0.457	2	0.65	-85.8
1028	100	2.363	9.49	13.67	7.16	0.481	2	0.68	-93.0
1033	100	2.495	9.66	13.77	7.22	0.503	2	0.60	-103.4
1038	100	2.627	9.80	13.60	7.40	0.584	2	0.51	-105.0
1043	100	2.759	10.00	13.69	7.45	0.610	3	0.50	-109.3
1048	100	2.891	10.16	13.80	7.55	0.630	3	0.54	-114.8
1053	100	3.023	10.33	13.93	7.59	0.645	3	0.50	-120.5
1058	100	3.155	10.54	13.95	7.66	0.669	3	0.54	-128.0
1103	100	3.287	10.72	13.91	7.72	0.683	4	0.48	-132.8
1108	100	3.419	10.95	13.95	7.76	0.650	4	0.47	-137.0
1113	100	3.551	11.16	13.97	7.82	0.663	4	0.44	-142.3
mah — 1118	100	3.683							

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. 16B-R
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/20/05
Weather Partly cloudy, 50's (°F)

Sample Time 1655 @ 1650
Sample ID 16B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~2+3' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 3.83-13.83' Meas. From BGS
Water Table Depth 8.67' Meas. From TIC
Well Depth 16.52 Meas. From TIC
Length of Water Column 7.85
Volume of Water in Well 1.28 gal
Intake Depth of Pump/Tubing ~12.6' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1539
Pump Stop Time 1654
Minutes of Pumping 75
Volume of Water Removed ~1.8 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: System 1
Samples collected by same method as evacuation? Y, N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS (#3) 05K1401
HACH TURBIDIMETER 021000 28323

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1543	50	0.05	8.58	—	—	—	11	—	—
1553	100	0.31	9.86	13.87	9.01	1.843	(10) X 32	3.84	180.2
1558	100	0.45	9.12	14.31	9.06	1.841	39	2.80	29.7
1603	100	0.58	9.35	14.79	8.15	1.848	36	1.86	46.3
1608	100	0.71	9.56	15.09	7.93	1.849	29	1.44	46.3
1613	100	0.84	9.87	15.10	7.83	1.853	21	1.30	41.1
1618	100	0.98	10.12	15.07	7.67	1.871	13	0.96	20.4
1623	100	1.11	10.41	15.07	7.63	1.934	11	0.66	-37.2

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial Purge: Clear w/ some orange-brown parts, clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Purkey

GROUNDWATER SAMPLING LOG

Well No. 16B-R

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/20/05
Weather Partly Cloudy, 50's

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1628	100	1.74	10.65	15.17	7.67	2.009	9	0.52	-69.2
1632	100	1.35	10.73	15.18	7.86	2.054	10	0.51	-83.0
16360	100	1.46	10.89	15.12	7.94	2.133	11	0.42	-96.9
1639	100	1.54	10.99	15.14	7.88	2.163	10	0.40	-164.9
1642	100	1.62	11.12	15.03	7.87	2.218	10	0.39	-110.3
1645	100	1.70	*	15.01	7.81	2.260	10	0.35	-113.1
1648	100	1.78	*	15.00	7.79	2.282	10	0.41	-120.2

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS * Water Below top of bladder pump; can't get probe past it!

GROUNDWATER SAMPLING LOG

Well No. 39B-R
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel MAH
Date 10/21/05
Weather overcast, cold

Sample Time 1012
Sample ID 39B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.22 Meas. From ground To TIC
Well Diameter 2.00"
Screen Interval Depth 4.00'-14.00' Meas. From TIC
Water Table Depth 5.60' Meas. From TIC
Well Depth 13.86' Meas. From TIC
Length of Water Column 8.26'
Volume of Water in Well 1.35
Intake Depth of Pump/Tubing 9.73' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 0848
Pump Stop Time 1016
Minutes of Pumping 168
Volume of Water Removed 2.12
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03E0392; turbidimeter 2100P S/N: 94110000165 23 S/N: 4405500-00

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0851	90	0.119	5.62				13		
0859	100	0.251	5.62	14.16	6.93	0.922	8	5.47	204.3
0904	100	0.383	5.62	14.25	7.04	0.932	6	5.33	204.5
0909	100	0.515	5.62	14.41	7.08	0.937	7	5.00	195.0
0914	100	0.647	5.62	14.37	7.09	0.943	4	4.85	187.8
0919	100	0.779	5.62	14.66	7.09	0.943	3	4.69	176.6
0924	100	0.911	5.62	14.71	7.10	0.949	3	4.56	165.9
0929	100	1.043	5.62	14.87	7.11	0.958	2	4.52	147.2

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory:
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 39B-R

Site/GMA Name GMA 3
Sampling Personnel MAH
Date 10/21/05
Weather overcast, cold

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0934	100	1.175	5.62	14.88	7.10	0.960	1	4.49	120.5
0939	100	1.307	5.62	15.00	7.11	0.959	1	4.47	116.7
0944	100	1.439	5.62	15.08	7.10	0.961	1	4.00	108.7
0949	100	1.571	5.62	15.09	7.10	0.963	1	4.04	100.6
0954	100	1.703	5.62	15.20	7.13	0.963	2	3.86	73.5
0959	100	1.835	5.62	15.28	7.09	0.965	1	3.59	67.0
1004	100	1.967	5.62	15.42	7.10	0.967	1	3.58	64.1
1009	100	2.099	5.62	15.41	7.09	0.970	1	3.55	58.7

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. 51-14
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/20/05
Weather Partly cloudy, 40-50°F

Sample Time 1440
Sample ID 51-14
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ~-1 Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 5-15' Meas. From BGS
Water Table Depth 9.98 Meas. From TIC
Well Depth 15.07' Meas. From TIC
Length of Water Column 5.09'
Volume of Water in Well 0.83gal
Intake Depth of Pump/Tubing ~12.5 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1258
Pump Stop Time 1442
Minutes of Pumping 104
Volume of Water Removed ~2.6gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (✓)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS (#3) 03C1461
HACH TURBIDIMETER 02100002323

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1300	50	0.03	9.98	—	—	—	4	—	—
1309	75	0.21	9.98	16.09	8.12	0.312	14	1.60	51.4
1314	100	0.34	9.98	16.19	7.96	0.315	13	1.33	49.1
1319	100	0.47	9.98	16.28	7.61	0.319	10	1.21	47.0
1324	100	0.61	9.98	16.28	7.40	0.322	9	1.12	43.5
1329	100	0.74	9.98	16.32	7.33	0.322	7	1.08	41.3
1334	100	0.87	9.98	16.40	~~7.72~~ 6.72	0.322	4	1.02	41.8
1339	100	1.00	9.98	16.53	~~10.86~~ 6.86	0.322	3	1.00	50.2

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: Clear, colorless, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Pusteraj

GROUNDWATER SAMPLING LOG

Well No. MW 51-14

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/20/05
Weather Partly Cloudy; 50's (F)

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1344	100	1.13	9.98	16.81	7.85	0.322	2	0.99	58.3
1349	100	1.26	9.98	16.14	6.95	0.325	2	1.13	51.2
1354	100	1.40	9.98	16.23	7.92	0.321	2	1.03	34.4
1359	100	1.53	9.98	16.07	7.32	0.324	2	1.15	33.8
1404	100	1.66	9.98	16.01	7.86	0.321	1	1.04	38.4
1409	100	1.79	9.98	16.46	9.96	0.321	1	0.99	36.0
1414	100	1.92	9.98	16.57	9.43	0.322	1	0.94	38.2
1417	100	2.00	9.98	16.67	9.86	0.322	1	0.93	33.0
1420	100	2.08	9.98	16.59	7.85	0.322	1	0.94	19.2
1423	100	2.16	9.98	16.63	7.20	0.322	1	0.95	22.1
1426	100	2.24	9.98	16.70	6.77	0.322	1	0.92	26.6
1429	100	2.32	9.98	16.70	7.44	0.323	1	0.91	23.0
1432	100	2.40	9.98	16.63	7.42	0.323	1	0.91	23.3
1435	100	2.48	9.98	16.52	7.32	0.323	1	0.90	26.7
1438	100	2.56	9.98	16.64	7.38	0.322	1	0.90	27.7

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. 548-R
Key No. Ex-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel MAH / SAB
Date 11/16/05
Weather overcast, windy, cold

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.4' Meas. From ground to TIC
Well Diameter 2.00"
Screen Interval Depth 3.00' - 13.00' Meas. From TIC
Water Table Depth 4.20' Meas. From TIC
Well Depth 15.57' Meas. From TIC
Length of Water Column 11.37'
Volume of Water in Well 1.85
Intake Depth of Pump/Tubing 9.90' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1052
Sample ID 548-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
( )	PAC Cyanide (Dissolved)	( )
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
( )	Other (Specify)	( )
(X)	sulfide	(X)
(X)	EPA Cyanide (total)	(X)

EVACUATION INFORMATION

Pump Start Time 1000
Pump Stop Time 1235
Minutes of Pumping 255
Volume of Water Removed 4.25
Did Well Go Dry? Y (N) *

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03D392; turbidimeter s/N: 94110000 16523 s/N: 94110000 16523

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1002	100	0.132	4.45				9		
1009	100	0.264	5.29	10.98	6.34	0.897	11	1.20	-89.7
1014	100	0.396	5.95	10.52	6.43	0.896	14	1.12	-92.4
1019	100	0.528	6.25	10.36	6.41	0.895	20	1.04	-94.0
1024	100	0.660	6.63	10.31	6.51	0.893	22	1.06	-94.4
1029	100	0.792	6.93	10.29	6.41	0.892	19	1.12	-93.0
1034	100	0.924	7.19	10.22	6.48	0.892	18	1.19	-91.7
1039	100	1.056	7.54	10.29	6.58	0.892	18	1.22	-91.1

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS * well almost went dry - had to add extra tubing to finish sampling, only ~0.5 ft of H_2O left in well when finished sampling.

SAMPLE DESTINATION

Laboratory: _____
Delivered Via: _____
Airbill #: _____

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. 54B-R

Site/GMA Name GMA 3
Sampling Personnel MAH/SAB
Date 4/10/05
Weather overcast, cold, windy

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1044	100	1.188	7.85	10.24	6.59	0.890	17	1.19	-89.4
1049	100	1.320	8.00	10.31	6.61	0.889	17	1.24	-88.8

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. 78B-R
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/20/05
Weather Sunny, Low 40's (°F)

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 1.82-11.82' Meas. From BGS
Water Table Depth 1.52' Meas. From TIC
Well Depth 11.86' Meas. From TIC
Length of Water Column 10.34'
Volume of Water in Well 1.69 gal
Intake Depth of Pump/Tubing ~7 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1012
Sample ID 78B-R
Duplicate ID ____
MS/MSD ____
Split Sample ID ____

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	~~GMA~~ Cyanide (Dissolved)	(X)
(X)	~~TAL~~ Cyanide (~~Dissolved~~ Total)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 928
Pump Stop Time 1201
Minutes of Pumping 147
Volume of Water Removed ~4 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS (#3) 03C1461
HACH TURBIDMETER S/N 02100002833

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
932	100	0.11	1.55	—	—	—	5	—	—
944	100	0.43	1.58	15.40	7.21	2.918	15	0.57	-164.3
949	100	0.56	1.55	16.23	7.01	2.967	9	0.23	-177.4
954	100	0.69	1.55	16.05	7.11	2.962	7	0.20	-167.4
959	100	0.82	1.55	15.99	7.14	2.955	6	0.24	-165.6
1004	100	0.95	1.55	16.00	7.15	2.957	5	0.30	-164.6
1009	100	1.08	1.55	16.05	7.16	2.954	6	0.27	-161.2

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: slightly yellowish in color, some small particles (white), strong odor.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill P. Fiorentino

C:\WORK\GEGroundwater\554199\Attachment\D-2

GROUNDWATER SAMPLING LOG

Well No. 82B-R
Key No. Master lock No. 1
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel MAH, SAB
Date 11/8/05
Weather overcast, windy

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +2.09' Meas. From Ground to TIC
Well Diameter 2.00"
Screen Interval Depth 2.82-12' Meas. From TIC
Water Table Depth 3.63' Meas. From TIC
Well Depth 11.81' Meas. From TIC
Length of Water Column 8.18'
Volume of Water in Well 1.33
Intake Depth of Pump/Tubing 7.72' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1215
Sample ID 82B-R
Duplicate ID —
MS/MSD 82B-R
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
( )	PAC Cyanide (Dissolved)	( )
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
( )	Other (Specify)	( )
(X)	Sulfide	(X)
(X)	EPA Cyanide (total)	(X)

EVACUATION INFORMATION

Pump Start Time 1100
Pump Stop Time 1525
Minutes of Pumping 425
Volume of Water Removed 10.64
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 03C0292; Turbidimeter p/n: 46500-00 s/n: 02100002 8323

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1104	100	0.132	3.65	—	—	—	39	—	—
1112	100	0.264	3.65	10.98	6.02	0.676	23	2.60	-32.0
1116	100	0.396	3.65	11.15	6.09	0.676	55	2.08	-38.3
1121	100	0.528	3.65	11.17	6.11	0.677	65	2.04	-40.0
1126	100	0.660	3.65	11.03	6.10	0.677	81	1.96	-41.2
1131	100	0.792	3.65	10.96	6.11	0.679	78	1.97	-41.9
1136	100	0.924	3.65	11.21	6.13	0.679	81	1.93	-43.6
1141	100	1.056	3.65	11.29	6.14	0.681	66	2.06	-44.5

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory:
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. B2B-R

Site/GMA Name GMA 3
Sampling Personnel MAH, SATB
Date 11/8/05
Weather overcast, windy

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1146	100	1.188	3.65	11.34	6.16	0.683	48	1.91	-47.9
1151	100	1.32	3.65	11.38	6.14	0.686	41	2.04	-46.9
1156	100	1.452	3.65	11.25	6.13	0.685	41	1.76	-47.3
1201	100	1.584	3.65	11.33	6.14	0.682	20	1.72	-48.3
1206	100	1.716	3.65	11.28	6.17	0.684	19	1.73	-50.0
1211	100	1.848	3.65	11.25	6.15	0.686	20	1.74	-49.5

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. 89B
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel MAH / SAB
Date 11/9/05
Weather overcast, cold

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 3.32' Meas. From ground to TIC
Well Diameter 2.00"
Screen Interval Depth 4.00-7.00' Meas. From TIC
Water Table Depth 2.26' Meas. From TIC
Well Depth 8.93' Meas. From TIC
Length of Water Column 6.67'
Volume of Water in Well 1.09
Intake Depth of Pump/Tubing 5.5' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1152
Sample ID 89B
Duplicate ID Dup #5
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	Expanded SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
( )	PAC Cyanide (Dissolved)	( )
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
( )	Other (Specify)	( )
(X)	Sulfide	(X)
(X)	EPA Cyan. delivered	(X)

EVACUATION INFORMATION

Pump Start Time 1058
Pump Stop Time 1405
Minutes of Pumping 347
Volume of Water Removed 7.18
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03C0392; Turbidimeter P/N: 46500-00 S/N: 021000028329

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1101	100	0.132	2.28				64		
1106	100	0.264	2.27				40		
1115	100	0.396	2.28	10.79	6.42	0.809	35	2.70	-59.4
1120	100	0.528	2.28	10.83	6.57	0.813	28	1.60	-70.1
1125	100	0.6660	2.28	10.97	6.63	0.812	22	1.42	-74.5
1130	100	0.792	2.28	10.93	6.63	0.810	18	1.37	-75.3
1135	100	0.924	2.28	10.91	6.63	0.809	12	1.43	-75.7
1140	100	1.056	2.28	10.98	6.65	0.807	9	1.38	-77.6

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS —

SAMPLE DESTINATION

Laboratory: —
Delivered Via: —
Airbill #: —

Field Sampling Coordinator: —

GROUNDWATER SAMPLING LOG

Well No. B9B

Site/GMA Name GMA 3

Sampling Personnel MRH / SAB

Date 11/9/05

Weather Overcast, cold

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1145	100	1.188	2.28	11.02	6.66	0.806	8	1.38	-78.7
1150	100	1.320	2.28	11.18	6.67	0.805	8	1.33	-79.3

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. 90B
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA3 - UNKAMET BROOK
Sampling Personnel AES/JFH
Date NOVEMBER 4, 2005
Weather SUNNY 47°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.91 - 0.04 Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 8-11 Meas. From GROUND
Water Table Depth 5.64' Meas. From TIC
Well Depth 12.70 Meas. From TIC
Length of Water Column 7.16'
Volume of Water in Well 4.67 GALLONS
Intake Depth of Pump/Tubing 9.50 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 0935
Sample ID 90B
Duplicate ID —
MS/MSD —
Split Sample ID →

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) SULFIDE	(X)

EVACUATION INFORMATION

Pump Start Time 0850
Pump Stop Time 1140
Minutes of Pumping 170
Volume of Water Removed 4000
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: GEOPUMP
Samples collected by same method as evacuation? Y N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MSP, HACH 2100P TURBIDIMETER
*MEASUREMENTS IN mL.

Time	Pump Rate ~~(L/min.)~~	Total ~~Gallons~~ Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0850	100	—	5.54	—	—	—	59.6	—	—
0855	100	500	5.58	—	—	—	61.4	—	—
0900	100	1000	5.58	—	—	—	19.2	—	—
0905	100	1500	5.58	10.91	6.24	0.304	7	10.28	-19.5
0910	100	2000	5.58	10.68	5.95	0.302	5	4.09	-13.4
0915	100	2500	5.58	10.49	5.74	0.296	4	3.18	-3.1
0920	100	3000	5.58	10.44	5.77	0.296	4	3.12	-4.7
0925	100	3500	5.58	10.43	5.84	0.296	5	3.10	-8.1

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS INITIAL PURGE IS CLEAR, TURNED SLIGHTLY TURBID AFTERWARDS.

SAMPLE DESTINATION

Laboratory:
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. [redacted] 90B

Site/GMA Name GMA3 - PITTSFIELD, MA
Sampling Personnel AES/JFH
Date NOVEMBER 4, 2005
Weather SUNNY, 47°

WELL INFORMATION - See Page 1

Time	Pump Rate ~~(L/min.)~~	Total ~~Gallons~~ Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0930	100	4000	5.58	10.42	5.81	0.296	4	3.11	-9.5
SAMPLE TIME		0935							

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS SEE NOTES ON PAGE 1.

GROUNDWATER SAMPLING LOG

Well No. 95 B-R
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name UNKAMET BROOK - GMA3
Sampling Personnel AES/JFH
Date NOVEMBER 4, 2005
Weather SUNNY, 62° F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 3.60 - .90 Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 3-13 Meas. From GROUND
Water Table Depth 7.11 Meas. From TIC
Well Depth 12.70 Meas. From TIC
Length of Water Column 5.59
Volume of Water in Well .91 GALLONS
Intake Depth of Pump/Tubing 10.01 Meas. From GROUND

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1400
Sample ID 95BR
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
(X)	SVOCs EXP	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) SULFIDE	(X)

EVACUATION INFORMATION

Pump Start Time 1800
Pump Stop Time 1510
Minutes of Pumping 130
Volume of Water Removed 5500
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: GEOPUMP
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MSP, HACH 2100P TURBIDIMETER

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1800	100	—	7.11	—	—	—	46	—	—
1805	100	500	7.11	12.54	6.92	0.658	28	4.40	-25.6
1810	100	1000	7.11	12.46	6.86	0.667	16	2.29	-56.2
1315	100	1500	7.40	12.33	6.87	0.686	27	2.00	-68.7
1320	100	2000	7.38	12.74	7.01	0.675	20	2.18	-69.6
1325	100	2500	7.38	12.66	6.95	0.683	14	2.08	-70.0
1830	100	3000	7.38	12.78	6.91	0.707	12	2.13	-73.0
1835	100	3500	7.38	12.81	6.93	0.709	7	2.05	-74.8
1340	100	4000	7.38	12.69	6.93	0.710	6	2.04	-78.1
1345	100	4500	7.38	12.70	6.92	0.712	3	2.00	-80.3
1350	100	5000	7.38	12.73	6.92	0.711	3	1.98	-79.9
1355	100	5500	7.38	12.83	6.92	0.711	2	1.93	-80.0

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS INITIAL PURGE HAD ORANGE PARTICLES

SAMPLE DESTINATION

Laboratory: ___
Delivered Via: ___
Airbill #: ___

Field Sampling Coordinator: ___

GROUNDWATER SAMPLING LOG

Well No. 111-B-B
Key No.
PID Background (ppm)
Well Headspace (ppm)

Site/GMA Name GMA 3
Sampling Personnel JAJ JCC
Date 11/3/05
Weather sunny, 40's partly

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From ____
Well Diameter 2 in
Screen Interval Depth ____ Meas. From ____
Water Table Depth 13.11 Meas. From TIC
Well Depth 19.62 Meas. From TIC
Length of Water Column 6.51 ft
Volume of Water in Well 1.06 gal
Intake Depth of Pump/Tubing 14.37 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1045
Sample ID 111-B-B
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(✓)	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
(✓)	SVOCs	( )
(✓)	PCBs (Total)	( )
(✓)	PCBs (Dissolved)	( )
(✓)	Metals/Inorganics (Total)	( )
(✓)	Metals/Inorganics (Dissolved)	( )
(✓)	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
(✓)	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )
✓	cyanide total	
✓	sulfide	

EVACUATION INFORMATION

Pump Start Time 0935
Pump Stop Time 1243
Minutes of Pumping 123
Volume of Water Removed 2.0 gal + sample(s)
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (✓)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: bladder
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #4

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0947	0.1	0.2	13.11	12.53	7.16	0.892	57.4	8.94	283.5
0952	0.1	0.4	13.11	12.50	7.21	0.891	26.9	8.53	278.6
0957	0.1	0.5	13.11	12.32	7.19	0.890	21.1	8.63	284.1
1002	0.1	0.6		12.14	7.19	0.891	16.3	8.36	289.3
1007	0.1	0.8		12.14	7.20	0.888	13.1	8.43	292.5
1012	0.1	1.0	13.11	12.15	7.18	0.887	10.3	8.38	294.8
1017	0.1	1.2	13.11	12.14	7.18	0.888	9.09	8.76	297.1
1022	0.1	1.3		12.21	7.19	0.889	7.63	8.43	298.2

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS initial purge: clear, colorless, no odor or sheen

SAMPLE DESTINATION

Laboratory: ____
Delivered Via: ____
Airbill #: ____

Field Sampling Coordinator: ____

DTW: 13.11 TIC
TD: 19.62 TIC

GROUNDWATER SAMPLING LOG

Well No. 111-3-R

Site/GMA Name GMA-3
Sampling Personnel JAS, JCJ
Date 11/3/05
Weather cloudy, 40's, windy

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1027	0.1	1.5	13.11	12.26	7.21	0.514	5.84	8.31	299.7
1032	0.1	1.7	13.11	12.24	7.19	0.888	5.53	8.15	300.2
1037	0.1	1.9	13.11	12.24	7.21	0.887	5.82	8.42	301.4

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. 114A
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-3
Sampling Personnel GAR
Date 12/8/05
Weather Partly cloudy, 20°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +2.90 Meas. From Ground
Well Diameter 1"
Screen Interval Depth 45'-50' Meas. From Ground
Water Table Depth 5.08 Meas. From TIC
Well Depth 52.20 Meas. From TIC
Length of Water Column 47.12
Volume of Water in Well 1.92
Intake Depth of Pump/Tubing 50.4' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 20:05
Sample ID 114A
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 18:45
Pump Stop Time 20:10
Minutes of Pumping
Volume of Water Removed
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump Z
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS - 03M023Ac
Hach 2100P-Turbidimeter: 021000028323

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
18:50	100ml	0.13	9.45	—	—	—	24	—	—
19:05	100ml	~~0.79~~	14.24	7.90	8.40	0.151	19	3.21	38.6
19:20	100ml	0.93	15.27	7.81	8.41	0.151	21	1.54	-31.0
19:25	100ml	1.06	15.94	7.48	8.44	0.151	25	1.05	-68.9
19:30	100ml	1.19	16.38	7.60	8.42	0.151	25	0.88	-76.1
19:35	100ml	1.32	17.14	7.42	8.43	0.154	27	1.00	-86.5
19:40	100ml	1.46	17.43	7.44	8.35	0.157	26	0.66	-121.1
19:45	100ml	1.59	17.82	7.45	8.34	0.162	27	0.76	-148.6

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

Intial Purge: Clear, odorless
Final Purge:
Note: sample line froze at 19:00, need to fix

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 114A

Site/GMA Name GE Hitachi - GMA-3
Sampling Personnel GAR
Date 12/8/05
Weather Partly cloudy, 20°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
19:50	100ml	1.72	18.24	7.41	8.25	0.166	27	0.63	-179.6
19:55	100ml	1.85	18.58	7.47	8.17	0.165	28	0.61	-183.3
20:00	100ml	1.98	18.92	7.44	8.20	0.167	27	0.57	-186.5

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. 114B-R
Key No. EX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield, GMA-3
Sampling Personnel GAR
Date 12/8/05
Weather Sunny, 25°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point + 2.0' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 4'-14' Meas. From Ground
Water Table Depth 5.20' Meas. From TIC
Well Depth 15.38' Meas. From TIC
Length of Water Column 10.18'
Volume of Water in Well 1.66 gallons
Intake Depth of Pump/Tubing 9.0' Meas. From ~~TIC~~ Ground

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 16:10
Sample ID 114B-R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
( )	PAC Cyanide (Dissolved)	( )
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
(X)	Other (Specify) Total CN, Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 14:45
Pump Stop Time 18:00
Minutes of Pumping 195
Volume of Water Removed 5 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk - System One
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI-556MPS - 03M0230Ac
Hach 2100P - Turbid. Instr - 0210000 28323

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
14:50	100ml	0.13	5.23	—	—	—	138	—	—
15:05	100ml	0.53	5.24	—	—	—	64	—	—
15:15	100ml	0.79	5.22	—	—	—	41	—	—
15:20	100ml	0.93	5.22	10.12	7.04	0.952	31	8.84	235.6
15:25	100ml	1.06	5.22	10.43	7.01	0.955	27	3.90	220.3
15:30	100ml	1.19	5.22	10.69	7.07	0.958	27	2.41	184.0
15:35	100ml	1.32	5.22	10.74	7.04	0.959	23	2.21	170.5
15:40	100ml	1.46	5.22	10.76	7.05	0.958	22	1.88	147.8

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

Intial Purge: Light-brown, cloudy, slight petro-odor
Final Purge: Clear, slight petro-odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 114B-R

Site/GMA Name GE Pittsfield - GMA-3
Sampling Personnel GAR
Date 12/8/05
Weather Sunny, 25°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
15:45	100ml	1.59	5.22	10.54	7.07	0.957	17	1.82	134.5
15:50	100ml	1.72	5.22	9.90	7.06	0.955	16	1.81	132.4
15:55	100ml	1.85	5.22	10.01	7.05	0.962	14	1.77	128.9
16:00	100ml	1.98	5.22	9.60	7.05	0.964	13	1.85	127.7
16:05	100ml	2.12	5.22	9.52	7.06	0.963	13	1.92	131.1
16:10	100ml	2.25	5.22	9.40	7.07	0.965	13	1.96	131.0

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. GMA3-2
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/18/05
Weather Overcast, 40°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-0.2' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 5.19-15.19' Meas. From BGS
Water Table Depth 6.89' Meas. From TIC
Well Depth 15.03' Meas. From TIC
Length of Water Column 8.14'
Volume of Water in Well 1.33 gal
Intake Depth of Pump/Tubing 10.9' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1140
Sample ID GMA3-2
Duplicate ID —
MS/MSD Collected
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1021
Pump Stop Time 1210
Minutes of Pumping —
Volume of Water Removed —
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: QED System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS (#3) S/N 03C14461
HACH TURBIDMETER S/N 021000028323

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1025	75	0.08	6.59	—	—	—	142	—	—
1030	100	0.21	6.57	—	—	—	133	—	—
1035	100	0.34	6.62	—	—	—	112	—	—
1040	100	0.47	6.70	—	—	—	98	—	—
1045	100	0.60	6.72	—	—	—	52	—	—
1050	100	0.73	6.75	—	—	—	37	—	—
1106	100	1.15	6.71	16.38	7.26	13.85	29	0.49	-141.8
1111	100	1.28	6.72	16.55	7.27	13.86	26	0.39	-150.0

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: Slightly yellow in color, turb.d, slight odor.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

C:\Documents and Settings\sklimek\Desktop\554199 Attachment D-2

GROUNDWATER SAMPLING LOG

Well No. GMA3-2

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/18/05
Weather Cloudy, 40s F

WELL INFORMATION - See Page 1

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1116	100	1.41	6.72	16.81	7.27	13.90	24	0.35	-147.4
1121	100	1.54	6.72	16.86	7.26	13.93	22	0.31	-153.5
1125	100	1.67	6.73	17.00	7.26	13.92	20	0.30	-149.9
1129	100	1.80	6.73	16.98	7.26	13.96	18	0.31	-154.1
1132	100	1.93	6.75	17.03	7.26	13.96	17	0.52	-146.0
1135	100	2.06	6.76	16.95	7.25	13.98	16	0.53	-140.3
1138	100	2.19	6.77	16.90	7.25	13.98	16	0.44	-149.7

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. GMA 3-3
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel MAH
Date 10/19/05
Weather Sunny, clear

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.48 Meas. From ground To TIC
Well Diameter 2.00"
Screen Interval Depth 2.00-12.00' Meas. From TIC
Water Table Depth 0.71' Meas. From TIC
Well Depth 12.22' Meas. From ~~TIC~~
Length of Water Column 11.51'
Volume of Water in Well 1.88
Intake Depth of Pump/Tubing ~~5.71'~~ 7.00' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time 1105
Sample ID GMA 3-3
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
( )	PAC Cyanide (Dissolved)	( )
(X)	PCDDs/PCDFs	(X)
(X)	Pesticides/Herbicides	(X)
( )	Natural Attenuation	( )
( )	Other (Specify)	( )
(X)	Sulfide	(X)
(X)	EPA Cyanide (Total)	(X)

EVACUATION INFORMATION

Pump Start Time 1007
Pump Stop Time 1305
Minutes of Pumping 178
Volume of Water Removed 4.397
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03003922; Turbidimeter P/N: 46500-00 2100P S/N: 94110000165123

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1009	110	0.146	0.82				42		
1016	100	0.278	0.94	18.41	7.17	1.838	24	0.58	-142.0
1021	100	0.410	0.97	18.46	7.24	1.852	19	0.37	-146.4
1026	100	0.54	1.00	18.10	7.29	1.800	18	0.32	-148.7
1031	100	0.674	1.00	18.07	7.26	1.7606	16	0.26	-149.8
1036	100	0.806	1.01 LOW FLOW	17.93	7.22	1.757	15	0.26	-148.1
1041	100	0.938	1.01	17.96	7.22	1.730	12	0.25	-147.4
1046	100	1.070	1.02	17.84	7.22	1.719	11	0.25	-149.1

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SES
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA 3-3

Site/GMA Name GMA 3
Sampling Personnel MAH
Date 10/19/05
Weather clear, sunny

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1051	100	1.202	1.02	17.62	7.21	1.714	9	0.26	-149.2
1056	100	1.334	1.01	17.49	7.19	1.709	9	0.27	-149.7
1101	100	1.466	1.03	17.50	7.20	1.713	8	0.27	-145.5

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. GMA3-4
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/19/05
Weather Partly Cloudy, 50's (°F)

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-.3' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 3.57-13.57' Meas. From BGS
Water Table Depth 6.18' Meas. From TIC
Well Depth 13.33' Meas. From TIC
Length of Water Column ~~8.15'~~ 7.15
Volume of Water in Well ~~1.33 gal~~ 1.17 gal
Intake Depth of Pump/Tubing ~~9.35'~~ 9.8' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1125
Sample ID GMA3-4
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1008
Pump Stop Time 1128
Minutes of Pumping 80
Volume of Water Removed ~2 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS (#3) 03C1461
HACH TURBIDMETER S/N 021000028323

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1012	100	0.11	6.19	—	—	—	17	—	—
1022	100	0.37	6.20	18.98	7.77	0.492	62	7.09	10.0
1027	100	0.50	6.20	19.15	7.65	0.493	81	7.41	1.1
1032	100	0.63	6.20	19.09	7.65	0.493	78	7.23	-0.7
1037	100	0.76	6.20	19.06	7.68	0.494	54	7.32	-1.8
1042	100	0.89	6.20	19.04	7.72	0.499	38	6.95	-2.2
1047	100	1.02	6.20	19.07	7.76	0.506	29	7.83	-2.5
1052	100	1.15	6.20	19.25	7.80	0.509	23	8.08	-1.8

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: Slightly cloudy, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Akorz

GROUNDWATER SAMPLING LOG

Well No. GMA3-4

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/19/05
Weather Partly Cloudy; 50-60°F

WELL INFORMATION - See Page 1

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1057	100	1.28	6.20	19.22	7.84	0.512	19	7.79	-0.9
1102	100	1.41	6.20	19.23	7.84	0.517	15	8.21	-0.1
1107	125	1.58	6.20	19.12	7.86	0.521	12	8.50	-0.1
1112	100	1.71	6.20	18.77	7.88	0.523	10	8.65	-1.4
1117	100	1.84	6.20	18.67	7.89	0.524	10	8.58	-2.2
1122	100	1.98	6.20	18.75	7.89	0.526	10	8.53	-2.6

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. GMA3-5
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/18/05
Weather Cloudy, High 40's - Low 50's (°F)

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +2.0' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 4-14' Meas. From BGS
Water Table Depth 6.24' Meas. From TIC
Well Depth 15.54' Meas. From TIC
Length of Water Column 9.3'
Volume of Water in Well 1.52gal
Intake Depth of Pump/Tubing 10.9' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1430
Sample ID GMA3-5
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	~~EPA~~ Cyanide (Dissolved)	(X)
(X)	~~EPA~~ Cyanide (~~Dissolved~~ (Total))	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) (Sulfide)	(X)

EVACUATION INFORMATION

Pump Start Time 1330
Pump Stop Time ~~1610~~ (FR) 1610
Minutes of Pumping 160
Volume of Water Removed ~3.77
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS (#3) 03C1461
HACH TURBIDMETER S/N 021000028323

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1336	100	0.16	6.26	—	—	—	6	—	—
1345	125	0.33	6.26	15.29	6.73	0.496	12	2.58	33.4
1350	100	0.46	6.27	15.37	6.79	0.495	13	1.83	27.6
1355	100	0.59	6.27	15.33	6.75	0.490	12	1.67	14.6
1400	100	0.72	6.24	15.38	6.77	0.487	10	1.77	5.6
1405	100	0.85	6.26	15.44	6.78	0.485	9	1.53	-2.9
1410	100	0.98	6.26	15.47	6.78	0.485	7	1.49	-4.8
1415	100	1.11	6.27	15.49	6.78	0.485	6	1.44	-11.5

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: Clear, colorless, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. GMA3-5

Site/GMA Name GMA-3

Sampling Personnel SAP

Date 10/18/05

Weather Cloudy (Rainy), High 40°F's

WELL INFORMATION - See Page 1

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1420	100	1.24	6.27	15.46	6.83	0.486	5	1.41	-8.8
1425	100	1.37	6.27	15.69	6.77	0.486	5	1.39	-10.1

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. GMA3-6
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/21/05
Weather Overcast, 40 (~~Low~~ High 30's) °F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-1' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 3-18' Meas. From BGS
Water Table Depth 10.64' Meas. From TIC
Well Depth 17.96 Meas. From TIC
Length of Water Column 7.32
Volume of Water in Well 1.29 gal
Intake Depth of Pump/Tubing 14' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1100
Sample ID GMA3-6
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
(X)	~~PAC~~ Cyanide (~~Dissolved~~) (Total)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 903
Pump Stop Time 1345
Minutes of Pumping —
Volume of Water Removed ~5.2 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: ~~YSI~~ 556 MPS (#3) 05C14161
HACH TURBIDIMETER S/N

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
904	50	0.01	10.00	—	—	—	92	—	—
909	100	0.14	10.05	—	—	—	319	—	—
914	75	0.24	10.05	—	—	—	243	—	—
919	100	0.37	10.05	—	—	—	202	—	—
924	100	0.50	10.05	—	—	—	145	—	—
929	100	0.63	10.05	—	—	—	83	—	—
934	100	0.76	10.05	—	—	—	67	—	—
939	100	0.89	10.05	—	—	—	58	—	—

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: Slightly yellow in color; orangish-brown particles, slight odor.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Akers

GROUNDWATER SAMPLING LOG

Well No. GMA3-6

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/21/05
Weather Partly Cloudy, 40°F (3)

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
944	100	1.02	10.05	—	—	—	49	—	—
955	50	1.17	10.05	13.77	9.44	1.295	38	0.74	-63.1
1000	100	1.30	10.05	14.16	9.77	1.302	37	0.80	-61.9
1005	100	1.43	10.05	14.72	11.25	1.313	40	0.51	-54.0
1010	100	1.56	10.05	14.96	12.38	1.318	40	0.43	-61.1
1015	100	1.69	10.05	15.01	13.98	1.320	40	0.51	-57.5
1020	100	1.83	10.05	15.01	13.95	1.322	28	0.34	-61.4
1025	100	1.96	10.05	14.89	14.82	1.323	26	0.35	-60.8
1030	100	2.09	10.05	14.96	14.17	1.318	23	0.40	-59.6
1035	100	2.22	10.05	15.07	14.10	1.319	22	0.32	-62.3
1040	100	2.36	10.05	14.99	12.14	1.320	21	0.33	-57.5
1043	100	2.44	10.05	15.13	11.70	1.318	20	0.30	-58.6
1046	100	2.52	10.05	15.21	11.41	1.319	20	0.31	-58.7
1049	100	2.60	10.05	15.27	10.72	1.320	19	0.31	-61.0
1052	100	2.68	10.05	15.33	10.39	1.320	19	0.28	-60.8
1055	100	2.76	10.05	15.30	15.81	1.320	20	0.30	-58.6
1058	100	2.84	10.05	15.24	17.42*	1.322	20	0.32	-61.4

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS * pH appears to be incorrect; meter malfunctioning. All other parameters are stable → sampling!

GROUNDWATER SAMPLING LOG

Well No. GMA 3-7
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel MAH
Date 10/19/05
Weather clear, sunny

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.29 Meas. From ground TO TIC
Well Diameter 2.00"
Screen Interval Depth 10.00'-20.00 Meas. From TIC
Water Table Depth 12.94' Meas. From TIC
Well Depth 19.95' Meas. From TIC
Length of Water Column 7.01
Volume of Water in Well 1.143
Intake Depth of Pump/Tubing 16.45 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1507
Sample ID GMA 3-7
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
(X)	Metals/Inorganics (Total)	(X)
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	EPA Cyanide (Dissolved)	(X)
( )	PAC Cyanide (Dissolved)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )
(X)	Sulfide	(X)
(X)	EPA Cyanide (Total)	(X)

EVACUATION INFORMATION

Pump Start Time 1359
Pump Stop Time 1635
Minutes of Pumping 276
Volume of Water Removed 5.986
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03D292; turbidimeter P/N: 46500-00 2100P S/N: 94110000455 23

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1401	100	0.132	13.01				41		
1408	100	0.264	13.06	15.64	6.70	0.739	25	5.60	108.6
1413	100	0.396	13.09	15.48	6.63	0.729	22	5.33	110.7
1418	100	0.528	13.11	15.48	6.59	0.724	21	5.24	108.8
1423	100	0.660	13.13	15.54	6.69	0.728	17	4.98	102.1
1428	100	0.792	13.13	15.60	6.74	0.727	10	4.60	97.6
1433	100	0.924	13.13	15.65	6.74	0.732	9	4.61	96.3
1438	100	1.056	13.13	15.45	6.73	0.733	6	4.60	99.4

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #:

Field Sampling Coordinator: Jill Adams

GROUNDWATER SAMPLING LOG

Well No. GMA 3-7

Site/GMA Name GMA 3
Sampling Personnel MAH
Date 10/19/05
Weather clear, sunny

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1443	100	1.188	13.13	15.36	6.75	0.731	5	4.56	100.4
1448	100	1.320	13.13	15.23	6.75	0.731	3	4.57	102.4
1453	100	1.452	13.13	15.19	6.76	0.732	3	4.58	104.8
1458	100	1.584	13.13	15.17	6.77	0.733	2	4.57	107.9

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. GMA 3-8
Key No. No. 1 Master lock
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA3
Sampling Personnel MAH
Date 10/18/05
Weather overcast, cold

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 0.75' Meas. From ground To TIC
Well Diameter 2.00"
Screen Interval Depth 5.00-15.00' Meas. From TIC
Water Table Depth 9.11' Meas. From TIC
Well Depth 15.70' Meas. From TIC
Length of Water Column 6.59'
Volume of Water in Well
Intake Depth of Pump/Tubing 12.41' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1038
Sample ID GMA 3-8
Duplicate ID Dup 3
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 0947
Pump Stop Time 1058
Minutes of Pumping 111
Volume of Water Removed 1.11
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03C0392; 2100P Turbidimeter P/N 46600-00 S/N: 94110000652 3

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0950	125	0.165	9.22				52		
0955	100	0.292	9.23				19		
1002	100	0.429	9.25	15.11	7.05	0.846	12	0.95	-118.2
1007	100	0.561	9.26	15.06	7.06	0.861	10	0.79	-119.9
1012	100	0.693	9.27	15.14	7.07	0.866	7	0.56	-120.8
1017	100	0.825	9.28	15.28	7.10	0.873	4	0.52	-122.2
1022	100	0.957	9.28	15.29	7.10	0.879	4	0.52	-121.8
1027	100	1.089	9.28	15.34	7.12	0.882	3	0.49	-122.4

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #:

Field Sampling Coordinator: Jill Mastrorio

GROUNDWATER SAMPLING LOG

Well No. GMA 3-9
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 3
Sampling Personnel MAH
Date 10/18/05.
Weather overcast, rainy

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 0.20' Meas. From ground To TIC
Well Diameter 2.00"
Screen Interval Depth 3.00 - 13.00 Meas. From TIC
Water Table Depth 4.18' Meas. From TIC
Well Depth 12.41' Meas. From TIC
Length of Water Column 8.23
Volume of Water in Well 1.34
Intake Depth of Pump/Tubing 8.30 Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 1450
Sample ID GMA 3-9
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1315
Pump Stop Time 1455
Minutes of Pumping 140
Volume of Water Removed 2.43
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geopump 2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 0210392; turbidimeter P/N: 46500-00 2100P S/N: 94110200 6523

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1318	125	0.1165	4.24				18		
1326	100	0.297	4.23	15.34	6.94	0.749	18	1.50	-106.6
1331	100	0.429	4.23	15.14	6.98	0.753	30	0.67	-111.6
1336	100	0.561	4.23	15.05	6.99	0.751	27	0.68	-113.4
1341	100	0.693	4.23	15.08	6.99	0.748	27	0.56	-114.3
1346	100	0.825	4.23	15.03	6.98	0.747	25	0.55	-114.9
1351	100	0.957	4.23	15.05	6.98	0.747	24	0.54	-113.8
1356	100	1.089	4.23	15.07	6.98	0.748	23	0.49	-113.1

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jill Niskorz

GROUNDWATER SAMPLING LOG

Well No. GMA 3-9

Site/GMA Name GMA 3
Sampling Personnel MAH
Date 10/18/05
Weather overcast, rain

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1401	100	1.221	4.24	15.06	6.97	0.748	21	0.50	-112.1
1406	100	1.353	4.23	15.09	6.98	0.749	19	0.44	-110.0
1411	100	1.485	4.23	15.06	6.97	0.750	17	0.44	-107.2
1416	100	1.617	4.23	14.99	6.97	0.751	15	0.39	-106.0
1421	100	1.749	4.23	14.98	6.97	0.751	13	0.39	-104.5
1426	100	1.881	4.23	15.00	6.97	0.751	12	0.37	-104.3
1431	100	2.013	4.23	14.98	6.97	0.751	11	0.35	-105.7
1436	~~1456~~ mah	100	2.145	4.23	14.95	6.97	0.751	9	0.36	-106.0
1441	1451 mah	100	2.277	4.23	14.95	6.96	0.751	10	0.35	-105.4
1444	100	2.409	4.23	14.95	6.97	0.751	9	0.35	-105.2

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. OBG-2
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/19/05
Weather Overcast, 40-50°F

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point — Meas. From Flush
Well Diameter 2"
Screen Interval Depth 3-14.4' Meas. From BGS
Water Table Depth 4.06' Meas. From TIC
Well Depth 14.88' Meas. From TIC
Length of Water Column 10.82'
Volume of Water in Well 1.76 gal
Intake Depth of Pump/Tubing ~9.5' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) Casing
TOC: Top of Outer (Protective) Casing
Grade/BGS: Ground Surface

Redevelop? Y N

Sample Time 1630
Sample ID OBG-2
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	SVOCs	( )
( )	PCBs (Total)	( )
( )	PCBs (Dissolved)	( )
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	EPA Cyanide (Dissolved)	( )
( )	PAC Cyanide (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1339
Pump Stop Time 1633
Minutes of Pumping 156
Volume of Water Removed ~5.3 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: System 1
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03C14161 (#3)
+HACH TURBIDMETER S/N 021000028323

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1340	50	0.01	4.22	—	—	—	50	—	—
1345	75	0.11	4.50	—	—	—	137	—	—
1350	100	0.24	4.74	—	—	—	118	—	—
1355	125	0.41	4.82	—	—	—	94	—	—
1400	100	0.54	4.75	—	—	—	108	—	—
1405	100	0.67	4.75	—	—	—	111	—	—
1410	100	0.80	4.75	—	—	—	96	—	—
1415	100	0.93	4.72	—	—	—	87	—	—

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial Purge: Slightly yellow in color, slightly turbid (orangy-yellow particles, no odor)

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: Jeff Stortz

GROUNDWATER SAMPLING LOG

Well No. OBG-2

Site/GMA Name GMA-3
Sampling Personnel JAP
Date 10/19/05
Weather partly cloudy, 50's

WELL INFORMATION - See Page 1

	Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1.33	1430	100	~~1.06~~	4.72	–	–	–	82	–	–
1.73	1445	100	~~1.19~~	4.67	–	–	–	72	–	–
2.13	1500	100	~~1.32~~	4.72	–	–	–	179	–	–
2.53	1515	100	~~1.45~~	4.68	–	–	–	197	–	–
3.85	1530	50	~~2.93~~	4.63	–	–	–	117	–	–
	1545	100	4.25	4.70	–	–	–	117	–	–
	*1600	100	4.65	4.72	–	–	–	123	–	–
	1604	100	4.78	4.70	19.81	7.29	0.759	106	2.666	-95.9
	1609	100	4.91	4.70	19.63	7.25	0.744	103	2.71	-90.3
	1614	100	5.04	4.70	19.55	7.15	0.760	115	2.72	-89.4
	1619	100	5.17	4.70	19.54	7.11	0.770	117	2.89	-88.2
	1624	100	5.30	4.70	19.53	7.09	0.781	124	2.68	-88.0

* Turbidity stable, all others (parameters) stable. Sampled although not below 50; pumped for over 2 and 1/2 hours! JAP

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

* Turbidity not dropping below 50 but seems to be stabilizing. Hooking up flow thru cell.

Appendix C

Fall 2005 Groundwater Analytical Results

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

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05	54B-R 11/10/05
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.050)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.050)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) J
1,2-Dichloroethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20)	ND(0.20)	ND(0.20) J	ND(0.20)	ND(0.20) J
2-Butanone	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.050)	ND(0.010)	ND(0.010) J	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
Acetonitrile	ND(0.10)	ND(0.10)	ND(0.10) J	ND(0.10)	ND(0.10)
Acrolein	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Benzene	6.9	ND(0.0050)	0.049	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.050)	ND(0.0020)	ND(0.010)	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.050)	ND(0.0050)	ND(0.010)	0.0012 J	ND(0.0050)
Chlorobenzene	3.3	ND(0.0050)	0.24	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.050)	ND(0.0050)	ND(0.010)	0.011	ND(0.0050)
Chloromethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.050)	ND(0.0050)	ND(0.010) J	ND(0.0050)	ND(0.0050) J
Ethyl Methacrylate	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10) J
Methacrylonitrile	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.050)	ND(0.010)	ND(0.010) J	ND(0.010)	ND(0.010)
Styrene	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.050)	ND(0.0020)	ND(0.010)	ND(0.0020)	ND(0.0020)
Toluene	0.064	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Total VOCs	10	0.0015 J	0.29	0.012 J	ND(0.20)
trans-1,2-Dichloroethene	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.050)	ND(0.0050)	ND(0.010) J	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.050)	0.0015 J	ND(0.010)	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.050)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1016	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1221	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1232	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1242	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1254	0.00034	NA	NA	NA	0.00010
Aroclor-1260	ND(0.000065)	NA	NA	NA	ND(0.000065)
Total PCBs	0.00034	NA	NA	NA	0.00010

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05	54B-R 11/10/05
PCBs-Filtered					
Aroclor-1016	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1221	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1232	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1242	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	NA	NA	ND(0.000065)
Aroclor-1254	0.00011	NA	NA	NA	0.000056 J
Aroclor-1260	ND(0.000065)	NA	NA	NA	ND(0.000065)
Total PCBs	0.00011	NA	NA	NA	0.000056 J
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.010)	NA	NA	NA	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.0050)	NA	ND(0.0050)	ND(0.010) J
1,2-Dichlorobenzene	0.0030 J	ND(0.0050)	NA	ND(0.0050)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	NA	NA	NA	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.010) J	NA	NA	NA	ND(0.010) J
1,3-Dichlorobenzene	ND(0.010)	0.0010 J	NA	ND(0.0050)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010) J	NA	NA	NA	ND(0.010) J
1,4-Dichlorobenzene	0.036	0.0025 J	NA	ND(0.0050)	ND(0.010) J
1,4-Naphthoquinone	ND(0.010)	NA	NA	NA	ND(0.010)
1-Naphthylamine	ND(0.010)	NA	NA	NA	ND(0.010)
2,3,4,6-Tetrachlorophenol	ND(0.010) J	NA	NA	NA	R
2,4,5-Trichlorophenol	ND(0.010)	NA	NA	NA	R
2,4,6-Trichlorophenol	ND(0.010)	NA	NA	NA	R
2,4-Dichlorophenol	ND(0.010)	NA	NA	NA	R
2,4-Dimethylphenol	ND(0.010)	NA	NA	NA	R
2,4-Dinitrophenol	ND(0.050)	NA	NA	NA	R
2,4-Dinitrotoluene	ND(0.010)	NA	NA	NA	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	NA	NA	NA	R
2,6-Dinitrotoluene	ND(0.010)	NA	NA	NA	ND(0.010)
2-Acetylaminofluorene	ND(0.010)	NA	NA	NA	ND(0.010)
2-Chloronaphthalene	ND(0.010)	NA	NA	NA	ND(0.010)
2-Chlorophenol	0.0014 J	NA	NA	NA	R
2-Methylnaphthalene	ND(0.010)	NA	NA	NA	ND(0.010)
2-Methylphenol	ND(0.010)	NA	NA	NA	R
2-Naphthylamine	ND(0.010) J	NA	NA	NA	ND(0.010) J
2-Nitroaniline	ND(0.050)	NA	NA	NA	ND(0.050)
2-Nitrophenol	ND(0.010)	NA	NA	NA	R
2-Picoline	ND(0.010)	NA	NA	NA	ND(0.010)
3&4-Methylphenol	ND(0.010)	NA	NA	NA	R
3,3'-Dichlorobenzidine	ND(0.020)	NA	NA	NA	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.010)	NA	NA	NA	ND(0.010)
3-Methylcholanthrene	ND(0.010)	NA	NA	NA	ND(0.010)
3-Nitroaniline	ND(0.050)	NA	NA	NA	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	NA	NA	NA	R
4-Aminobiphenyl	ND(0.010) J	NA	NA	NA	ND(0.010) J
4-Bromophenyl-phenylether	ND(0.010)	NA	NA	NA	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	NA	NA	NA	R
4-Chloroaniline	ND(0.010)	NA	NA	NA	ND(0.010)
4-Chlorobenzilate	ND(0.010)	NA	NA	NA	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	NA	NA	NA	ND(0.010)
4-Nitroaniline	ND(0.050)	NA	NA	NA	ND(0.050)
4-Nitrophenol	ND(0.050)	NA	NA	NA	R
4-Nitroquinoline-1-oxide	ND(0.010) J	NA	NA	NA	ND(0.010) J
4-Phenylenediamine	ND(0.010)	NA	NA	NA	ND(0.010)
5-Nitro-o-toluidine	ND(0.010)	NA	NA	NA	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	NA	NA	NA	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.010) J	NA	NA	NA	ND(0.010) J
Acenaphthene	0.0085 J	NA	NA	NA	ND(0.010) J
Acenaphthylene	ND(0.010)	NA	NA	NA	ND(0.010)
Acetophenone	ND(0.010)	NA	NA	NA	ND(0.010)
Aniline	ND(0.010)	NA	NA	NA	ND(0.010)
Anthracene	ND(0.010)	NA	NA	NA	ND(0.010)
Aramite	ND(0.010)	NA	NA	NA	ND(0.010)
Benzidine	ND(0.020) J	NA	NA	NA	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	NA	NA	NA	ND(0.010)
Benzo(a)pyrene	ND(0.010)	NA	NA	NA	ND(0.010)

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05	54B-R 11/10/05
Semivolatile Organics (continued)					
Benzo(b)fluoranthene	ND(0.010)	NA	NA	NA	ND(0.010)
Benzo(g,h,i)perylene	ND(0.010)	NA	NA	NA	ND(0.010)
Benzo(k)fluoranthene	ND(0.010)	NA	NA	NA	ND(0.010)
Benzyl Alcohol	ND(0.020)	NA	NA	NA	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010)	NA	NA	NA	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010)	NA	NA	NA	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010) J	NA	NA	NA	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	NA	NA	NA	ND(0.0060)
Butylbenzylphthalate	ND(0.010)	NA	NA	NA	ND(0.010)
Chrysene	ND(0.010)	NA	NA	NA	ND(0.010)
Diallate	ND(0.010) J	NA	NA	NA	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010)	NA	NA	NA	ND(0.010)
Dibenzofuran	ND(0.010)	NA	NA	NA	ND(0.010)
Diethylphthalate	ND(0.010)	NA	NA	NA	ND(0.010)
Dimethylphthalate	ND(0.010)	NA	NA	NA	ND(0.010)
Di-n-Butylphthalate	ND(0.010)	NA	NA	NA	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	NA	NA	NA	ND(0.010)
Diphenylamine	ND(0.010)	NA	NA	NA	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	NA	NA	NA	ND(0.010)
Fluoranthene	ND(0.010)	NA	NA	NA	ND(0.010)
Fluorene	ND(0.010)	NA	NA	NA	ND(0.010)
Hexachlorobenzene	ND(0.010)	NA	NA	NA	ND(0.010)
Hexachlorobutadiene	ND(0.050)	NA	NA	NA	ND(0.0010)
Hexachlorocyclopentadiene	ND(0.010) J	NA	NA	NA	ND(0.010) J
Hexachloroethane	ND(0.010)	NA	NA	NA	ND(0.010)
Hexachlorophene	ND(0.020) J	NA	NA	NA	ND(0.020) J
Hexachloropropene	ND(0.010)	NA	NA	NA	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.010)	NA	NA	NA	ND(0.010)
Isodrin	ND(0.010)	NA	NA	NA	ND(0.010)
Isophorone	ND(0.010)	NA	NA	NA	ND(0.010)
Isosafrole	ND(0.010) J	NA	NA	NA	ND(0.010) J
Methapyrilene	ND(0.010)	NA	NA	NA	ND(0.010)
Methyl Methanesulfonate	ND(0.010)	NA	NA	NA	ND(0.010) J
Naphthalene	0.022	ND(0.0050)	NA	ND(0.0050)	ND(0.010)
Nitrobenzene	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitrosodimethylamine	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitrosomorpholine	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitrosopiperidine	ND(0.010)	NA	NA	NA	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	NA	NA	NA	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010)	NA	NA	NA	ND(0.010)
o-Toluidine	ND(0.010)	NA	NA	NA	ND(0.010) J
p-Dimethylaminoazobenzene	ND(0.010)	NA	NA	NA	ND(0.010)
Pentachlorobenzene	ND(0.010)	NA	NA	NA	ND(0.010)
Pentachloroethane	ND(0.010)	NA	NA	NA	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	NA	NA	NA	ND(0.010)
Pentachlorophenol	ND(0.050)	NA	NA	NA	R
Phenacetin	ND(0.010)	NA	NA	NA	ND(0.010)
Phenanthrene	ND(0.010)	NA	NA	NA	ND(0.010)
Phenol	0.084	NA	NA	NA	R
Pronamide	ND(0.010)	NA	NA	NA	ND(0.010)
Pyrene	ND(0.010)	NA	NA	NA	ND(0.010)
Pyridine	ND(0.010)	NA	NA	NA	ND(0.010)
Safrole	ND(0.010) J	NA	NA	NA	ND(0.010) J
Thionazin	ND(0.010)	NA	NA	NA	ND(0.010)

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05	54B-R 11/10/05
Organochlorine Pesticides					
4,4'-DDD	ND(0.00010)	NA	NA	NA	ND(0.00010)
4,4'-DDE	ND(0.00010)	NA	NA	NA	ND(0.00010)
4,4'-DDT	ND(0.00010)	NA	NA	NA	ND(0.00010)
Aldrin	ND(0.000050)	NA	NA	NA	ND(0.000050)
Alpha-BHC	ND(0.000050)	NA	NA	NA	ND(0.000050)
Alpha-Chlordane	ND(0.000050)	NA	NA	NA	ND(0.000050)
Beta-BHC	ND(0.000050)	NA	NA	NA	ND(0.000050)
Delta-BHC	ND(0.000050)	NA	NA	NA	ND(0.000050)
Dieldrin	ND(0.00010)	NA	NA	NA	ND(0.00010)
Endosulfan I	ND(0.00010)	NA	NA	NA	ND(0.00010)
Endosulfan II	ND(0.00010)	NA	NA	NA	ND(0.00010)
Endosulfan Sulfate	ND(0.00010)	NA	NA	NA	ND(0.00010)
Endrin	ND(0.00010)	NA	NA	NA	ND(0.00010)
Endrin Aldehyde	ND(0.00010)	NA	NA	NA	ND(0.00010)
Endrin Ketone	ND(0.00010)	NA	NA	NA	ND(0.00010)
Gamma-BHC (Lindane)	ND(0.000050)	NA	NA	NA	ND(0.000050)
Gamma-Chlordane	ND(0.000050)	NA	NA	NA	ND(0.000050)
Heptachlor	ND(0.000050)	NA	NA	NA	ND(0.000050)
Heptachlor Epoxide	ND(0.000050)	NA	NA	NA	ND(0.000050)
Kepone	ND(0.050) J	NA	NA	NA	ND(0.050) J
Methoxychlor	ND(0.00050)	NA	NA	NA	ND(0.00050)
Technical Chlordane	ND(0.00050)	NA	NA	NA	ND(0.00050)
Toxaphene	ND(0.0010)	NA	NA	NA	ND(0.0010)
Organophosphate Pesticides					
Dimethoate	ND(0.050) J	NA	NA	NA	ND(0.050) J
Disulfoton	ND(0.010)	NA	NA	NA	ND(0.010)
Ethyl Parathion	ND(0.010)	NA	NA	NA	ND(0.010)
Famphur	ND(0.050)	NA	NA	NA	ND(0.050)
Methyl Parathion	ND(0.010)	NA	NA	NA	ND(0.010)
Phorate	ND(0.010)	NA	NA	NA	ND(0.010)
Sulfotep	ND(0.010)	NA	NA	NA	ND(0.010) J
Herbicides					
2,4,5-T	ND(0.0020)	NA	NA	NA	ND(0.0020)
2,4,5-TP	ND(0.0020)	NA	NA	NA	ND(0.0020)
2,4-D	ND(0.010)	NA	NA	NA	ND(0.010)
Dinoseb	ND(0.0010)	NA	NA	NA	ND(0.0010)
Furans					
2,3,7,8-TCDF	ND(0.0000000041)	NA	NA	NA	ND(0.0000000026)
TCDFs (total)	ND(0.0000000041)	NA	NA	NA	ND(0.0000000026)
1,2,3,7,8-PeCDF	ND(0.0000000049)	NA	NA	NA	ND(0.0000000057) X
2,3,4,7,8-PeCDF	ND(0.0000000049)	NA	NA	NA	0.0000000055 J
PeCDFs (total)	ND(0.0000000049)	NA	NA	NA	ND(0.000000011)
1,2,3,4,7,8-HxCDF	ND(0.0000000049)	NA	NA	NA	0.0000000081 J
1,2,3,6,7,8-HxCDF	ND(0.0000000049)	NA	NA	NA	0.0000000057 J
1,2,3,7,8,9-HxCDF	ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
2,3,4,6,7,8-HxCDF	ND(0.0000000049)	NA	NA	NA	0.0000000054 J
HxCDFs (total)	ND(0.0000000049)	NA	NA	NA	0.000000019 J
1,2,3,4,6,7,8-HpCDF	ND(0.0000000049)	NA	NA	NA	0.0000000065 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
HpCDFs (total)	ND(0.0000000049)	NA	NA	NA	0.0000000065 J
OCDF	ND(0.0000000099)	NA	NA	NA	0.000000010 J
Dioxins					
2,3,7,8-TCDD	ND(0.0000000030)	NA	NA	NA	ND(0.0000000031)
TCDDs (total)	ND(0.0000000030)	NA	NA	NA	ND(0.0000000031)
1,2,3,7,8-PeCDD	ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
PeCDDs (total)	ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
1,2,3,4,7,8-HxCDD	ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
1,2,3,6,7,8-HxCDD	ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
1,2,3,7,8,9-HxCDD	ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
HxCDDs (total)	ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000049)	NA	NA	NA	ND(0.0000000065)
HpCDDs (total)	ND(0.0000000049)	NA	NA	NA	ND(0.0000000065)
OCDD	ND(0.00000011)	NA	NA	NA	ND(0.000000046)
Total TEQs (WHO TEFs)	0.0000000073	NA	NA	NA	0.000000010

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05	54B-R 11/10/05
Inorganics-Unfiltered					
Antimony	ND(0.0600)	NA	NA	NA	ND(0.0600)
Arsenic	0.00440 B	NA	NA	NA	0.0140
Barium	0.0450 B	NA	NA	NA	0.210 J
Beryllium	ND(0.00100)	NA	NA	NA	ND(0.00100)
Cadmium	0.000530 B	NA	NA	NA	0.00150 B
Chromium	0.00160 B	NA	NA	NA	0.00560 B
Cobalt	ND(0.0500)	NA	NA	NA	0.00290 B
Copper	0.0150 B	NA	NA	NA	0.00700 J
Cyanide	0.00120 B	NA	NA	NA	0.0110
Lead	ND(0.0033)	NA	NA	NA	ND(0.0030)
Mercury	ND(0.000200)	NA	NA	NA	ND(0.000200)
Nickel	ND(0.040)	NA	NA	NA	ND(0.040)
Selenium	ND(0.00500) J	NA	NA	NA	ND(0.00500) J
Silver	ND(0.00500)	NA	NA	NA	ND(0.00500)
Sulfide	ND(5.00)	NA	NA	NA	ND(5.0)
Thallium	ND(0.0100) J	NA	NA	NA	ND(0.0100) J
Tin	ND(0.0300)	NA	NA	NA	ND(0.0300)
Vanadium	0.00530 B	NA	NA	NA	0.00720 B
Zinc	0.0110 B	NA	NA	NA	ND(0.020)
Inorganics-Filtered					
Antimony	ND(0.0600)	NA	NA	NA	ND(0.0600)
Arsenic	0.00680 B	NA	NA	NA	ND(0.0100)
Barium	0.0450 B	NA	NA	NA	0.0970 B
Beryllium	ND(0.00100)	NA	NA	NA	ND(0.00100)
Cadmium	ND(0.00500)	NA	NA	NA	ND(0.00500)
Chromium	ND(0.010)	NA	NA	NA	ND(0.0100)
Cobalt	ND(0.0500)	NA	NA	NA	ND(0.0500)
Copper	ND(0.0250)	NA	NA	NA	ND(0.0250)
Cyanide	ND(0.0100)	NA	NA	NA	0.00680 B
Lead	ND(0.0030)	NA	NA	NA	ND(0.00300)
Mercury	ND(0.000200)	NA	NA	NA	ND(0.000200)
Nickel	0.00390 B	NA	NA	NA	ND(0.0400)
Selenium	0.00580 J	NA	NA	NA	ND(0.00500) J
Silver	ND(0.00500)	NA	NA	NA	ND(0.00500)
Thallium	ND(0.0100)	NA	NA	NA	ND(0.0100) J
Tin	ND(0.0300)	NA	NA	NA	ND(0.0300)
Vanadium	0.00410 B	NA	NA	NA	ND(0.0500)
Zinc	0.00540 B	NA	NA	NA	ND(0.0200)

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 10/20/05	82B-R 11/08/05	89B 11/09/05
Volatile Organics			
1,1,1,2-Tetrachloroethane	ND(0.10)	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]
1,1,1-Trichloroethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
1,1,2,2-Tetrachloroethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
1,1,2-Trichloroethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
1,1-Dichloroethane	ND(0.10)	0.00067 J	ND(0.0050) [ND(0.0050)]
1,1-Dichloroethene	ND(0.10)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2,3-Trichloropropane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
1,2-Dibromo-3-chloropropane	ND(0.10)	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]
1,2-Dibromoethane	ND(0.10)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichloroethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
1,2-Dichloropropane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
1,4-Dioxane	ND(0.20)	ND(0.20) J	ND(0.20) J [ND(0.20) J]
2-Butanone	ND(0.10)	ND(0.010)	ND(0.010) [ND(0.010)]
2-Chloro-1,3-butadiene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
2-Chloroethylvinylether	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
2-Hexanone	ND(0.10)	ND(0.010)	ND(0.010) [ND(0.010)]
3-Chloropropene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
4-Methyl-2-pentanone	ND(0.10)	ND(0.010)	ND(0.010) [ND(0.010)]
Acetone	ND(0.10)	ND(0.010)	ND(0.010) [ND(0.010)]
Acetonitrile	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]
Acrolein	ND(0.10)	ND(0.10) J	ND(0.10) J [ND(0.10) J]
Acrylonitrile	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Benzene	1.8	0.0014 J	0.0022 J [0.0022 J]
Bromodichloromethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Bromoform	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Bromomethane	ND(0.10)	ND(0.0020)	ND(0.0020) [ND(0.0020)]
Carbon Disulfide	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Carbon Tetrachloride	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chlorobenzene	2.3	ND(0.0050)	0.23 [0.20]
Chloroethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chloroform	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chloromethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
cis-1,3-Dichloropropene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Dibromochloromethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Dibromomethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Dichlorodifluoromethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Ethyl Methacrylate	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Ethylbenzene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Iodomethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Isobutanol	ND(0.10)	ND(0.10) J	ND(0.10) J [ND(0.10) J]
Methacrylonitrile	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Methyl Methacrylate	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Methylene Chloride	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Propionitrile	ND(0.10)	ND(0.010)	ND(0.010) [ND(0.010)]
Styrene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Tetrachloroethene	ND(0.10)	ND(0.0020)	ND(0.0020) [ND(0.0020)]
Toluene	ND(0.10)	0.00055 J	0.00051 J [0.00051 J]
Total VOCs	4.1	0.0026 J	0.23 J [0.20 J]
trans-1,2-Dichloroethene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
trans-1,3-Dichloropropene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
trans-1,4-Dichloro-2-butene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Trichloroethene	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Trichlorofluoromethane	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Vinyl Acetate	ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Vinyl Chloride	ND(0.10)	ND(0.0020)	ND(0.0020) [ND(0.0020)]
Xylenes (total)	ND(0.10)	ND(0.010)	ND(0.010) [ND(0.010)]
PCBs-Unfiltered			
Aroclor-1016	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1232	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1242	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1254	ND(0.000065)	0.00066 J	0.000089 [0.00012]
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Total PCBs	ND(0.000065)	0.00066 J	0.000089 [0.00012]

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 10/20/05	82B-R 11/08/05	89B 11/09/05
PCBs-Filtered			
Aroclor-1016	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1232	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1242	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1254	ND(0.000065)	0.00030	0.000068 [0.000091]
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Total PCBs	ND(0.000065)	0.00030	0.000068 [0.000091]
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
1,2-Diphenylhydrazine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
1,3,5-Trinitrobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]
1,3-Dichlorobenzene	0.0021 J	ND(0.010)	ND(0.010) [ND(0.010)]
1,3-Dinitrobenzene	0.0021 J	ND(0.010) J	ND(0.010) J [ND(0.010) J]
1,4-Dichlorobenzene	0.011	ND(0.010)	ND(0.010) [0.0023 J]
1,4-Naphthoquinone	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
1-Naphthylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,3,4,6-Tetrachlorophenol	ND(0.010)	ND(0.010) J	ND(0.010) J [ND(0.010) J]
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,4,6-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,4-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,4-Dinitrophenol	ND(0.050) J	ND(0.050) J	ND(0.050) [ND(0.050)]
2,4-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,6-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,6-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2-Acetylaminofluorene	ND(0.010)	ND(0.010) J	ND(0.010) J [ND(0.010) J]
2-Chloronaphthalene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2-Chlorophenol	0.0042 J	ND(0.010)	ND(0.010) [ND(0.010)]
2-Methylnaphthalene	0.020	ND(0.010)	ND(0.010) [ND(0.010)]
2-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2-Naphthylamine	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]
2-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
2-Nitrophenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2-Picoline	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
3&4-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]
3,3'-Dimethylbenzidine	ND(0.010)	ND(0.010) J	ND(0.010) J [ND(0.010) J]
3-Methylcholanthrene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
3-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
4-Aminobiphenyl	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]
4-Bromophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
4-Chloroaniline	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
4-Chlorobenzilate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
4-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
4-Nitrophenol	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
4-Nitroquinoline-1-oxide	ND(0.010)	ND(0.010) J	ND(0.010) J [ND(0.010) J]
4-Phenylenediamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
5-Nitro-o-toluidine	ND(0.010)	ND(0.010)	ND(0.010) J [ND(0.010) J]
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
a,a'-Dimethylphenethylamine	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]
Acenaphthene	0.014	ND(0.010)	ND(0.010) [ND(0.010)]
Acenaphthylene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Acetophenone	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Aniline	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Anthracene	0.0026 J	ND(0.010)	ND(0.010) [ND(0.010)]
Aramite	ND(0.010)	ND(0.010) J	ND(0.010) J [ND(0.010) J]
Benzidine	ND(0.020) J	ND(0.020) J	ND(0.020) J [ND(0.020) J]
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Benzo(a)pyrene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 10/20/05	82B-R 11/08/05	89B 11/09/05
Semivolatile Organics (continued)			
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Benzo(g,h,i)perylene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Benzo(k)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Benzyl Alcohol	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]
bis(2-Chloroethoxy)methane	ND(0.010) J	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060) [ND(0.0060)]
Butylbenzylphthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Chrysene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Diallate	ND(0.010) J	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzofuran	0.012	ND(0.010)	ND(0.010) [ND(0.010)]
Diethylphthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Di-n-Butylphthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Di-n-Octylphthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Diphenylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Ethyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Fluoranthene	0.0018 J	ND(0.010)	ND(0.010) [ND(0.010)]
Fluorene	0.012	ND(0.010)	ND(0.010) [ND(0.010)]
Hexachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Hexachlorobutadiene	ND(0.10)	ND(0.0010) J	0.00063 J [ND(0.0010) J]
Hexachlorocyclopentadiene	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]
Hexachloroethane	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Hexachlorophene	ND(0.020) J	ND(0.020) J	ND(0.020) J [ND(0.020) J]
Hexachloropropene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Isodrin	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Isophorone	ND(0.010)	ND(0.010)	ND(0.010) J [ND(0.010) J]
Isosafrole	ND(0.010) J	ND(0.010) J	ND(0.010) [ND(0.010)]
Methapyrilene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Methyl Methanesulfonate	ND(0.010)	ND(0.010) J	ND(0.010) J [ND(0.010) J]
Naphthalene	0.020	ND(0.010)	ND(0.010) [ND(0.010)]
Nitrobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosomorpholine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosopiperidine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosopyrrolidine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
o-Toluidine	ND(0.010)	ND(0.010) J	ND(0.010) J [ND(0.010) J]
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Pentachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Pentachloroethane	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Pentachloronitrobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Pentachlorophenol	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
Phenacetin	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Phenanthrene	0.017	ND(0.010)	ND(0.010) [ND(0.010)]
Phenol	0.0083 J	ND(0.010)	ND(0.010) [ND(0.010)]
Pronamide	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Pyrene	0.0016 J	ND(0.010)	ND(0.010) [ND(0.010)]
Pyridine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Safrole	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]
Thionazin	ND(0.010)	ND(0.010) J	ND(0.010) [ND(0.010)]

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 10/20/05	82B-R 11/08/05	89B 11/09/05
Organochlorine Pesticides			
4,4'-DDD	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
4,4'-DDE	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
4,4'-DDT	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Aldrin	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Alpha-BHC	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Alpha-Chlordane	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Beta-BHC	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Delta-BHC	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Dieldrin	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Endosulfan I	ND(0.0019)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Endosulfan II	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Endosulfan Sulfate	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Endrin	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Endrin Aldehyde	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Endrin Ketone	ND(0.0038)	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Gamma-BHC (Lindane)	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Gamma-Chlordane	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Heptachlor	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Heptachlor Epoxide	ND(0.0019)	ND(0.000050)	ND(0.000050) [ND(0.000050)]
Kepone	ND(0.050) J	ND(0.050) J	ND(0.050) J [ND(0.050) J]
Methoxychlor	ND(0.019)	ND(0.00050)	ND(0.00050) [ND(0.00050)]
Technical Chlordane	ND(0.0038)	ND(0.00050)	ND(0.00050) [ND(0.00050)]
Toxaphene	ND(0.031)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Organophosphate Pesticides			
Dimethoate	ND(0.050) J	ND(0.050) J	ND(0.050) J [ND(0.050) J]
Disulfoton	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Ethyl Parathion	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Famphur	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]
Methyl Parathion	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Phorate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Sulfotep	ND(0.010) J	ND(0.010)	ND(0.010) J [ND(0.010) J]
Herbicides			
2,4,5-T	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]
2,4,5-TP	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]
2,4-D	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dinoseb	ND(0.0010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Furans			
2,3,7,8-TCDF	ND(0.0000000058)	ND(0.0000000032)	0.0000000019 J [ND(0.0000000027)]
TCDFs (total)	0.000000086	ND(0.0000000032)	0.0000000019 J [ND(0.0000000027)]
1,2,3,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000054) X	ND(0.0000000050) [ND(0.0000000069)]
2,3,4,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000056)]
PeCDFs (total)	0.000000018 J	ND(0.0000000050)	ND(0.0000000050) [ND(0.000000012)]
1,2,3,4,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
1,2,3,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
1,2,3,7,8,9-HxCDF	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
2,3,4,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
HxCDFs (total)	0.0000000080 J	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000053)]
HpCDFs (total)	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000053)]
OCDF	ND(0.0000000099)	ND(0.0000000099)	ND(0.0000000099) [ND(0.0000000099)]
Dioxins			
2,3,7,8-TCDD	ND(0.0000000025)	ND(0.0000000044)	ND(0.0000000021) [ND(0.0000000036)]
TCDDs (total)	ND(0.0000000025)	ND(0.0000000044)	ND(0.0000000036) [ND(0.0000000036)]
1,2,3,7,8-PeCDD	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000052)]
PeCDDs (total)	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000052)]
1,2,3,4,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
1,2,3,7,8,9-HxCDD	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
HxCDDs (total)	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000049)]
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050)	ND(0.0000000054)	ND(0.0000000050) [ND(0.0000000062)]
HpCDDs (total)	ND(0.0000000050)	ND(0.0000000054)	ND(0.0000000050) [ND(0.000000011)]
OCDD	ND(0.000000034)	ND(0.000000018)	ND(0.000000015) [ND(0.000000018)]
Total TEQs (WHO TEFs)	0.0000000072	0.0000000081	0.0000000069 [0.0000000079]

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FALL 2005 GROUNDWATER ANALYTICAL RESULTS

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GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78B-R 10/20/05	82B-R 11/08/05	89B 11/09/05
Inorganics-Unfiltered			
Antimony	0.00820 B	0.00780 B	ND(0.0600) [ND(0.0600)]
Arsenic	ND(0.0100)	0.00580 B	0.00540 B [ND(0.0100)]
Barium	2.40	0.0760 B	0.0710 B [0.0710 B]
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100) [ND(0.00100)]
Cadmium	0.000720 B	0.00110 B	0.000850 B [0.000570 B]
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Copper	0.00160 B	ND(0.0250)	ND(0.0250) [ND(0.0250)]
Cyanide	0.00180 B	ND(0.0100)	0.00480 B [0.00140 B]
Lead	0.00570	ND(0.00300)	ND(0.00300) [ND(0.00300)]
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200) [ND(0.000200)]
Nickel	0.0200 B	ND(0.0400)	ND(0.0400) [ND(0.0400)]
Selenium	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J [ND(0.00500) J]
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Sulfide	ND(5.00)	ND(5.0)	ND(5.0) [ND(5.0)]
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J [ND(0.0100) J]
Tin	ND(0.0300)	ND(0.0300)	ND(0.0300) [ND(0.0300)]
Vanadium	0.00270 B	0.00410 B	0.00240 B [0.00220 B]
Zinc	ND(0.0200)	ND(0.0200)	ND(0.0200) [ND(0.0200)]
Inorganics-Filtered			
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600) [ND(0.0600)]
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Barium	2.10	0.0540 B	0.0550 B [0.0550 B]
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100) [ND(0.00100)]
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Chromium	ND(0.010)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250) [ND(0.0250)]
Cyanide	0.00170 B	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Lead	ND(0.0030)	ND(0.00300)	ND(0.00300) [ND(0.00300)]
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200) [ND(0.000200)]
Nickel	0.0170 B	ND(0.0400)	ND(0.0400) [ND(0.0400)]
Selenium	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J [ND(0.00500) J]
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Thallium	ND(0.0100)	ND(0.0100) J	ND(0.0100) J [ND(0.0100) J]
Tin	ND(0.0300)	ND(0.0300)	ND(0.0300) [ND(0.0300)]
Vanadium	ND(0.0500)	0.00200 B	ND(0.0500) [ND(0.0500)]
Zinc	ND(0.0200)	ND(0.0200)	ND(0.0200) [0.00460 B]

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	90B 11/04/05	95B-R 11/04/05	111-BR 11/03/05	114A 12/08/05	114B-R 12/08/05
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(1.0)	ND(0.050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(1.0)	ND(0.050)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0) J	ND(0.050) J
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(1.0)	ND(0.050)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(1.0) J	ND(0.20) J
2-Butanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
2-Hexanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)
Acetone	ND(0.010)	ND(0.010)	ND(0.010)	ND(1.0) J	ND(0.050) J
Acetonitrile	ND(0.10)	ND(0.10)	ND(0.10)	ND(1.0)	ND(0.10)
Acrolein	ND(0.10) J	ND(0.10) J	ND(0.10)	ND(1.0)	ND(0.10)
Acrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0) J	ND(0.050) J
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.68 J	ND(0.050)
Bromodichloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Bromomethane	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(1.0)	ND(0.050)
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Chlorobenzene	ND(0.0050)	0.012	ND(0.0050)	ND(1.0)	3.3
Chloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0) J	ND(0.050) J
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Chloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Dichlorodifluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Ethyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	11	ND(0.050)
Iodomethane	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(1.0)	ND(0.050)
Isobutanol	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(1.0)	ND(0.10)
Methacrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Methyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Propionitrile	ND(0.010)	ND(0.010)	ND(0.010)	ND(1.0)	ND(0.050)
Styrene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Tetrachloroethene	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(1.0)	ND(0.050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	17	ND(0.050)
Total VOCs	ND(0.20)	0.012	ND(0.20)	97	3.3
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Vinyl Acetate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(1.0)	ND(0.050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(1.0)	ND(0.050)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	68	ND(0.050)
PCBs-Unfiltered					
Aroclor-1016	ND(0.000065)	ND(0.000065)	R	NA	ND(0.000065)
Aroclor-1221	ND(0.000065)	ND(0.000065)	R	NA	ND(0.000065)
Aroclor-1232	ND(0.000065)	ND(0.000065)	R	NA	ND(0.000065)
Aroclor-1242	ND(0.000065)	ND(0.000065)	R	NA	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)	R	NA	ND(0.000065)
Aroclor-1254	0.000066	0.000036 J	0.000036 J	NA	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	R	NA	ND(0.000065)
Total PCBs	0.000066	0.000036 J	0.000036 J	NA	ND(0.000065)

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

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GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	90B 11/04/05	95B-R 11/04/05	111-BR 11/03/05	114A 12/08/05	114B-R 12/08/05
PCBs-Filtered					
Aroclor-1016	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1232	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1242	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1254	0.000029 J	ND(0.000065)	0.000034 J	NA	NA
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	NA
Total PCBs	0.000029 J	ND(0.000065)	0.000034 J	NA	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	NA	ND(0.010) J
1,2-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	NA	0.015 J
1,2-Diphenylhydrazine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
1,3,5-Trinitrobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
1,3-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	NA	0.0030 J
1,3-Dinitrobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
1,4-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	NA	0.019 J
1,4-Naphthoquinone	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
1-Naphthylamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
2,3,4,6-Tetrachlorophenol	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	R
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
2,4,6-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
2,4-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
2,4-Dinitrophenol	ND(0.050) J	ND(0.050) J	ND(0.050)	NA	R
2,4-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
2,6-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
2,6-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
2-Acetylaminofluorene	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
2-Chloronaphthalene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
2-Chlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
2-Methylnaphthalene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
2-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
2-Naphthylamine	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
2-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050) J
2-Nitrophenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
2-Picoline	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
3&4-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.020)	NA	ND(0.020) J
3,3'-Dimethylbenzidine	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
3-Methylcholanthrene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
3-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050) J
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.050)	ND(0.050)	NA	R
4-Aminobiphenyl	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
4-Bromophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
4-Chloroaniline	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
4-Chlorobenzilate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
4-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	NA	ND(0.050) J
4-Nitrophenol	ND(0.050)	ND(0.050)	ND(0.050)	NA	R
4-Nitroquinoline-1-oxide	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
4-Phenylenediamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
5-Nitro-o-toluidine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
a,a'-Dimethylphenethylamine	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Acenaphthylene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Acetophenone	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Aniline	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Anthracene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Aramite	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
Benzidine	ND(0.020) J	ND(0.020) J	ND(0.020) J	NA	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Benzo(a)pyrene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J

TABLE C-1
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GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	90B 11/04/05	95B-R 11/04/05	111-BR 11/03/05	114A 12/08/05	114B-R 12/08/05
Semivolatile Organics (continued)					
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Benzo(g,h,i)perylene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Benzo(k)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Benzyl Alcohol	ND(0.020)	ND(0.020)	ND(0.020)	NA	ND(0.020) J
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060)	NA	ND(0.0060) J
Butylbenzylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Chrysene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Diallate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Diethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Di-n-Butylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Di-n-Octylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Diphenylamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Ethyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Fluoranthene	ND(0.010)	ND(0.010)	ND(0.010) J	NA	ND(0.010) J
Fluorene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Hexachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Hexachlorobutadiene	ND(0.0010) J	ND(0.0010) J	ND(0.0010) J	ND(1.0)	ND(0.050)
Hexachlorocyclopentadiene	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
Hexachloroethane	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Hexachlorophene	ND(0.020) J	ND(0.020) J	ND(0.020) J	NA	ND(0.020) J
Hexachloropropene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Isodrin	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Isophorone	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Isosafrole	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
Methapyrilene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Methyl Methanesulfonate	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
Naphthalene	ND(0.010)	ND(0.0050)	ND(0.010)	NA	ND(0.010) J
Nitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitrosomorpholine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitrosopiperidine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
N-Nitrosopyrrolidine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
o-Toluidine	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.010)	ND(0.010) J	NA	ND(0.010) J
Pentachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) J	NA	ND(0.010) J
Pentachloroethane	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Pentachloronitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Pentachlorophenol	ND(0.050)	ND(0.050)	ND(0.050)	NA	R
Phenacetin	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Phenanthrene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Phenol	ND(0.010)	ND(0.010)	ND(0.010)	NA	R
Pronamide	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Pyrene	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Pyridine	ND(0.010)	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Safrole	ND(0.010) J	ND(0.010) J	ND(0.010) J	NA	ND(0.010) J
Thionazin	ND(0.010)	ND(0.010)	ND(0.010) J	NA	ND(0.010) J

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FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	90B 11/04/05	95B-R 11/04/05	111-BR 11/03/05	114A 12/08/05	114B-R 12/08/05
Organochlorine Pesticides					
4,4'-DDD	R	ND(0.00010)	NA	NA	ND(0.00010)
4,4'-DDE	R	ND(0.00010)	NA	NA	ND(0.00010)
4,4'-DDT	R	ND(0.00010)	NA	NA	ND(0.00010)
Aldrin	R	ND(0.000050)	NA	NA	ND(0.000050)
Alpha-BHC	R	ND(0.000050)	NA	NA	ND(0.000050)
Alpha-Chlordane	R	ND(0.000050)	NA	NA	ND(0.000050)
Beta-BHC	R	ND(0.000050)	NA	NA	ND(0.000050)
Delta-BHC	R	ND(0.000050)	NA	NA	ND(0.000050)
Dieldrin	R	ND(0.00010)	NA	NA	ND(0.00010)
Endosulfan I	R	ND(0.00010)	NA	NA	ND(0.00010)
Endosulfan II	R	ND(0.00010)	NA	NA	ND(0.00010)
Endosulfan Sulfate	R	ND(0.00010)	NA	NA	ND(0.00010)
Endrin	R	ND(0.00010)	NA	NA	ND(0.00010)
Endrin Aldehyde	R	ND(0.00010)	NA	NA	ND(0.00010)
Endrin Ketone	R	ND(0.00010)	NA	NA	ND(0.00010)
Gamma-BHC (Lindane)	R	ND(0.000050)	NA	NA	ND(0.000050)
Gamma-Chlordane	R	ND(0.000050)	NA	NA	ND(0.000050)
Heptachlor	R	ND(0.000050)	NA	NA	ND(0.000050)
Heptachlor Epoxide	R	ND(0.000050)	NA	NA	ND(0.000050)
Kepone	R	ND(0.050) J	NA	NA	ND(0.050) J
Methoxychlor	R	ND(0.00050)	NA	NA	ND(0.00050)
Technical Chlordane	R	ND(0.00050)	NA	NA	ND(0.00050)
Toxaphene	R	ND(0.0010)	NA	NA	ND(0.0010)
Organophosphate Pesticides					
Dimethoate	ND(0.050) J	ND(0.050) J	NA	NA	ND(0.050) J
Disulfoton	ND(0.010)	ND(0.010)	NA	NA	ND(0.010)
Ethyl Parathion	ND(0.010)	ND(0.010)	NA	NA	ND(0.010)
Famphur	ND(0.050)	ND(0.050)	NA	NA	ND(0.050)
Methyl Parathion	ND(0.010)	ND(0.010)	NA	NA	ND(0.010)
Phorate	ND(0.010)	ND(0.010)	NA	NA	ND(0.010)
Sulfotep	ND(0.010) J	ND(0.010) J	NA	NA	ND(0.010)
Herbicides					
2,4,5-T	ND(0.0020)	ND(0.0020)	NA	NA	ND(0.0020)
2,4,5-TP	ND(0.0020)	ND(0.0020)	NA	NA	ND(0.0020)
2,4-D	ND(0.010)	ND(0.010)	NA	NA	ND(0.010)
Dinoseb	ND(0.0010)	ND(0.0010)	NA	NA	ND(0.0010)
Furans					
2,3,7,8-TCDF	ND(0.0000000031)	ND(0.0000000021) X	ND(0.0000000030)	NA	ND(0.0000000038)
TCDFs (total)	ND(0.0000000031)	ND(0.0000000017)	ND(0.0000000030)	NA	ND(0.0000000038)
1,2,3,7,8-PeCDF	ND(0.0000000088)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
PeCDFs (total)	ND(0.000000014)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
1,2,3,4,7,8-HxCDF	0.0000000057 J	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
1,2,3,6,7,8-HxCDF	ND(0.0000000062)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
1,2,3,7,8,9-HxCDF	ND(0.0000000050) X	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	ND(0.0000000049)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
HxCDFs (total)	ND(0.000000012)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
1,2,3,4,6,7,8-HpCDF	0.0000000061 J	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000051)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000051)
HpCDFs (total)	ND(0.000000011)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
OCDF	ND(0.000000010)	ND(0.0000000097)	ND(0.000000010)	NA	ND(0.000000012)
Dioxins					
2,3,7,8-TCDD	ND(0.0000000031)	ND(0.0000000027)	ND(0.0000000041)	NA	ND(0.0000000045)
TCDDs (total)	ND(0.0000000031)	ND(0.0000000027)	ND(0.0000000041)	NA	ND(0.0000000045)
1,2,3,7,8-PeCDD	ND(0.0000000074)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
PeCDDs (total)	ND(0.0000000074)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000049)
1,2,3,4,7,8-HxCDD	0.0000000060 J	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000081)
1,2,3,6,7,8-HxCDD	ND(0.0000000056)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000079)
1,2,3,7,8,9-HxCDD	ND(0.0000000064)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000081)
HxCDDs (total)	ND(0.000000018)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000080)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000066)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000090)
HpCDDs (total)	ND(0.0000000066)	ND(0.0000000048)	ND(0.0000000050)	NA	ND(0.0000000090)
OCDD	ND(0.000000022)	ND(0.000000013)	ND(0.000000016)	NA	ND(0.00000013)
Total TEQs (WHO TEFs)	0.0000000096	0.0000000069	0.0000000079	NA	0.0000000085

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	90B 11/04/05	95B-R 11/04/05	111-BR 11/03/05	114A 12/08/05	114B-R 12/08/05
Inorganics-Unfiltered					
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	NA	ND(0.0600)
Arsenic	0.00930 B	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Barium	0.0360 B	0.0780 B	0.0360 B	NA	0.250
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	NA	ND(0.00100)
Cadmium	ND(0.0050)	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Chromium	0.00330 B	ND(0.0100)	0.00100 B	NA	ND(0.0100)
Cobalt	0.00110 B	0.000860 B	ND(0.0500)	NA	ND(0.0500)
Copper	ND(0.025)	ND(0.0250)	ND(0.0250)	NA	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	0.00260 B	NA	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)	NA	ND(0.0030)
Mercury	ND(0.00020)	ND(0.00020)	ND(0.00020)	NA	ND(0.000200)
Nickel	ND(0.040)	ND(0.0400)	ND(0.0400)	NA	ND(0.0400)
Selenium	0.00520	ND(0.00500)	ND(0.0086) J	NA	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Sulfide	3.20 B	3.20 B	ND(5.00)	NA	ND(5.00)
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Tin	ND(0.0300)	ND(0.0300)	ND(0.0300)	NA	ND(0.0300)
Vanadium	0.00270 B	0.00140 B	0.00200 B	NA	0.00160 B
Zinc	ND(0.0200)	ND(0.0200)	ND(0.0200)	NA	ND(0.0200)
Inorganics-Filtered					
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	NA	0.00720 B
Arsenic	0.00840 B	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Barium	0.0350 B	0.0680 B	0.0340 B	NA	0.240
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	NA	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Chromium	0.00290 B	ND(0.0100)	0.000740 B	NA	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)	NA	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	0.00240 B	NA	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)	NA	ND(0.00300)
Mercury	ND(0.00020)	ND(0.00020)	ND(0.00020)	NA	ND(0.000200)
Nickel	0.00200 B	ND(0.0400)	ND(0.0400)	NA	ND(0.040)
Selenium	ND(0.00500) J	ND(0.00500) J	ND(0.00500)	NA	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Tin	ND(0.0300)	ND(0.0300)	ND(0.0300)	NA	ND(0.0300)
Vanadium	0.00160 B	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc	0.00420 B	ND(0.0200)	ND(0.0200)	NA	ND(0.0200)

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GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-2 10/18/05	GMA3-3 10/19/05	GMA3-4 10/19/05	GMA3-5 10/18/05	GMA3-6 10/21/05
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
2-Butanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetonitrile	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Acrolein	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.0050) J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene	0.012	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	0.0048 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050) J	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Methacrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Styrene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020) J	ND(0.0020)	ND(0.0020)	ND(0.0020)	0.0025
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0024 J
Total VOCs	0.012	0.0048 J	ND(0.20)	ND(0.20)	0.0049 J
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1016	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1221	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1232	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1242	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	0.00033	NA	0.00014	0.00021
Aroclor-1260	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Total PCBs	NA	0.00033	NA	0.00014	0.00021

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(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-2 10/18/05	GMA3-3 10/19/05	GMA3-4 10/19/05	GMA3-5 10/18/05	GMA3-6 10/21/05
PCBs-Filtered					
Aroclor-1016	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1221	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1232	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1242	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	0.00012	NA	0.000046 J	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Total PCBs	NA	0.00012	NA	0.000046 J	ND(0.000065)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
1,3-Dichlorobenzene	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
1,4-Dichlorobenzene	0.0016 J	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
1-Naphthylamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,3,4,6-Tetrachlorophenol	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010)
2,4,5-Trichlorophenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	NA	ND(0.050)	NA	ND(0.050)	ND(0.050) J
2,4-Dinitrotoluene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Acetylaminofluorene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Chloronaphthalene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Chlorophenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Methylnaphthalene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Methylphenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Naphthylamine	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
2-Nitroaniline	NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
2-Nitrophenol	NA	ND(0.010)	NA	ND(0.010)	0.0072 J
2-Picoline	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
3&4-Methylphenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
3,3'-Dichlorobenzidine	NA	ND(0.020)	NA	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
3-Methylcholanthrene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
3-Nitroaniline	NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Aminobiphenyl	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
4-Bromophenyl-phenylether	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chloroaniline	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chlorobenzilate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Chlorophenyl-phenylether	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
4-Nitroaniline	NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
4-Nitrophenol	NA	ND(0.050) J	NA	ND(0.050) J	ND(0.050)
4-Nitroquinoline-1-oxide	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010)
4-Phenylenediamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
5-Nitro-o-toluidine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Acenaphthene	NA	0.0013 J	NA	ND(0.010)	ND(0.010)
Acenaphthylene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Acetophenone	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Aniline	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Anthracene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Aramite	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzidine	NA	ND(0.020) J	NA	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(a)pyrene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-2 10/18/05	GMA3-3 10/19/05	GMA3-4 10/19/05	GMA3-5 10/18/05	GMA3-6 10/21/05
Semivolatile Organics (continued)					
Benzo(b)fluoranthene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Benzyl Alcohol	NA	ND(0.020)	NA	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	NA	ND(0.010)	NA	ND(0.010)	ND(0.010) J
bis(2-Chloroethyl)ether	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010)
bis(2-Ethylhexyl)phthalate	NA	ND(0.0060)	NA	ND(0.0060)	ND(0.0060)
Butylbenzylphthalate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Chrysene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diallate	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Dibenzo(a,h)anthracene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dibenzofuran	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diethylphthalate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Dimethylphthalate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Diphenylamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Fluoranthene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Fluorene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorobenzene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorobutadiene	NA	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Hexachloroethane	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Hexachlorophene	NA	ND(0.020) J	NA	ND(0.020) J	ND(0.020) J
Hexachloropropene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Indeno(1,2,3-cd)pyrene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isodrin	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isophorone	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Isosafrole	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Methapyrilene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Methyl Methanesulfonate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Naphthalene	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Nitrobenzene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosomorpholine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosopiperidine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
N-Nitrosopyrrolidine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
o-Toluidine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachlorobenzene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachloroethane	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pentachlorophenol	NA	ND(0.050)	NA	ND(0.050)	ND(0.050)
Phenacetin	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Phenanthrene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Phenol	NA	ND(0.010)	NA	ND(0.010)	0.011
Pronamide	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pyrene	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Pyridine	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Safrole	NA	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J
Thionazin	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-2 10/18/05	GMA3-3 10/19/05	GMA3-4 10/19/05	GMA3-5 10/18/05	GMA3-6 10/21/05
Organochlorine Pesticides					
4,4'-DDD	NA	ND(0.00010) J	NA	NA	NA
4,4'-DDE	NA	ND(0.00010) J	NA	NA	NA
4,4'-DDT	NA	ND(0.00010) J	NA	NA	NA
Aldrin	NA	ND(0.000050) J	NA	NA	NA
Alpha-BHC	NA	ND(0.000050) J	NA	NA	NA
Alpha-Chlordane	NA	ND(0.000050) J	NA	NA	NA
Beta-BHC	NA	ND(0.000050) J	NA	NA	NA
Delta-BHC	NA	ND(0.000050) J	NA	NA	NA
Dieldrin	NA	ND(0.00010) J	NA	NA	NA
Endosulfan I	NA	ND(0.00010) J	NA	NA	NA
Endosulfan II	NA	ND(0.00010) J	NA	NA	NA
Endosulfan Sulfate	NA	ND(0.00010) J	NA	NA	NA
Endrin	NA	ND(0.00010) J	NA	NA	NA
Endrin Aldehyde	NA	ND(0.00010) J	NA	NA	NA
Endrin Ketone	NA	ND(0.00010) J	NA	NA	NA
Gamma-BHC (Lindane)	NA	ND(0.000050) J	NA	NA	NA
Gamma-Chlordane	NA	ND(0.000050) J	NA	NA	NA
Heptachlor	NA	ND(0.000050) J	NA	NA	NA
Heptachlor Epoxide	NA	ND(0.000050) J	NA	NA	NA
Kepone	NA	ND(0.050) J	NA	NA	NA
Methoxychlor	NA	ND(0.00050) J	NA	NA	NA
Technical Chlordane	NA	ND(0.00050) J	NA	NA	NA
Toxaphene	NA	ND(0.0010) J	NA	NA	NA
Organophosphate Pesticides					
Dimethoate	NA	ND(0.050) J	NA	NA	NA
Disulfoton	NA	ND(0.010)	NA	NA	NA
Ethyl Parathion	NA	ND(0.010)	NA	NA	NA
Famphur	NA	ND(0.050)	NA	NA	NA
Methyl Parathion	NA	ND(0.010)	NA	NA	NA
Phorate	NA	ND(0.010)	NA	NA	NA
Sulfotep	NA	ND(0.010) J	NA	NA	NA
Herbicides					
2,4,5-T	NA	ND(0.0020)	NA	NA	NA
2,4,5-TP	NA	ND(0.0020)	NA	NA	NA
2,4-D	NA	ND(0.010)	NA	NA	NA
Dinoseb	NA	ND(0.0010)	NA	NA	NA
Furans					
2,3,7,8-TCDF	NA	ND(0.0000000040)	NA	ND(0.0000000050)	ND(0.0000000039)
TCDFs (total)	NA	ND(0.0000000064)	NA	ND(0.0000000050)	ND(0.0000000039)
1,2,3,7,8-PeCDF	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
2,3,4,7,8-PeCDF	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
PeCDFs (total)	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
HxCDFs (total)	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
HpCDFs (total)	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
OCDF	NA	ND(0.000000010)	NA	ND(0.000000010)	ND(0.000000010)
Dioxins					
2,3,7,8-TCDD	NA	ND(0.0000000025)	NA	ND(0.0000000034)	ND(0.0000000027)
TCDDs (total)	NA	ND(0.0000000025)	NA	ND(0.0000000034)	ND(0.0000000027)
1,2,3,7,8-PeCDD	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
PeCDDs (total)	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
HxCDDs (total)	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
HpCDDs (total)	NA	ND(0.0000000050)	NA	ND(0.0000000050)	ND(0.0000000050)
OCDD	NA	ND(0.000000011)	NA	ND(0.000000015)	ND(0.000000020)
Total TEQs (WHO TEFs)	NA	0.0000000072	NA	0.0000000077	0.0000000072

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-2 10/18/05	GMA3-3 10/19/05	GMA3-4 10/19/05	GMA3-5 10/18/05	GMA3-6 10/21/05
Inorganics-Unfiltered					
Antimony	NA	ND(0.0600)	NA	ND(0.0600)	ND(0.0600)
Arsenic	NA	0.0180	NA	ND(0.0100)	0.00400 B
Barium	NA	0.140 B	NA	0.0330 B	0.290
Beryllium	NA	ND(0.00100)	NA	ND(0.00100)	ND(0.00100)
Cadmium	NA	0.00110 B	NA	0.000650 B	0.00110 B
Chromium	NA	0.00120 B	NA	ND(0.0100)	ND(0.0100)
Cobalt	NA	0.00130 B	NA	ND(0.0500)	0.00430 B
Copper	NA	0.00360 B	NA	0.00210 B	0.00230 B
Cyanide	NA	0.00450 B	NA	ND(0.0100)	0.00140 B
Lead	NA	0.00260 B	NA	0.00250 B	0.00540
Mercury	NA	ND(0.000200)	NA	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.040)	NA	ND(0.040)	ND(0.040)
Selenium	NA	ND(0.00500) J	NA	ND(0.00500) J	ND(0.00500) J
Silver	NA	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Sulfide	NA	ND(5.00)	NA	ND(5.00)	ND(5.00)
Thallium	NA	ND(0.0100) J	NA	ND(0.0100) J	ND(0.0100) J
Tin	NA	ND(0.0300)	NA	ND(0.0300)	ND(0.0300)
Vanadium	NA	0.00600 B	NA	0.00210 B	ND(0.0500)
Zinc	NA	0.00450 B	NA	0.00640 B	0.00890 B
Inorganics-Filtered					
Antimony	NA	ND(0.0600)	NA	ND(0.0600)	ND(0.0600)
Arsenic	NA	0.0120	NA	ND(0.0100)	0.00370 B
Barium	NA	0.140 B	NA	0.0320 B	0.260
Beryllium	NA	ND(0.00100)	NA	ND(0.00100)	0.00290
Cadmium	NA	0.000660 B	NA	ND(0.00500)	0.00310 B
Chromium	NA	ND(0.0100)	NA	ND(0.0100)	0.00360 B
Cobalt	NA	ND(0.0500)	NA	ND(0.0500)	0.00640 B
Copper	NA	0.00160 B	NA	0.00140 B	0.00290 B
Cyanide	NA	0.00390 B	NA	ND(0.0100)	0.00230 B
Lead	NA	ND(0.0030)	NA	ND(0.00300)	ND(0.0030)
Mercury	NA	ND(0.000200)	NA	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	NA	ND(0.0400)	0.00720 B
Selenium	NA	ND(0.00500) J	NA	ND(0.00500) J	0.00820 J
Silver	NA	ND(0.00500)	NA	ND(0.00500)	0.00270 B
Thallium	NA	ND(0.0100) J	NA	ND(0.0100) J	ND(0.0100)
Tin	NA	ND(0.0300)	NA	ND(0.0300)	ND(0.0300)
Vanadium	NA	0.00460 B	NA	0.00200 B	0.00320 B
Zinc	NA	ND(0.0200)	NA	ND(0.0030)	0.0130 B

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 10/19/05	GMA3-8 10/18/05	GMA3-9 10/18/05	OBG-2 10/19/05
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20)	ND(0.20) J [ND(0.20) J]	ND(0.20) J	ND(0.20)
2-Butanone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acetone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acetonitrile	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Acrolein	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.0050)	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J	ND(0.0050)
Benzene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0025 J
Bromodichloromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050)	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J	ND(0.0050)
Ethyl Methacrylate	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Methacrylonitrile	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010)	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010)
Styrene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020)	ND(0.0020) J [ND(0.0020) J]	ND(0.0020) J	ND(0.0020)
Toluene	0.0015 J	ND(0.0050) [ND(0.0050)]	0.0012 J	0.0016 J
Total VOCs	0.0015 J	ND(0.20) [ND(0.20)]	0.0012 J	0.0056 J
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	0.0015 J
Xylenes (total)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
PCBs-Unfiltered				
Aroclor-1016	ND(0.000065)	NA	NA	NA
Aroclor-1221	ND(0.000065)	NA	NA	NA
Aroclor-1232	ND(0.000065)	NA	NA	NA
Aroclor-1242	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000065)	NA	NA	NA
Aroclor-1254	0.00019	NA	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA	NA
Total PCBs	0.00019	NA	NA	NA

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 10/19/05	GMA3-8 10/18/05	GMA3-9 10/18/05	OBG-2 10/19/05
PCBs-Filtered				
Aroclor-1016	ND(0.000065)	NA	NA	NA
Aroclor-1221	ND(0.000065)	NA	NA	NA
Aroclor-1232	ND(0.000065)	NA	NA	NA
Aroclor-1242	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000065)	NA	NA	NA
Aroclor-1254	0.000083	NA	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA	NA
Total PCBs	0.000083	NA	NA	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dichlorobenzene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Diphenylhydrazine	ND(0.010)	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.010) J	NA	NA	NA
1,3-Dichlorobenzene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,3-Dinitrobenzene	ND(0.010) J	NA	NA	NA
1,4-Dichlorobenzene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,4-Naphthoquinone	ND(0.010)	NA	NA	NA
1-Naphthylamine	ND(0.010)	NA	NA	NA
2,3,4,6-Tetrachlorophenol	ND(0.010) J	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.010)	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.010)	NA	NA	NA
2,4-Dichlorophenol	ND(0.010)	NA	NA	NA
2,4-Dimethylphenol	ND(0.010)	NA	NA	NA
2,4-Dinitrophenol	ND(0.050)	NA	NA	NA
2,4-Dinitrotoluene	ND(0.010)	NA	NA	NA
2,6-Dichlorophenol	ND(0.010)	NA	NA	NA
2,6-Dinitrotoluene	ND(0.010)	NA	NA	NA
2-Acetylaminofluorene	ND(0.010)	NA	NA	NA
2-Chloronaphthalene	ND(0.010)	NA	NA	NA
2-Chlorophenol	ND(0.010)	NA	NA	NA
2-Methylnaphthalene	ND(0.010)	NA	NA	NA
2-Methylphenol	ND(0.010)	NA	NA	NA
2-Naphthylamine	ND(0.010) J	NA	NA	NA
2-Nitroaniline	ND(0.050)	NA	NA	NA
2-Nitrophenol	ND(0.010)	NA	NA	NA
2-Picoline	ND(0.010)	NA	NA	NA
3&4-Methylphenol	ND(0.010)	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.020)	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.010)	NA	NA	NA
3-Methylcholanthrene	ND(0.010)	NA	NA	NA
3-Nitroaniline	ND(0.050)	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.050)	NA	NA	NA
4-Aminobiphenyl	ND(0.010) J	NA	NA	NA
4-Bromophenyl-phenylether	ND(0.010)	NA	NA	NA
4-Chloro-3-Methylphenol	ND(0.010)	NA	NA	NA
4-Chloroaniline	ND(0.010)	NA	NA	NA
4-Chlorobenzilate	ND(0.010)	NA	NA	NA
4-Chlorophenyl-phenylether	ND(0.010)	NA	NA	NA
4-Nitroaniline	ND(0.050)	NA	NA	NA
4-Nitrophenol	ND(0.050) J	NA	NA	NA
4-Nitroquinoline-1-oxide	ND(0.010) J	NA	NA	NA
4-Phenylenediamine	ND(0.010)	NA	NA	NA
5-Nitro-o-toluidine	ND(0.010)	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	ND(0.010)	NA	NA	NA
a,a'-Dimethylphenethylamine	ND(0.010) J	NA	NA	NA
Acenaphthene	ND(0.010)	NA	NA	NA
Acenaphthylene	ND(0.010)	NA	NA	NA
Acetophenone	ND(0.010)	NA	NA	NA
Aniline	ND(0.010)	NA	NA	NA
Anthracene	ND(0.010)	NA	NA	NA
Aramite	ND(0.010)	NA	NA	NA
Benzidine	ND(0.020) J	NA	NA	NA
Benzo(a)anthracene	ND(0.010)	NA	NA	NA
Benzo(a)pyrene	ND(0.010)	NA	NA	NA

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 10/19/05	GMA3-8 10/18/05	GMA3-9 10/18/05	OBG-2 10/19/05
Semivolatile Organics (continued)				
Benzo(b)fluoranthene	ND(0.010)	NA	NA	NA
Benzo(g,h,i)perylene	ND(0.010)	NA	NA	NA
Benzo(k)fluoranthene	ND(0.010)	NA	NA	NA
Benzyl Alcohol	ND(0.020)	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.010)	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.010)	NA	NA	NA
bis(2-Chloroisopropyl)ether	ND(0.010) J	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.0060)	NA	NA	NA
Butylbenzylphthalate	ND(0.010)	NA	NA	NA
Chrysene	ND(0.010)	NA	NA	NA
Diallate	ND(0.010) J	NA	NA	NA
Dibenzo(a,h)anthracene	ND(0.010)	NA	NA	NA
Dibenzofuran	ND(0.010)	NA	NA	NA
Diethylphthalate	ND(0.010)	NA	NA	NA
Dimethylphthalate	ND(0.010)	NA	NA	NA
Di-n-Butylphthalate	ND(0.010)	NA	NA	NA
Di-n-Octylphthalate	ND(0.010)	NA	NA	NA
Diphenylamine	ND(0.010)	NA	NA	NA
Ethyl Methanesulfonate	ND(0.010)	NA	NA	NA
Fluoranthene	ND(0.010)	NA	NA	NA
Fluorene	ND(0.010)	NA	NA	NA
Hexachlorobenzene	ND(0.010)	NA	NA	NA
Hexachlorobutadiene	ND(0.0010)	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.010) J	NA	NA	NA
Hexachloroethane	ND(0.010)	NA	NA	NA
Hexachlorophene	ND(0.020) J	NA	NA	NA
Hexachloropropene	ND(0.010)	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.010)	NA	NA	NA
Isodrin	ND(0.010)	NA	NA	NA
Isophorone	ND(0.010)	NA	NA	NA
Isosafrole	ND(0.010) J	NA	NA	NA
Methapyrilene	ND(0.010)	NA	NA	NA
Methyl Methanesulfonate	ND(0.010)	NA	NA	NA
Naphthalene	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Nitrobenzene	ND(0.010)	NA	NA	NA
N-Nitrosodiethylamine	ND(0.010)	NA	NA	NA
N-Nitrosodimethylamine	ND(0.010)	NA	NA	NA
N-Nitroso-di-n-butylamine	ND(0.010)	NA	NA	NA
N-Nitroso-di-n-propylamine	ND(0.010)	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.010)	NA	NA	NA
N-Nitrosomethylethylamine	ND(0.010)	NA	NA	NA
N-Nitrosomorpholine	ND(0.010)	NA	NA	NA
N-Nitrosopiperidine	ND(0.010)	NA	NA	NA
N-Nitrosopyrrolidine	ND(0.010)	NA	NA	NA
o,o,o-Triethylphosphorothioate	ND(0.010)	NA	NA	NA
o-Toluidine	ND(0.010)	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.010)	NA	NA	NA
Pentachlorobenzene	ND(0.010)	NA	NA	NA
Pentachloroethane	ND(0.010)	NA	NA	NA
Pentachloronitrobenzene	ND(0.010)	NA	NA	NA
Pentachlorophenol	ND(0.050)	NA	NA	NA
Phenacetin	ND(0.010)	NA	NA	NA
Phenanthrene	ND(0.010)	NA	NA	NA
Phenol	ND(0.010)	NA	NA	NA
Pronamide	ND(0.010)	NA	NA	NA
Pyrene	ND(0.010)	NA	NA	NA
Pyridine	ND(0.010)	NA	NA	NA
Safrole	ND(0.010) J	NA	NA	NA
Thionazin	ND(0.010)	NA	NA	NA

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 10/19/05	GMA3-8 10/18/05	GMA3-9 10/18/05	OBG-2 10/19/05
Organochlorine Pesticides				
4,4'-DDD	NA	NA	NA	NA
4,4'-DDE	NA	NA	NA	NA
4,4'-DDT	NA	NA	NA	NA
Aldrin	NA	NA	NA	NA
Alpha-BHC	NA	NA	NA	NA
Alpha-Chlordane	NA	NA	NA	NA
Beta-BHC	NA	NA	NA	NA
Delta-BHC	NA	NA	NA	NA
Dieldrin	NA	NA	NA	NA
Endosulfan I	NA	NA	NA	NA
Endosulfan II	NA	NA	NA	NA
Endosulfan Sulfate	NA	NA	NA	NA
Endrin	NA	NA	NA	NA
Endrin Aldehyde	NA	NA	NA	NA
Endrin Ketone	NA	NA	NA	NA
Gamma-BHC (Lindane)	NA	NA	NA	NA
Gamma-Chlordane	NA	NA	NA	NA
Heptachlor	NA	NA	NA	NA
Heptachlor Epoxide	NA	NA	NA	NA
Kepone	NA	NA	NA	NA
Methoxychlor	NA	NA	NA	NA
Technical Chlordane	NA	NA	NA	NA
Toxaphene	NA	NA	NA	NA
Organophosphate Pesticides				
Dimethoate	NA	NA	NA	NA
Disulfoton	NA	NA	NA	NA
Ethyl Parathion	NA	NA	NA	NA
Famphur	NA	NA	NA	NA
Methyl Parathion	NA	NA	NA	NA
Phorate	NA	NA	NA	NA
Sulfotep	NA	NA	NA	NA
Herbicides				
2,4,5-T	NA	NA	NA	NA
2,4,5-TP	NA	NA	NA	NA
2,4-D	NA	NA	NA	NA
Dinoseb	NA	NA	NA	NA
Furans				
2,3,7,8-TCDF	ND(0.0000000041) X	NA	NA	NA
TCDFs (total)	ND(0.0000000022)	NA	NA	NA
1,2,3,7,8-PeCDF	ND(0.0000000050)	NA	NA	NA
2,3,4,7,8-PeCDF	ND(0.0000000050)	NA	NA	NA
PeCDFs (total)	ND(0.0000000050)	NA	NA	NA
1,2,3,4,7,8-HxCDF	ND(0.0000000050)	NA	NA	NA
1,2,3,6,7,8-HxCDF	ND(0.0000000050)	NA	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.0000000050)	NA	NA	NA
2,3,4,6,7,8-HxCDF	ND(0.0000000050)	NA	NA	NA
HxCDFs (total)	ND(0.0000000050)	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050)	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050)	NA	NA	NA
HpCDFs (total)	ND(0.0000000050)	NA	NA	NA
OCDF	ND(0.000000010)	NA	NA	NA
Dioxins				
2,3,7,8-TCDD	ND(0.0000000038)	NA	NA	NA
TCDDs (total)	ND(0.0000000038)	NA	NA	NA
1,2,3,7,8-PeCDD	ND(0.0000000050)	NA	NA	NA
PeCDDs (total)	ND(0.0000000050)	NA	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.0000000050)	NA	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	NA	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000000050)	NA	NA	NA
HxCDDs (total)	ND(0.0000000050)	NA	NA	NA
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050)	NA	NA	NA
HpCDDs (total)	ND(0.0000000050)	NA	NA	NA
OCDD	ND(0.000000016)	NA	NA	NA
Total TEQs (WHO TEFs)	0.0000000078	NA	NA	NA

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA3-7 10/19/05	GMA3-8 10/18/05	GMA3-9 10/18/05	OBG-2 10/19/05
Inorganics-Unfiltered				
Antimony	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.0100)	NA	NA	NA
Barium	0.120 B	NA	NA	NA
Beryllium	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00500)	NA	NA	NA
Chromium	0.000900 B	NA	NA	NA
Cobalt	ND(0.0500)	NA	NA	NA
Copper	0.00150 B	NA	NA	NA
Cyanide	ND(0.0100)	NA	NA	NA
Lead	0.00260 B	NA	NA	NA
Mercury	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00500) J	NA	NA	NA
Silver	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	NA	NA	NA
Thallium	ND(0.0100) J	NA	NA	NA
Tin	ND(0.0300)	NA	NA	NA
Vanadium	0.00220 B	NA	NA	NA
Zinc	ND(0.0200)	NA	NA	NA
Inorganics-Filtered				
Antimony	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.0100)	NA	NA	NA
Barium	0.120 B	NA	NA	NA
Beryllium	ND(0.00100)	NA	NA	NA
Cadmium	0.000560 B	NA	NA	NA
Chromium	ND(0.0100)	NA	NA	NA
Cobalt	ND(0.0500)	NA	NA	NA
Copper	ND(0.0250)	NA	NA	NA
Cyanide	0.00260 B	NA	NA	NA
Lead	ND(0.00300)	NA	NA	NA
Mercury	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00500) J	NA	NA	NA
Silver	ND(0.00500)	NA	NA	NA
Thallium	ND(0.0100) J	NA	NA	NA
Tin	ND(0.0300)	NA	NA	NA
Vanadium	0.00200 B	NA	NA	NA
Zinc	ND(0.0200)	NA	NA	NA

TABLE C-1
FALL 2005 GROUNDWATER ANALYTICAL RESULTS

BASELINE GROUNDWATER QUALITY AND NAPL MONITORING INTERIM REPORT FOR FALL 2005
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, pesticides, herbicides, dioxin/furans

J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.
X - Estimated maximum possible concentration.

Inorganic

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
J - Indicates that the associated numerical value is an estimated concentration.

Appendix D

Historical Groundwater Data

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

Historical Groundwater Data

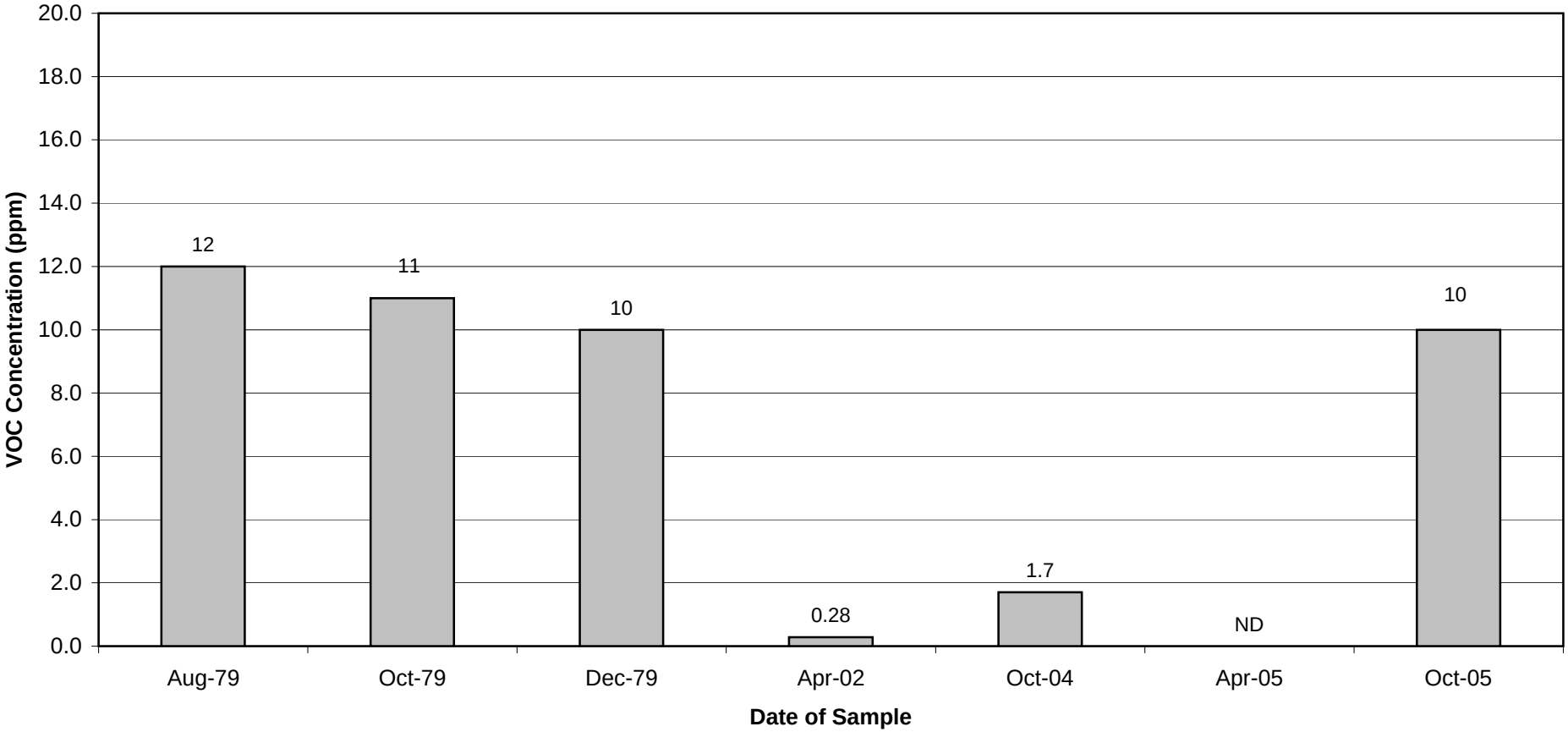
Total VOC Concentrations – Wells Sampled in Fall 2005

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

Appendix D

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

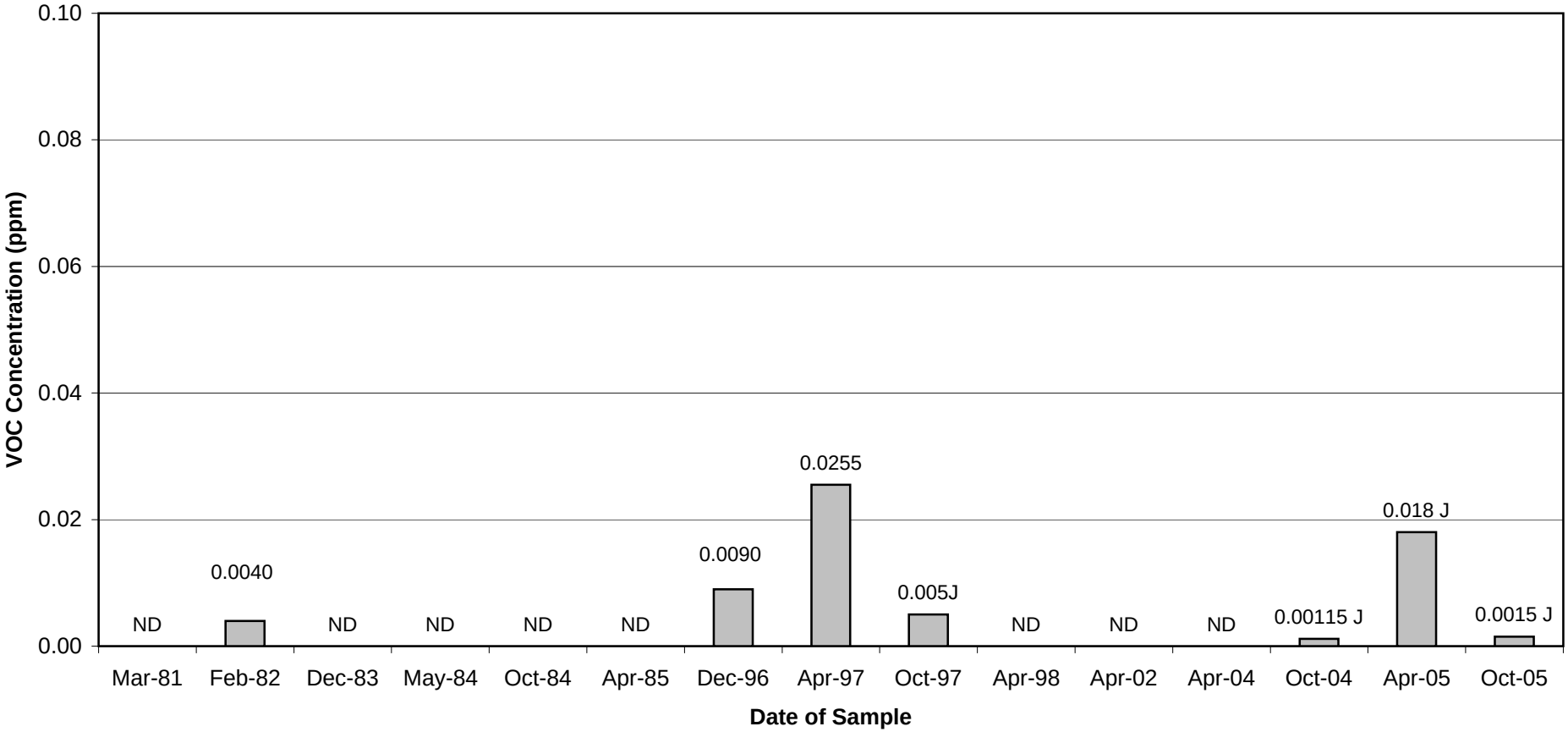
Well 6B/6B-R Historical Total VOC Concentrations



Appendix D

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 16B/16B-R Historical Total VOC Concentrations



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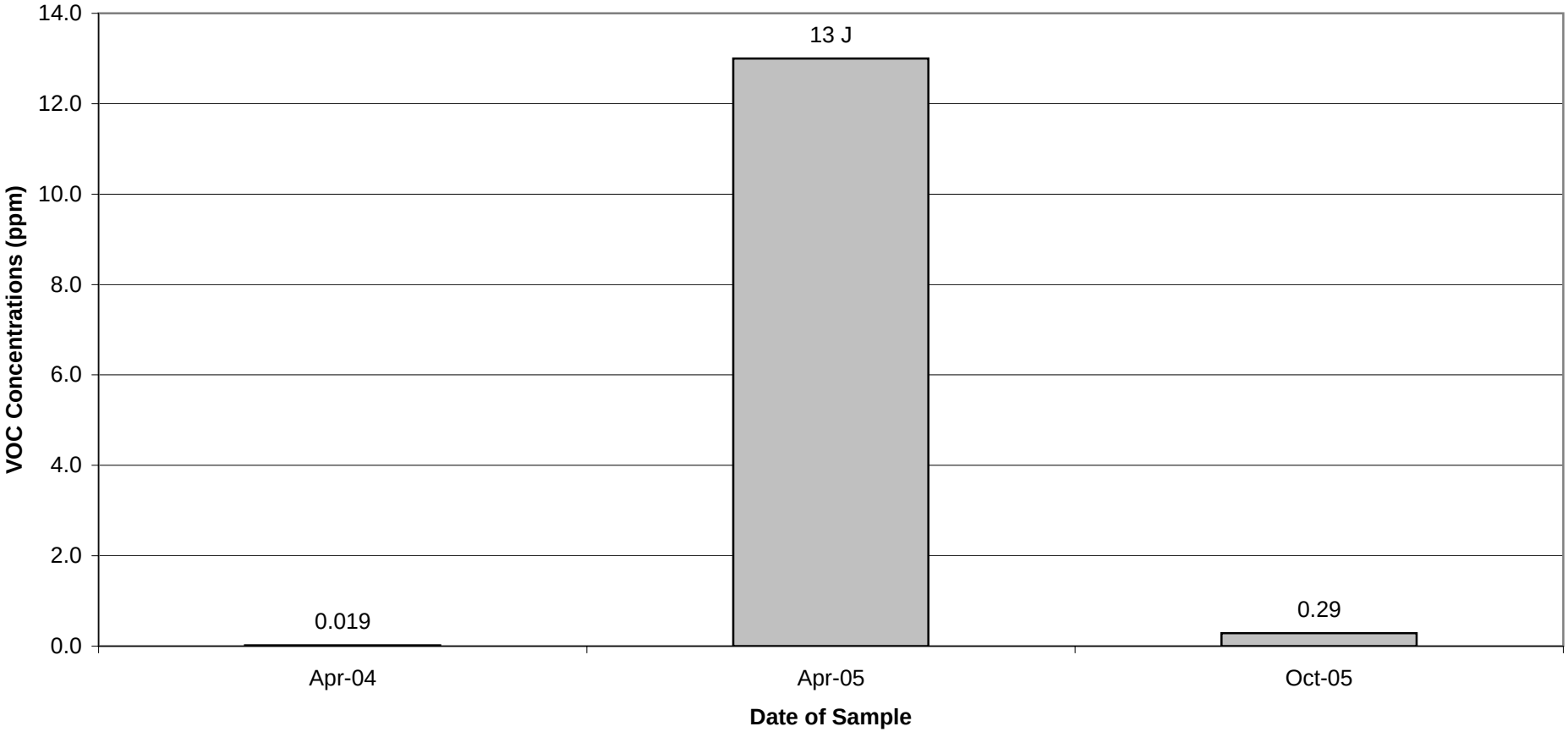
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 39B-R Historical Total VOC Concentrations



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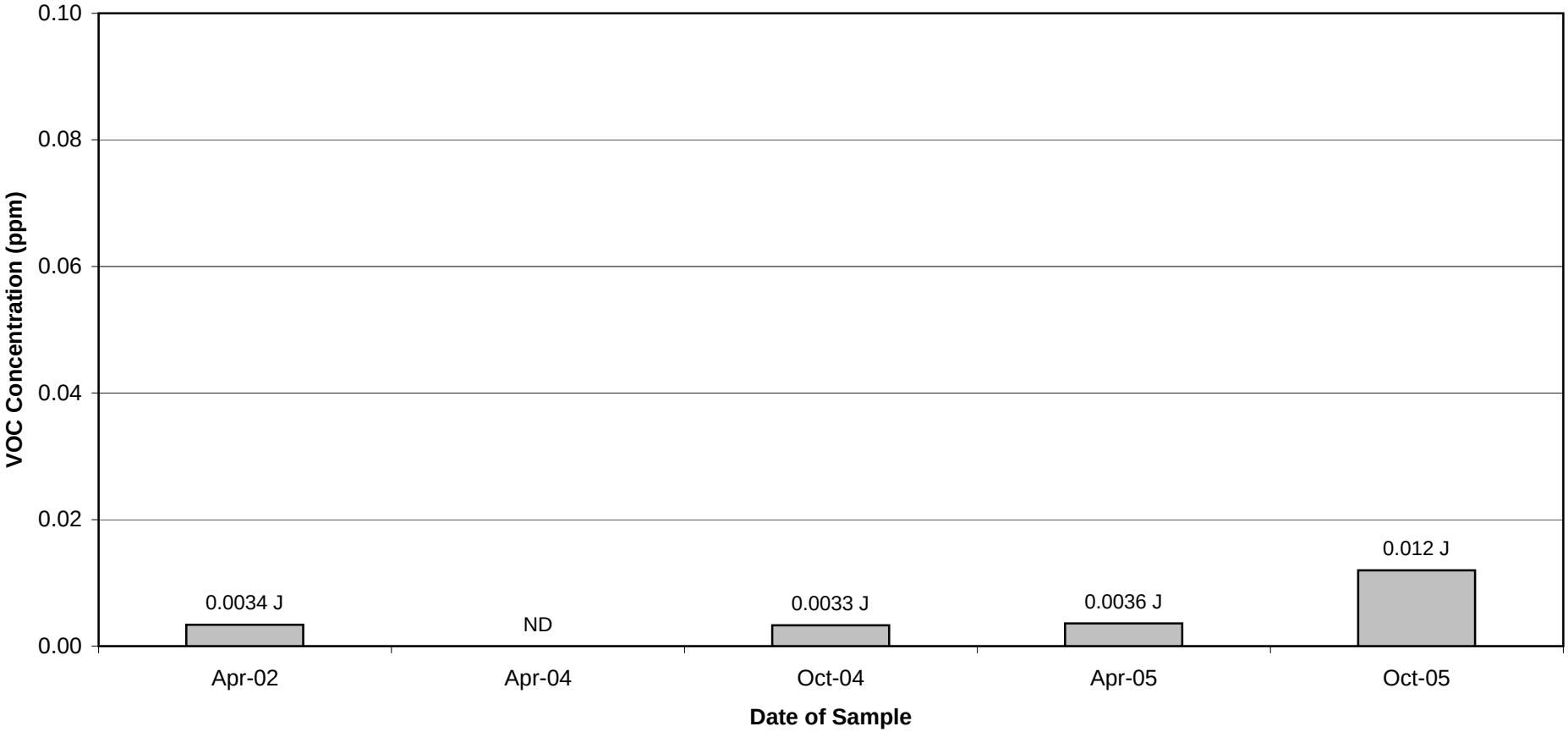
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

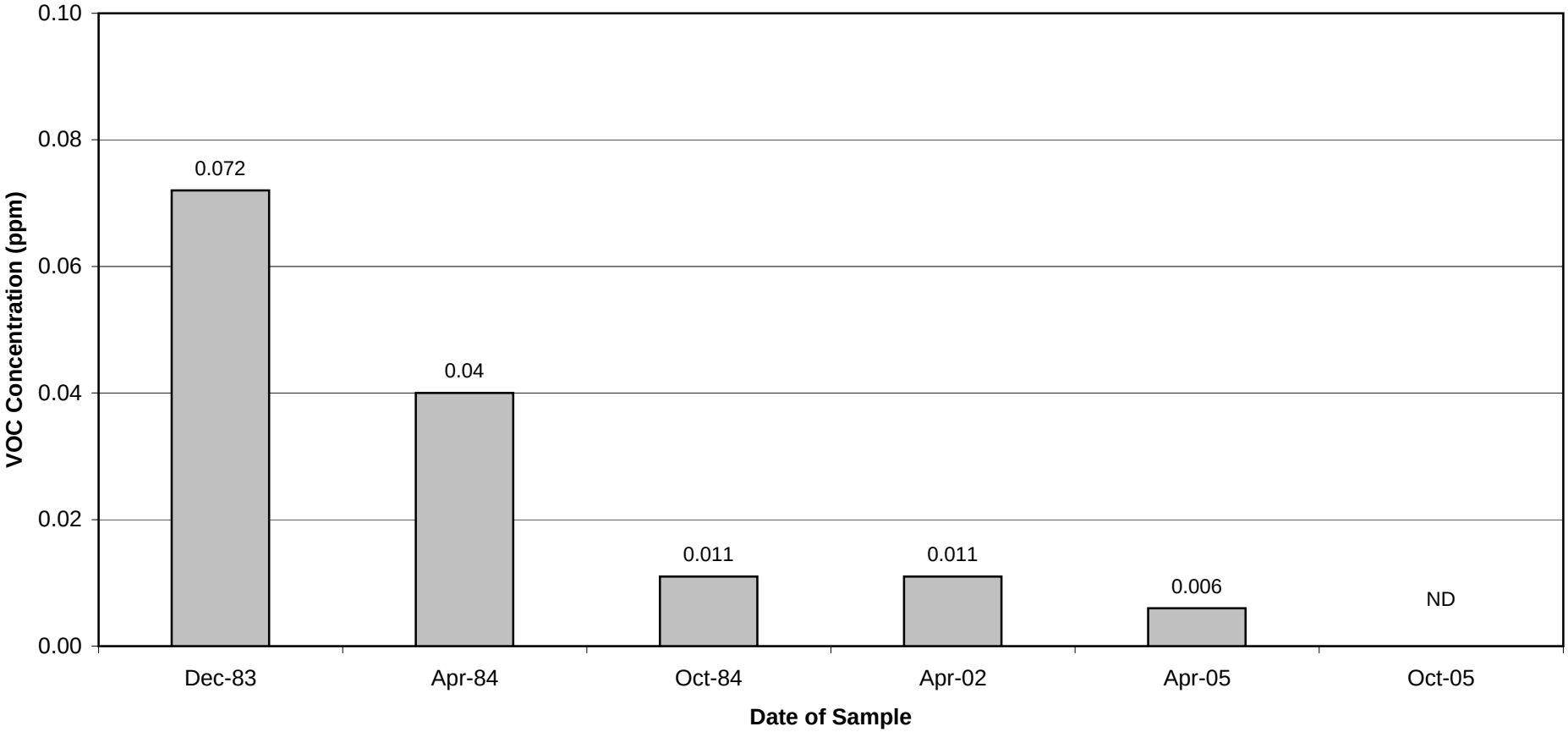
Well 51-14 Historical Total VOC Concentrations



Appendix D

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

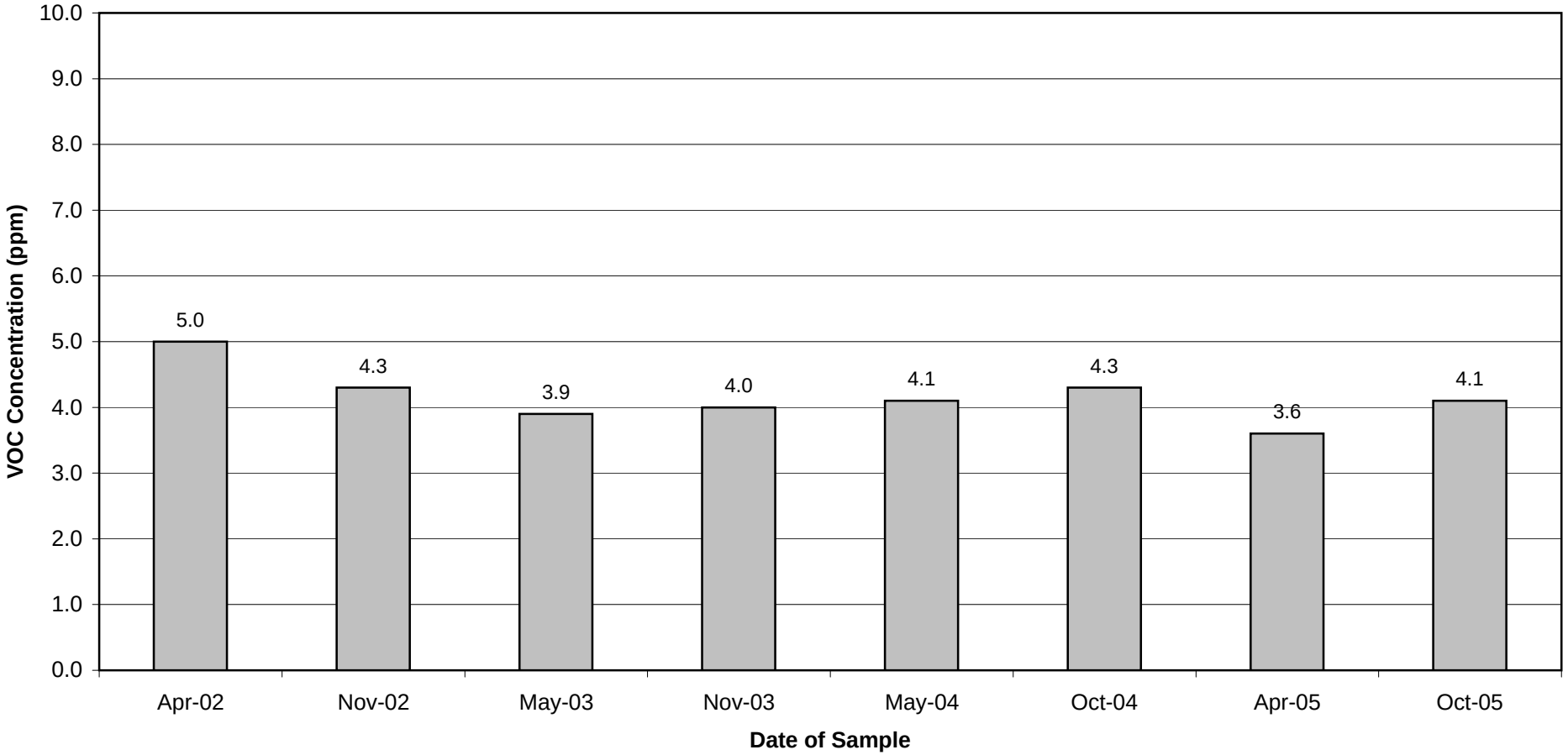
Well 54B/54B-R Historical Total VOC Concentrations



Appendix D

Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 78B/78B-R Historical Total VOC Concentrations



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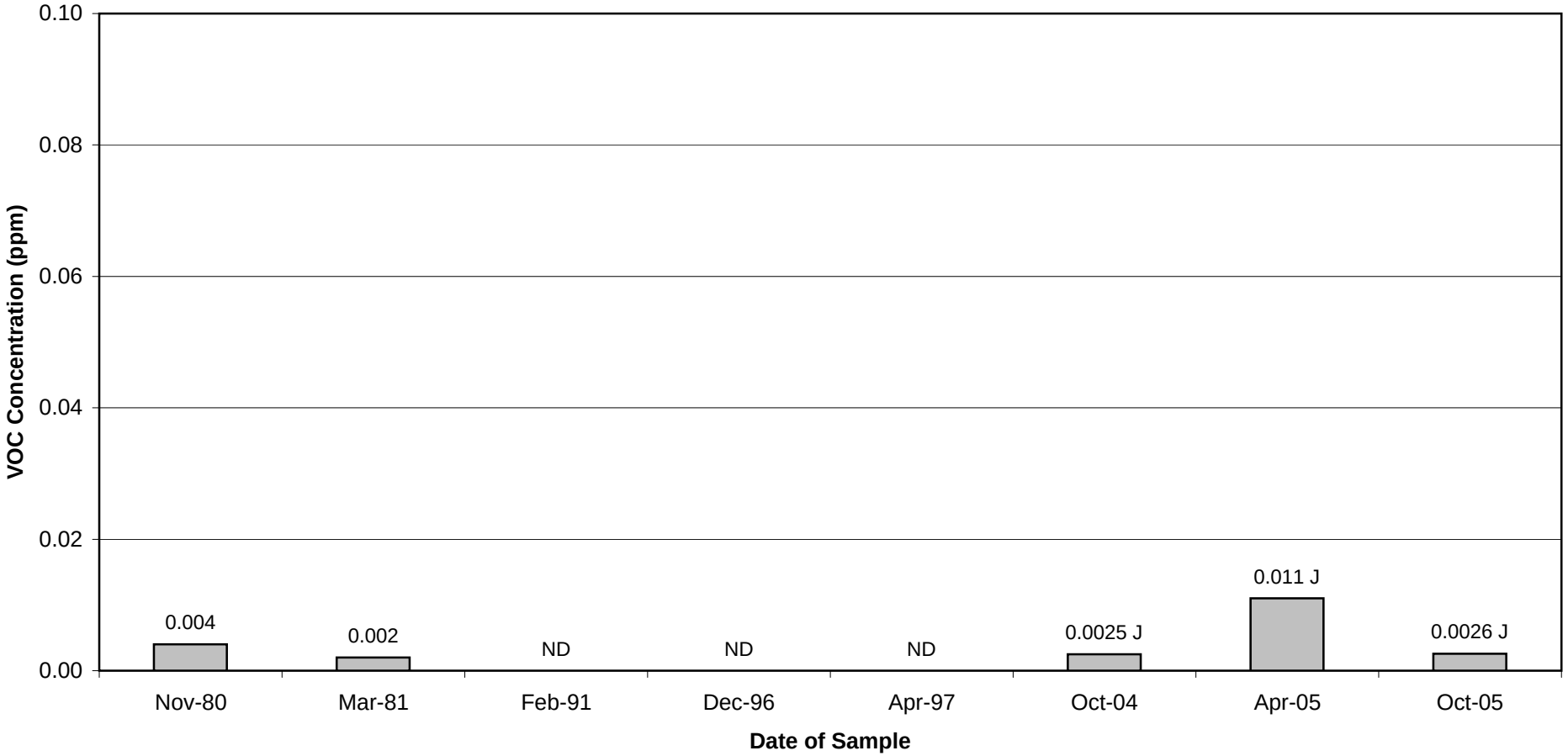
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 82B/82B-R Historical Total VOC Concentrations



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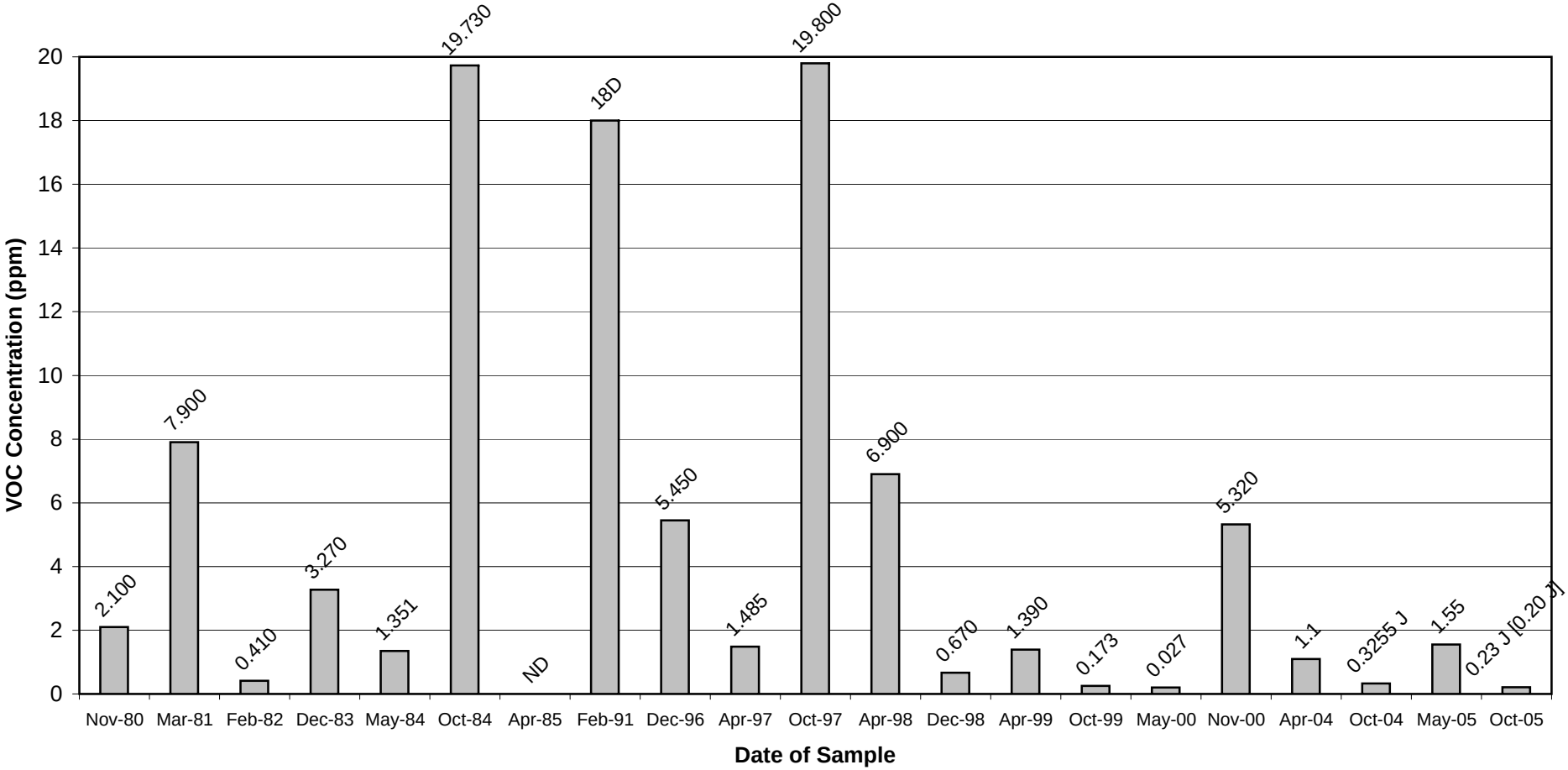
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 89B Historical Total VOC Concentrations



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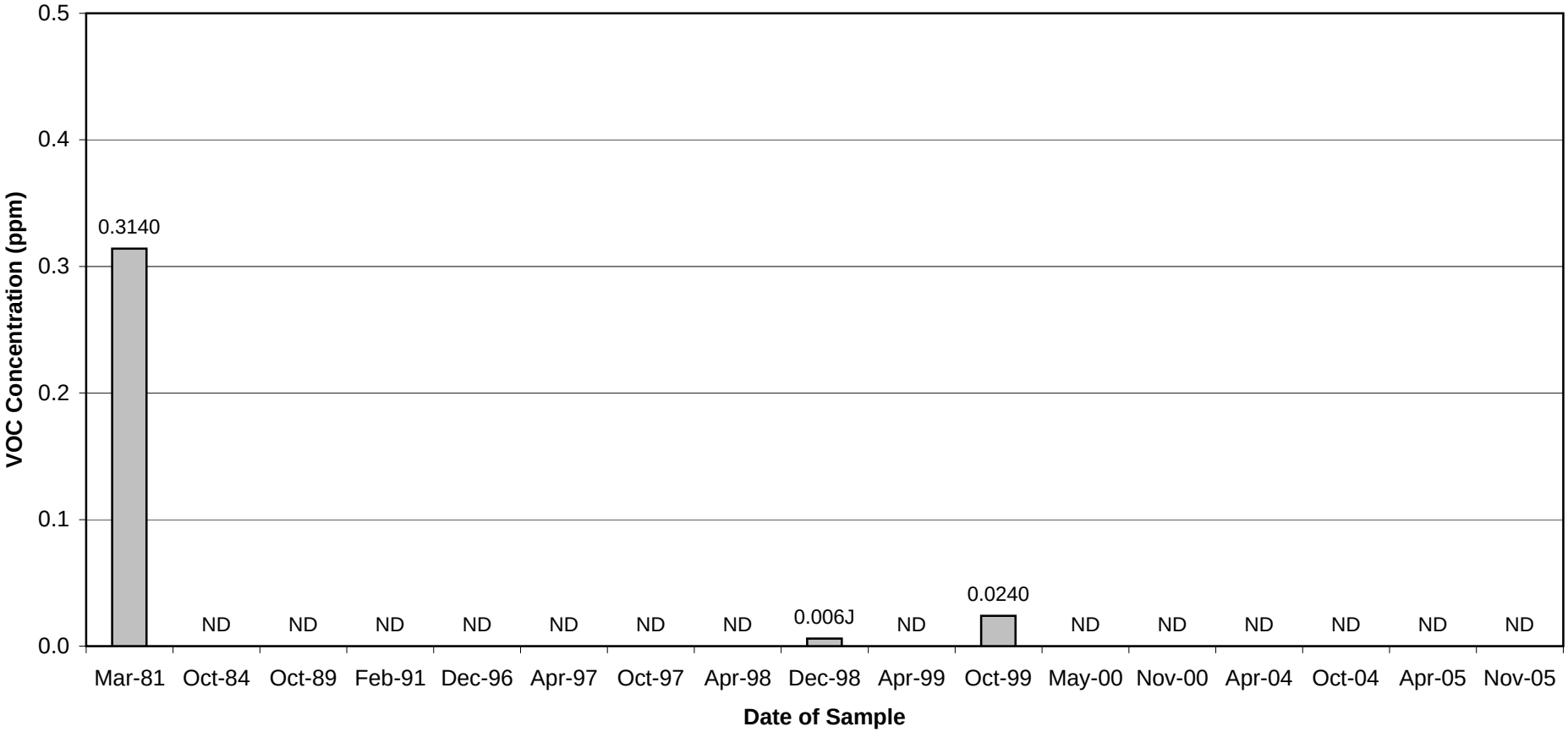
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 90B Historical Total VOC Concentrations



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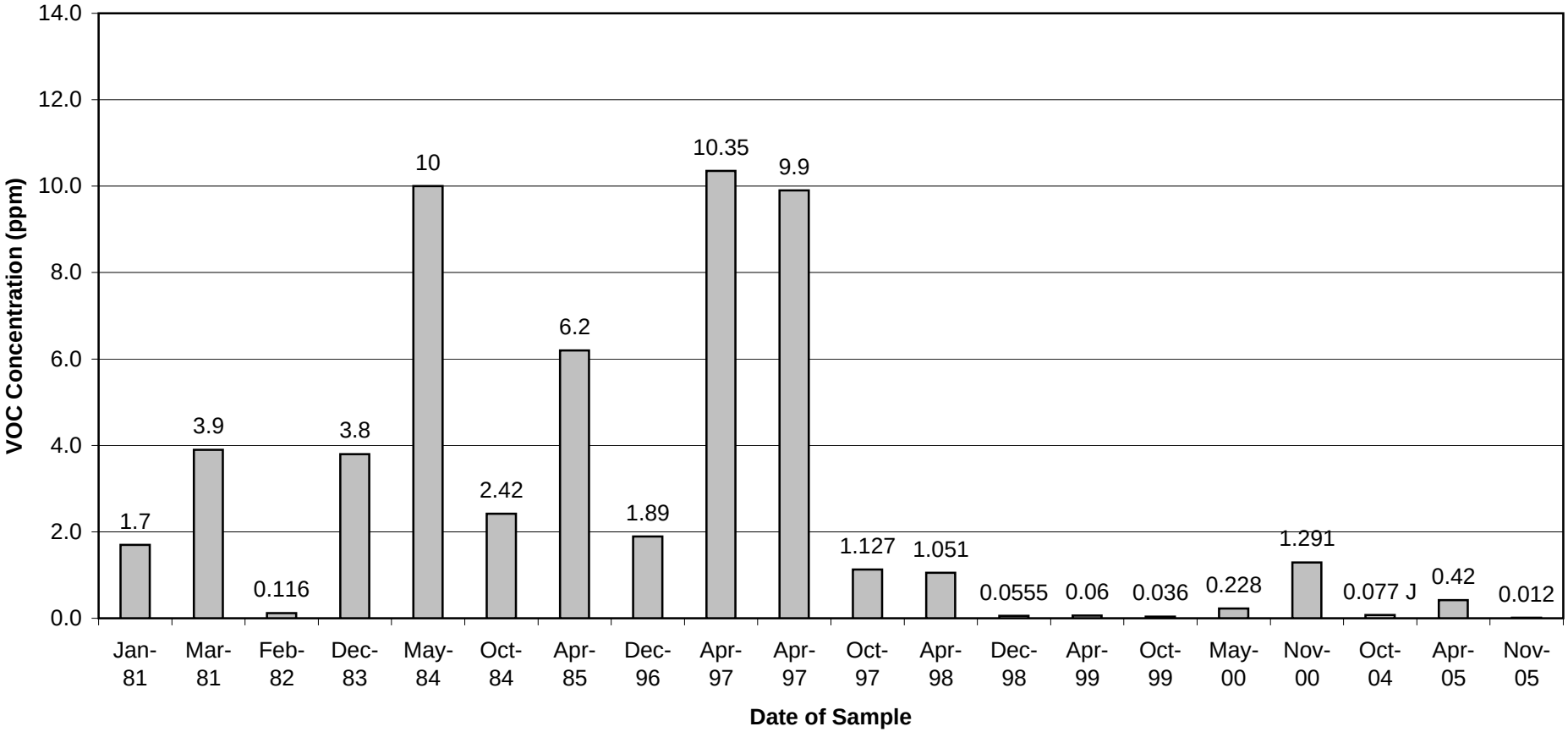
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 95B/95B-R Historical Total VOC Concentrations



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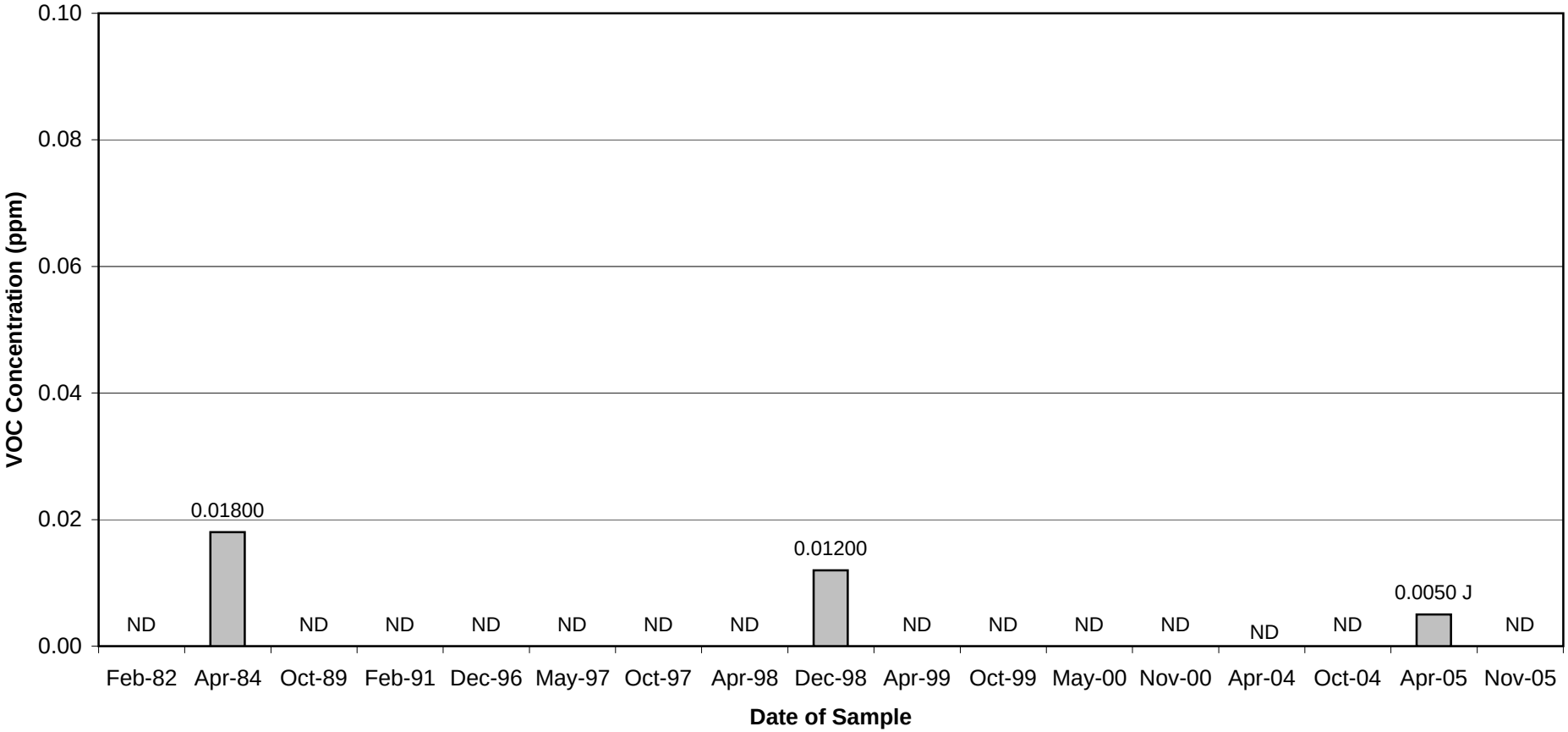
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 111B/111B-R Historical Total VOC Concentrations



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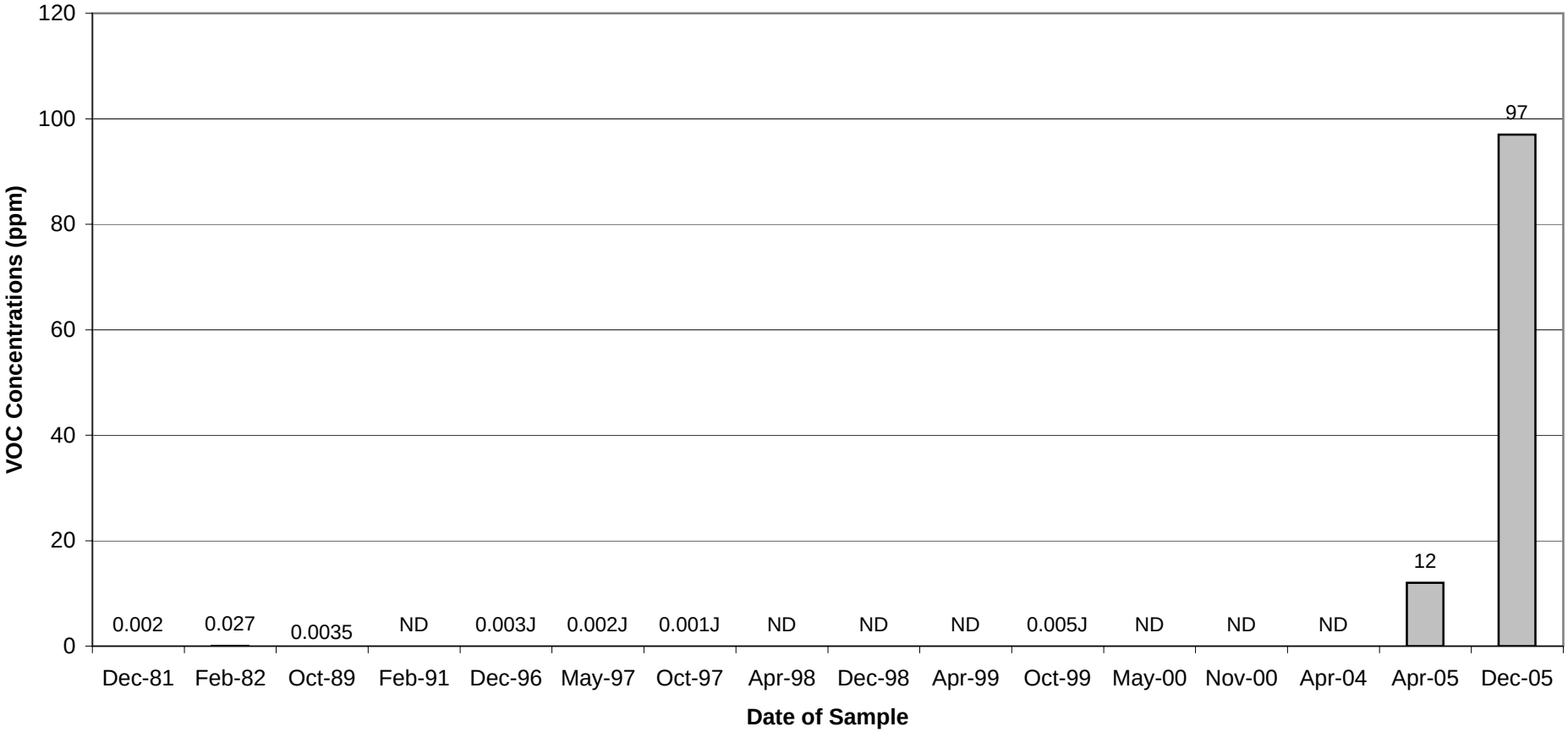
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114A Historical Total VOC Concentrations



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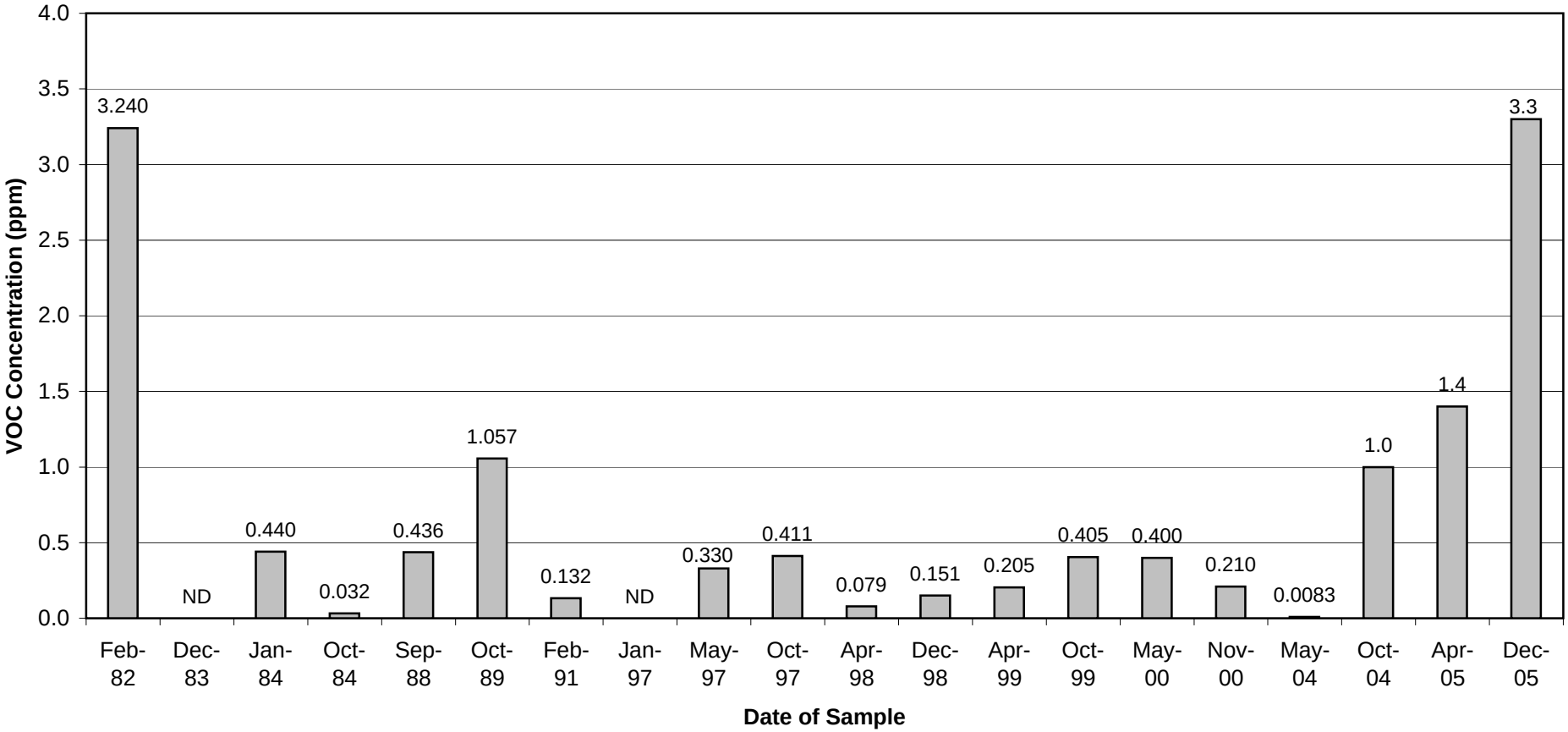
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114B/114B-R Historical Total VOC Concentrations



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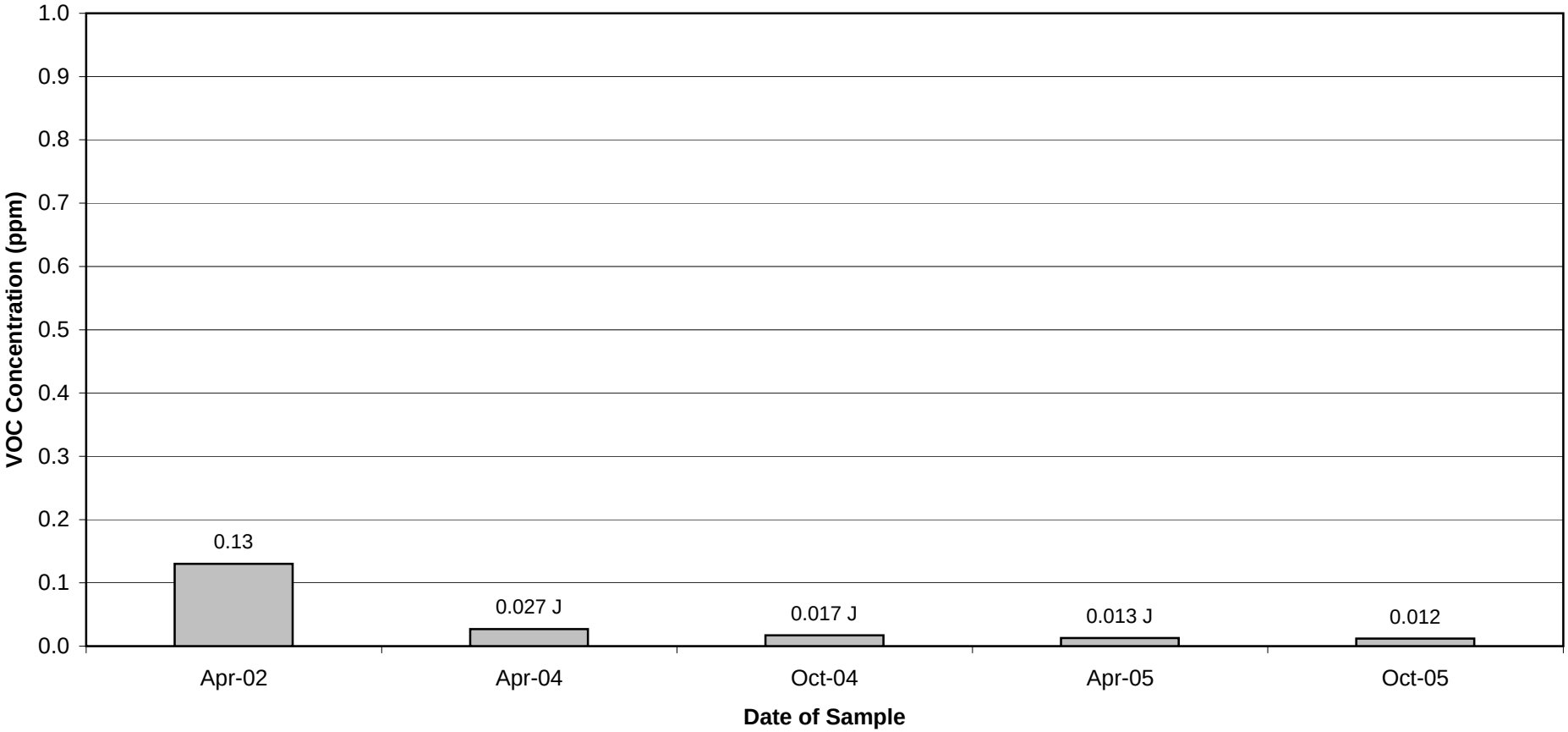
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-2 Historical Total VOC Concentrations



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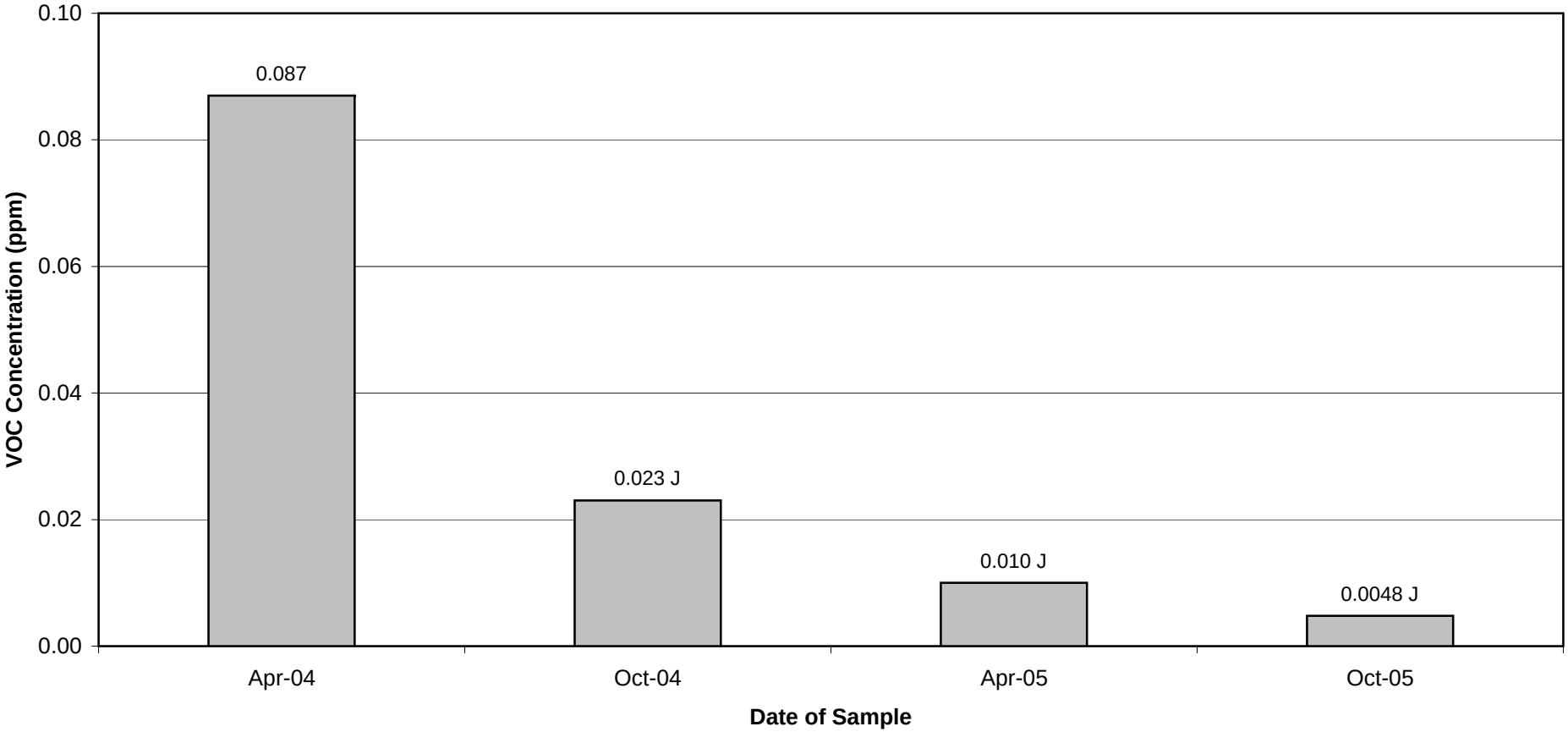
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-3 Historical Total VOC Concentrations



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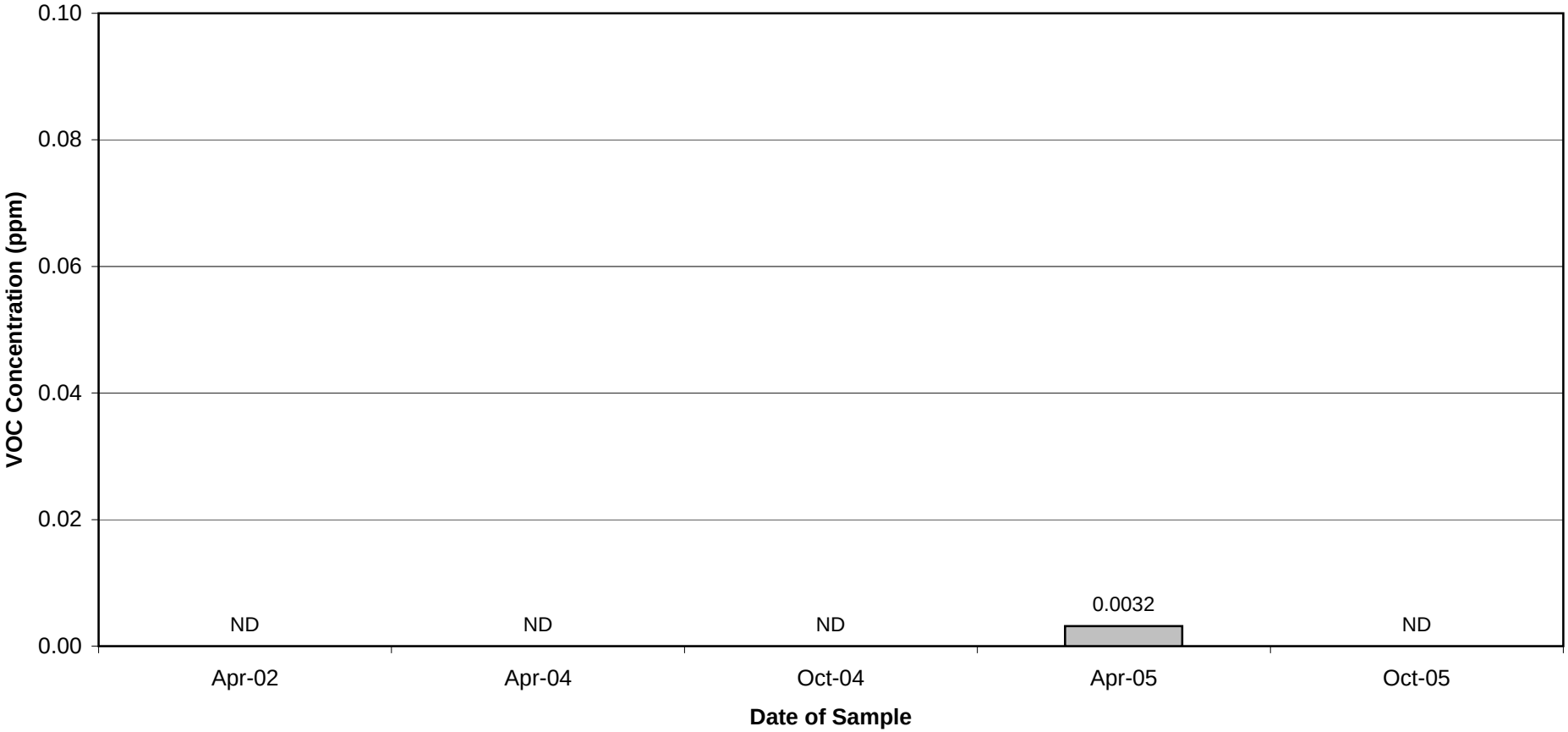
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-4 Historical Total VOC Concentrations



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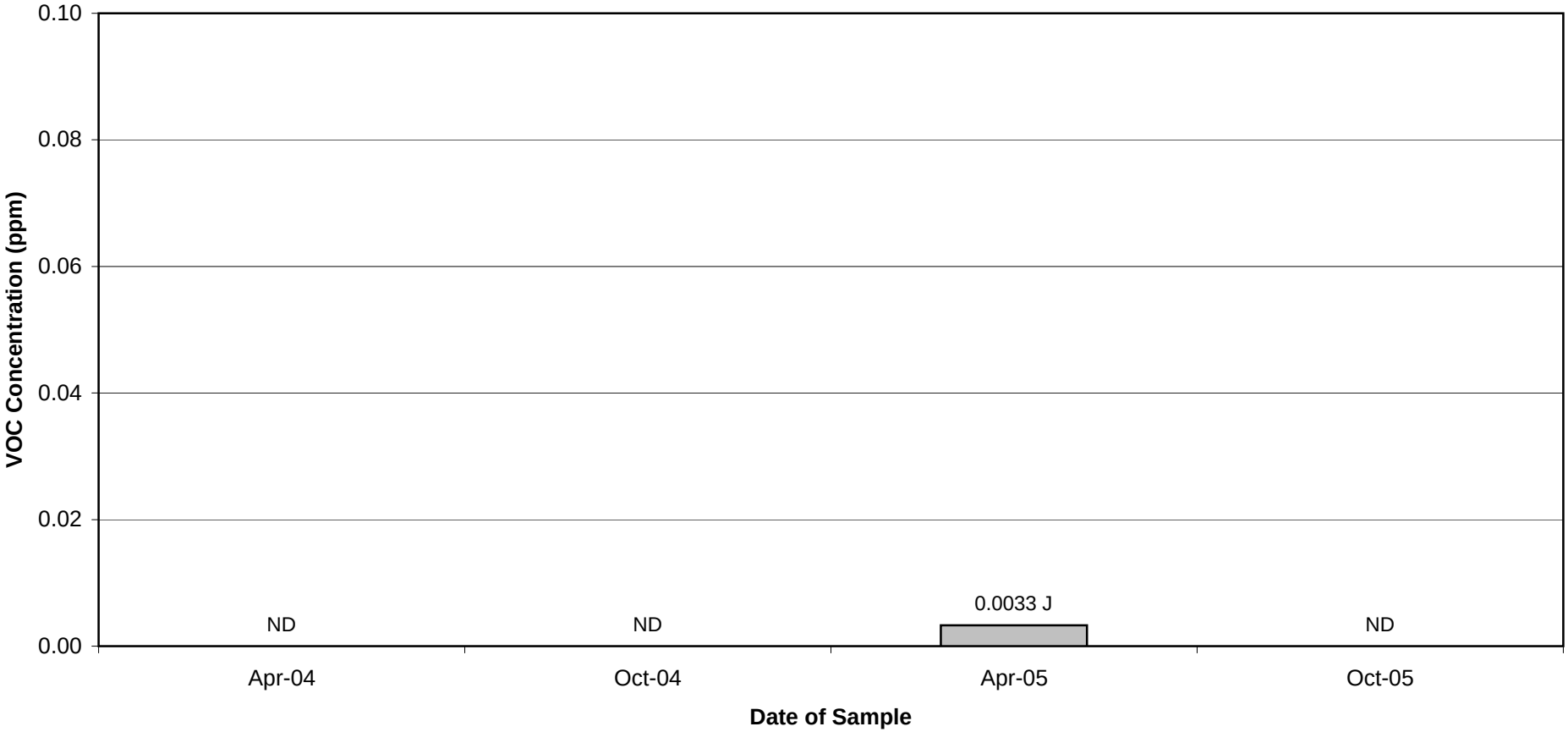
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-5 Historical Total VOC Concentrations



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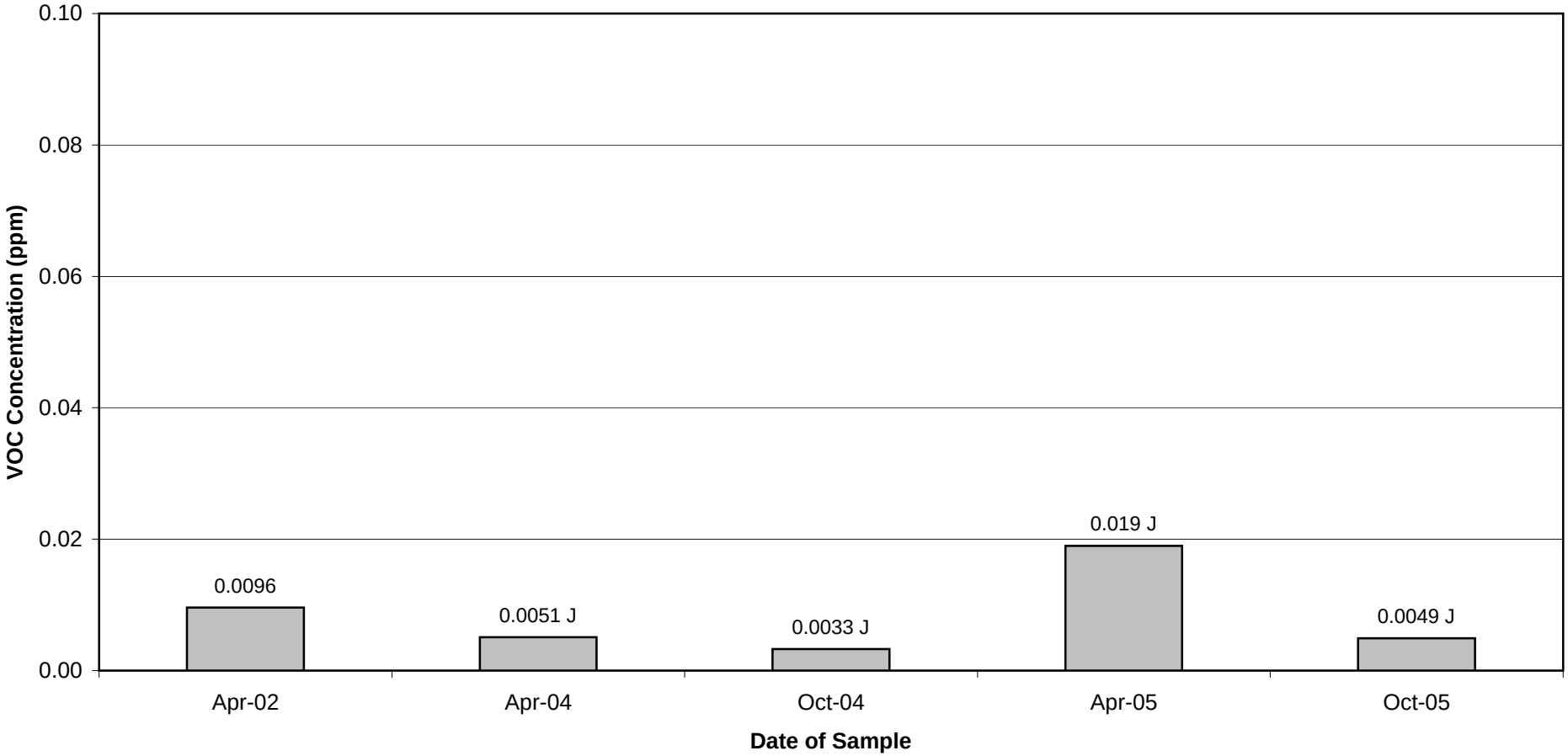
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-6 Historical Total VOC Concentrations



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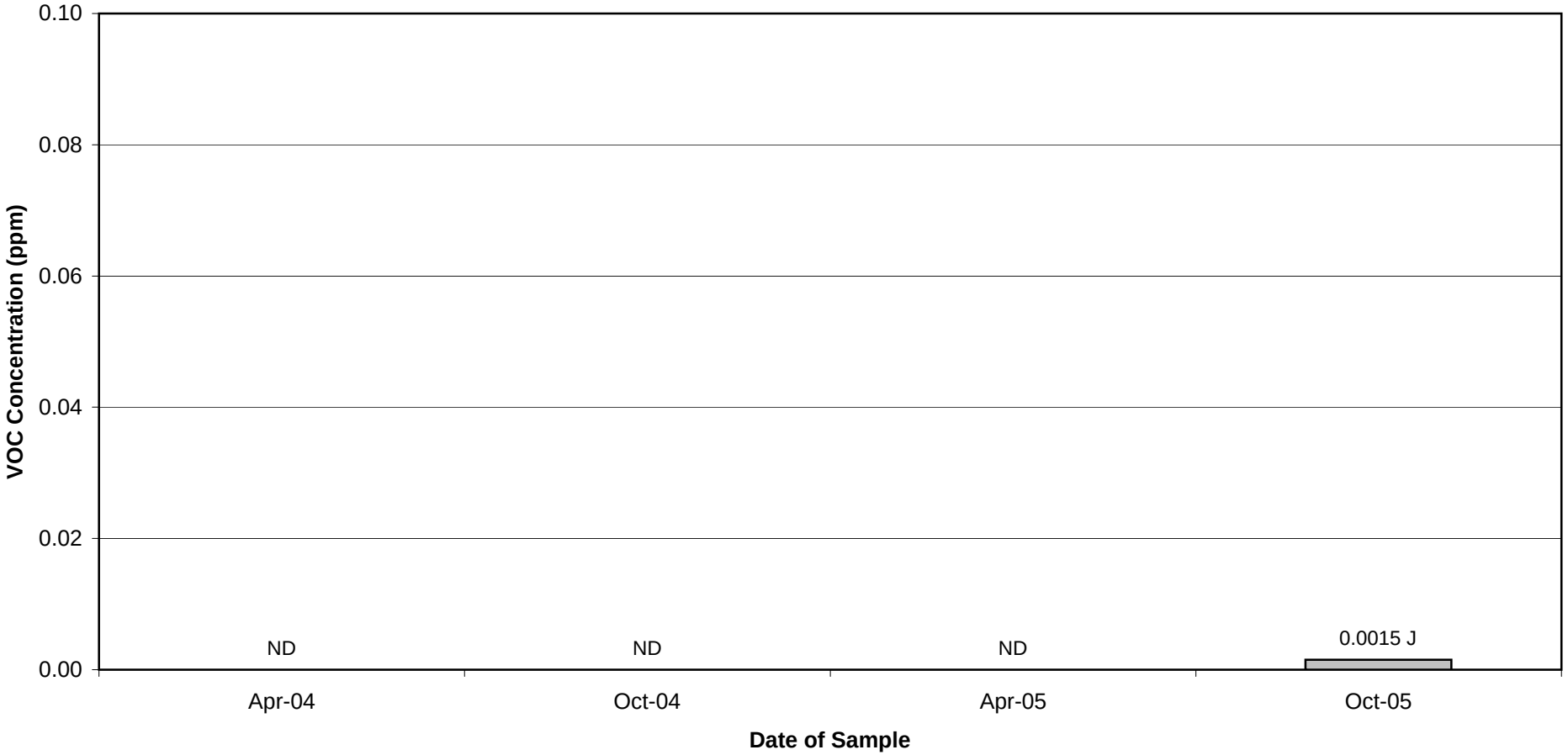
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-7 Historical Total VOC Concentrations



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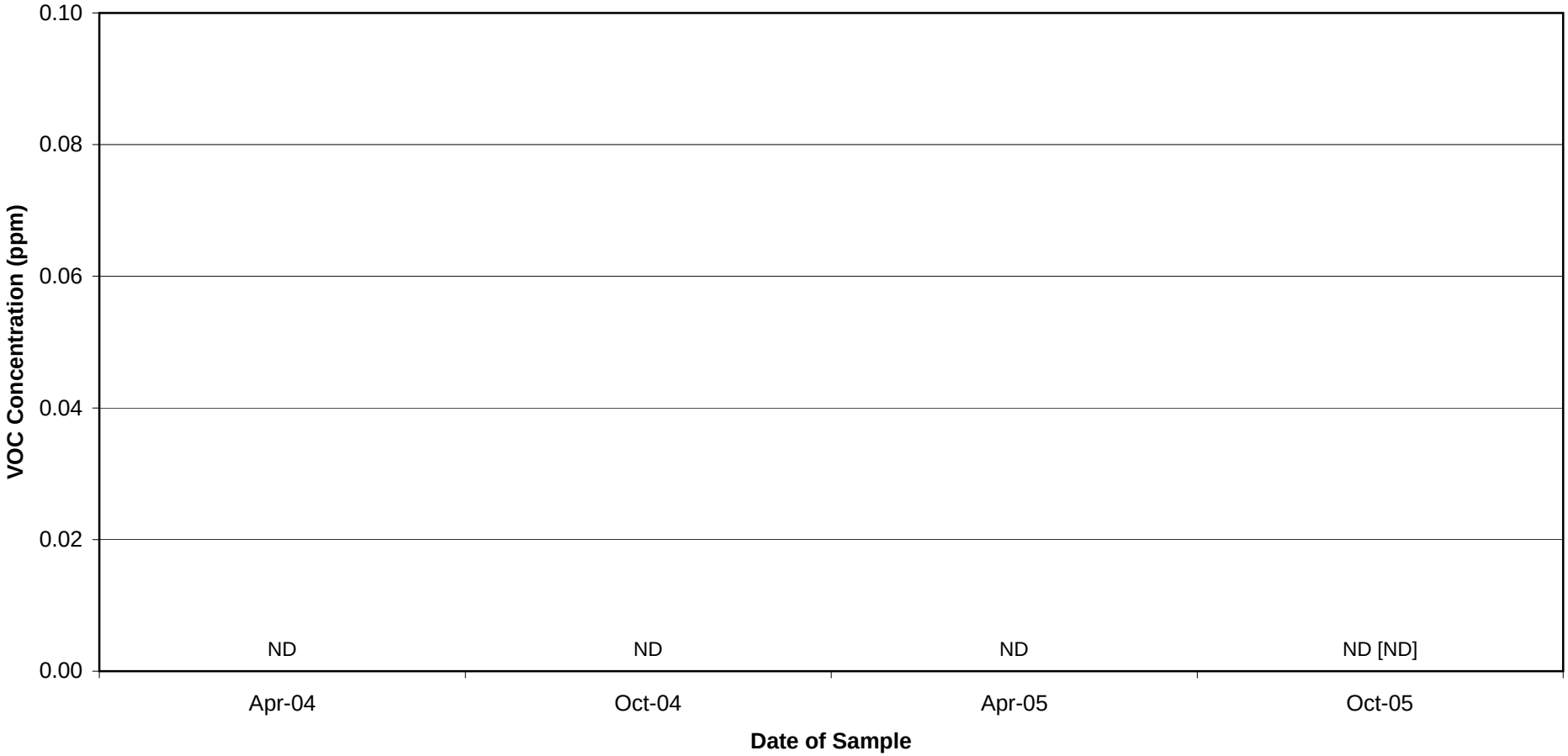
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-8 Historical Total VOC Concentrations



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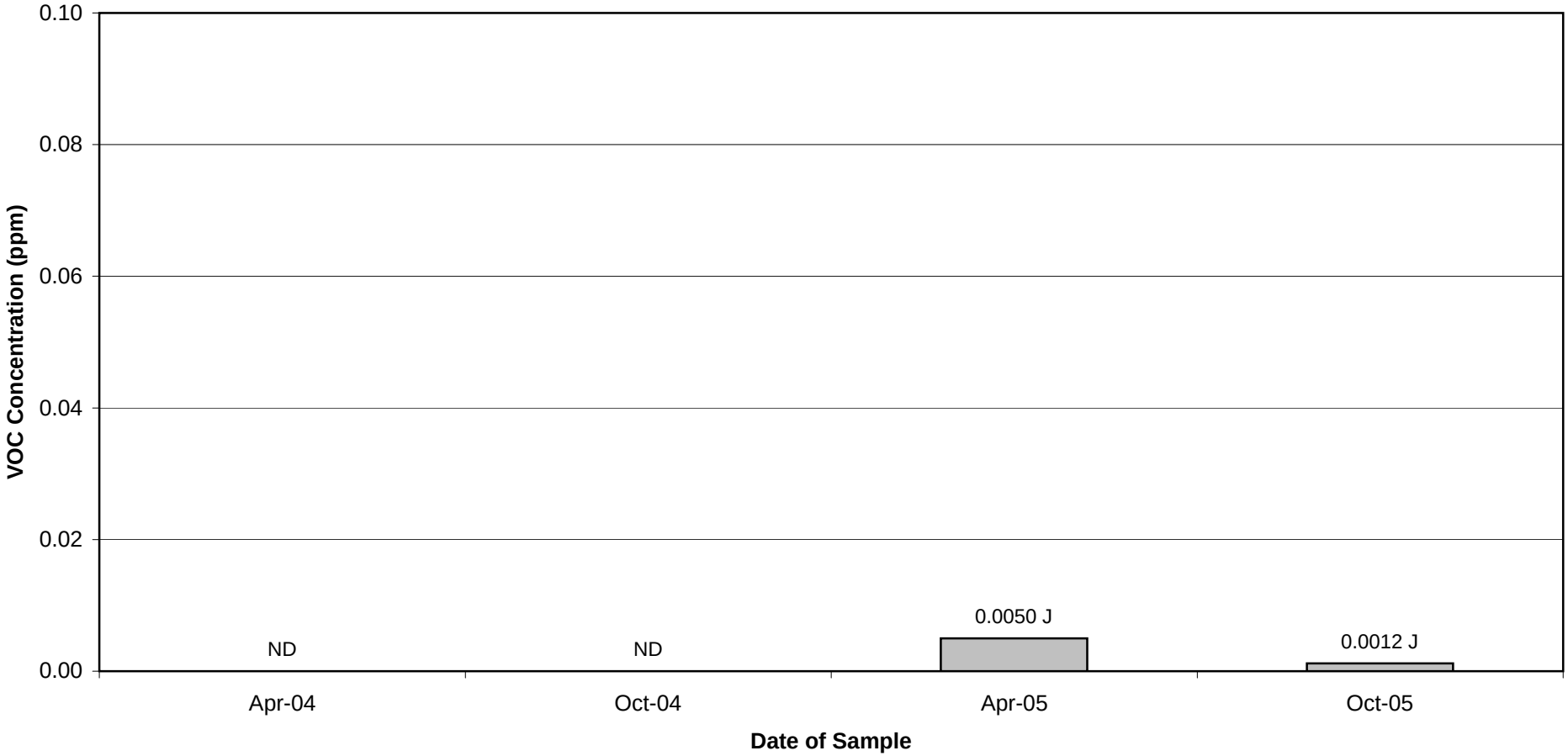
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-9 Historical Total VOC Concentrations



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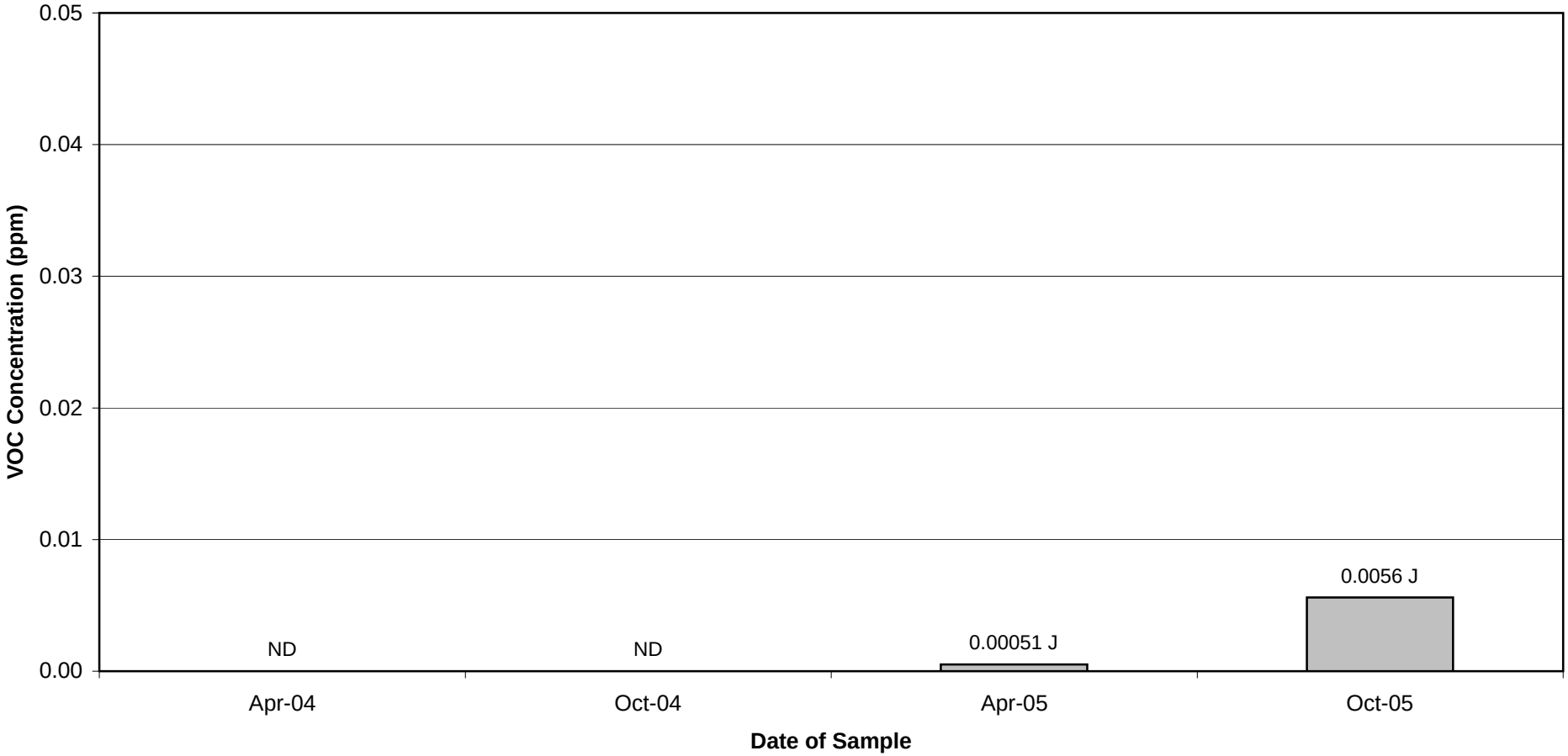
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well OBG-2 Historical Total VOC Concentrations



Historical Groundwater Data

Total PCB Concentrations – Wells Sampled in Fall 2005

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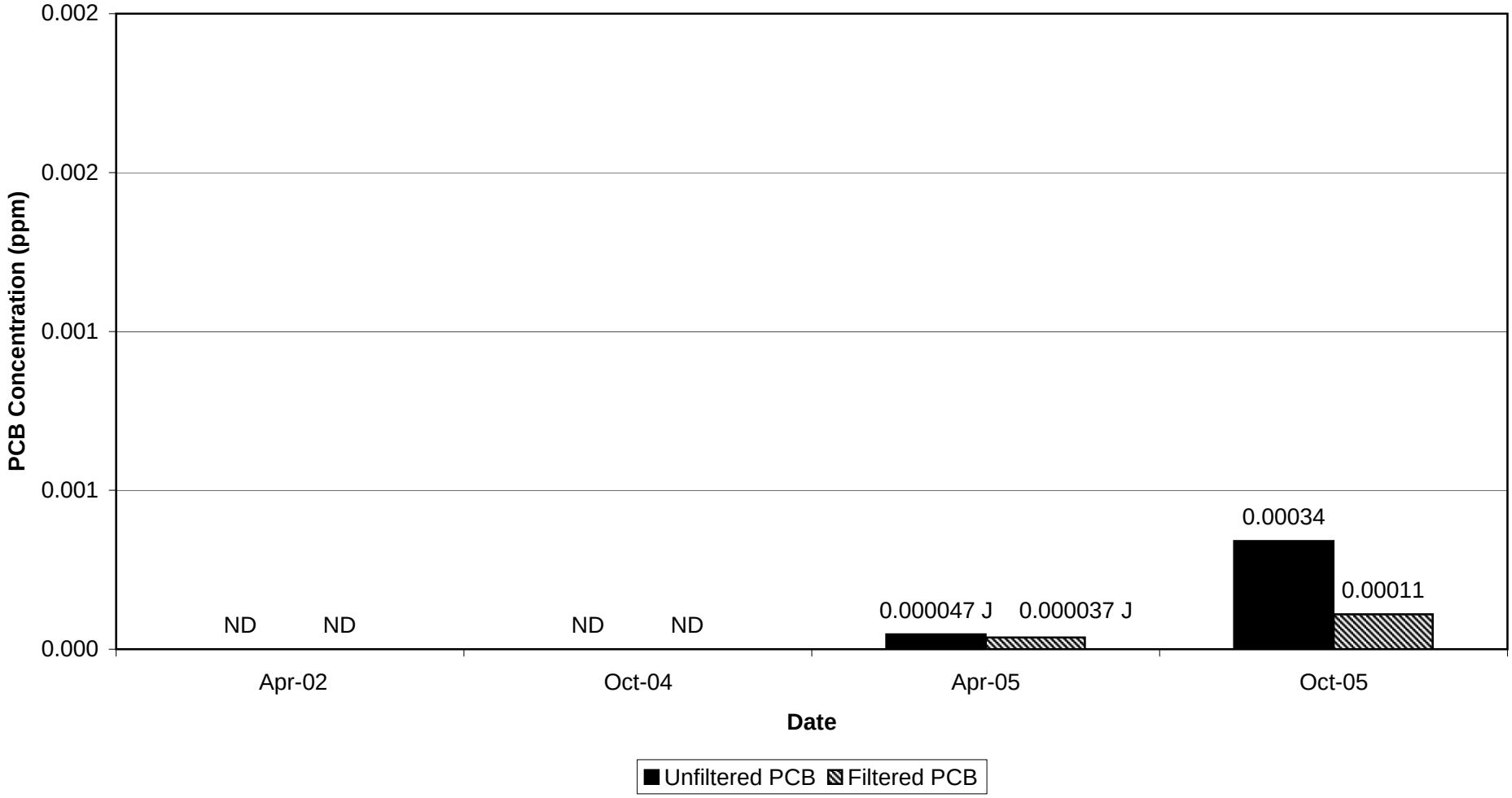
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 6B/6B-R Historical Total PCB Concentrations



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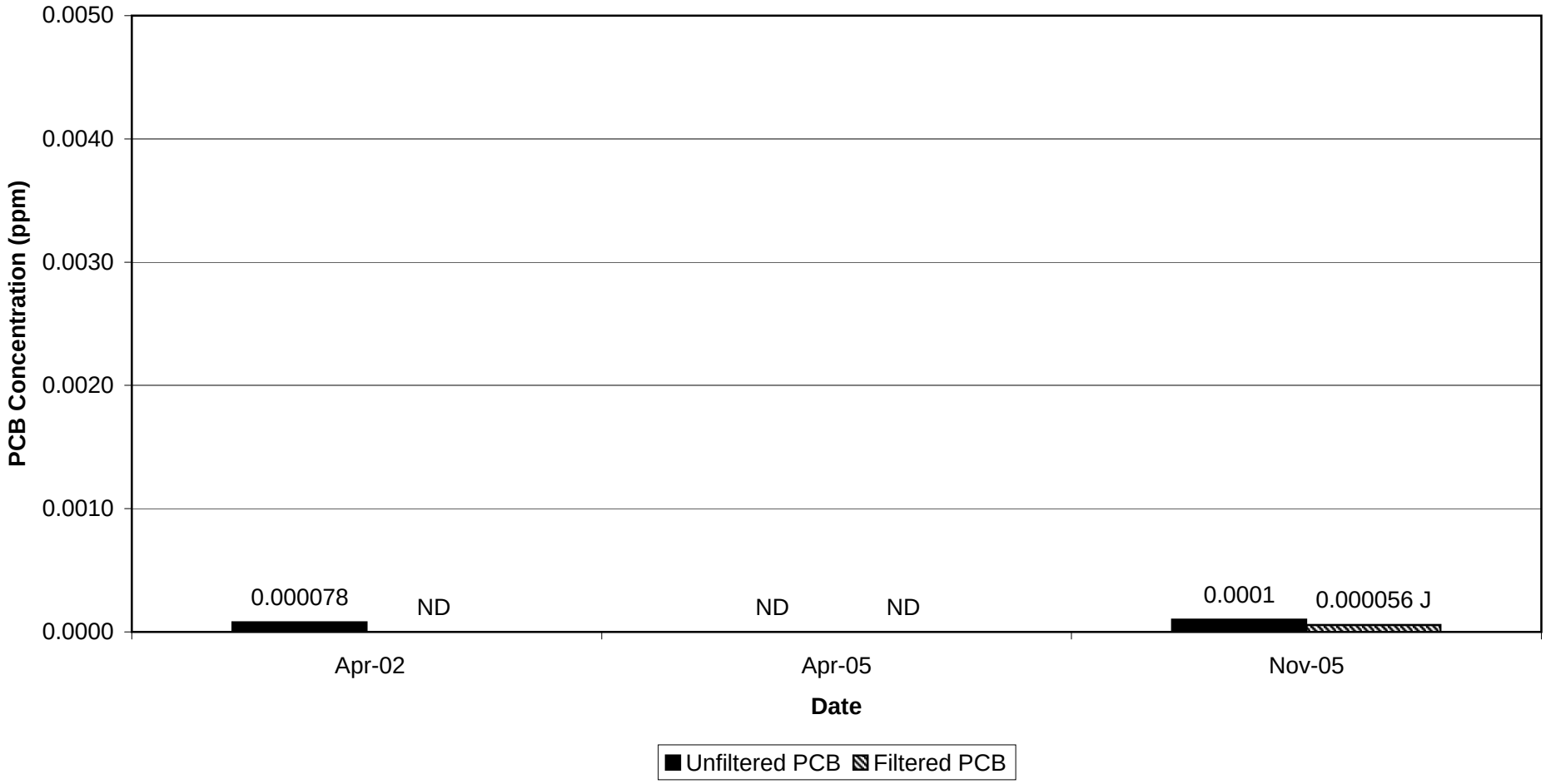
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 54B/54B-R Historical Total PCB Concentrations



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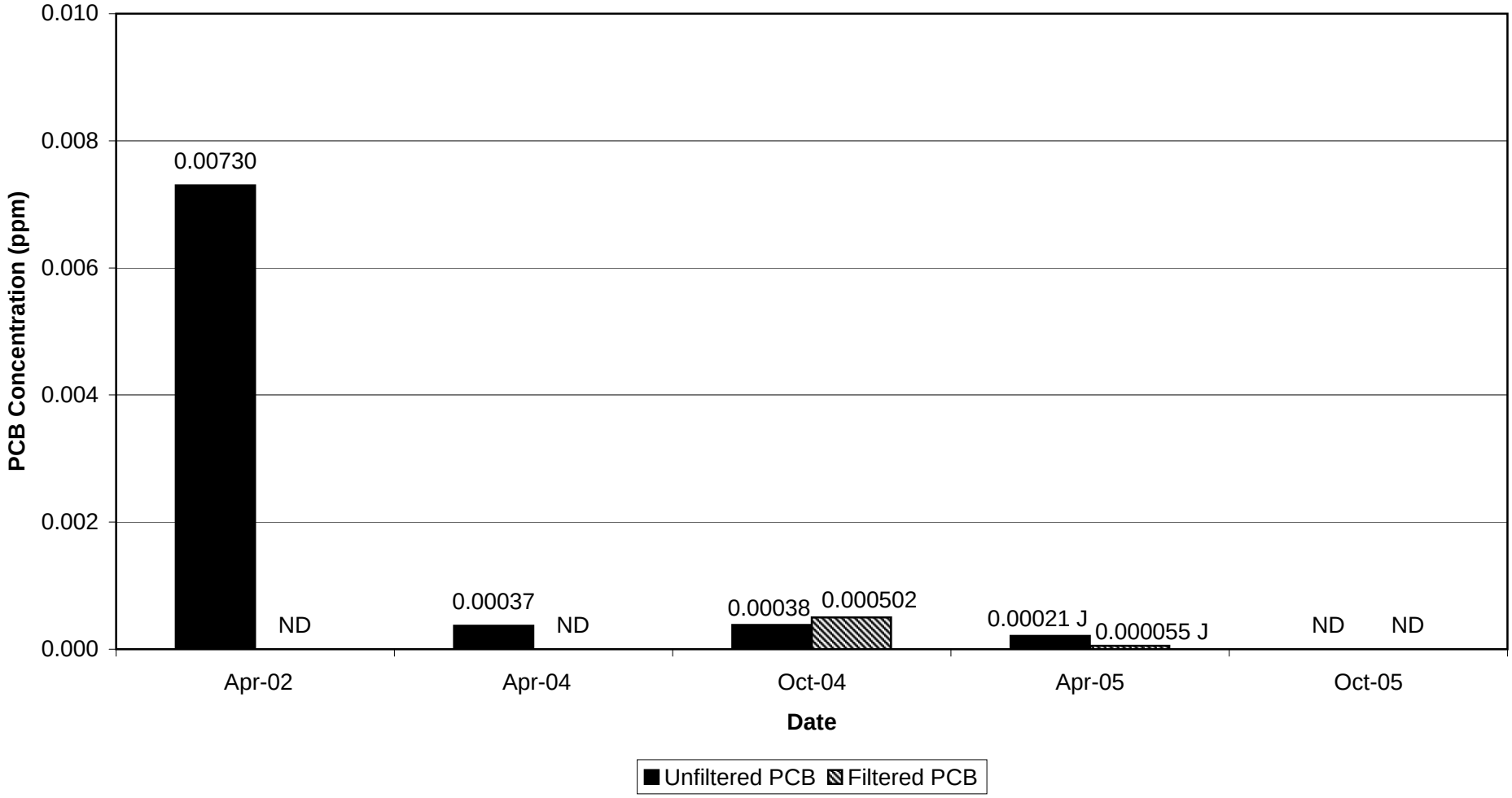
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 78B-R Historical Total PCB Concentrations



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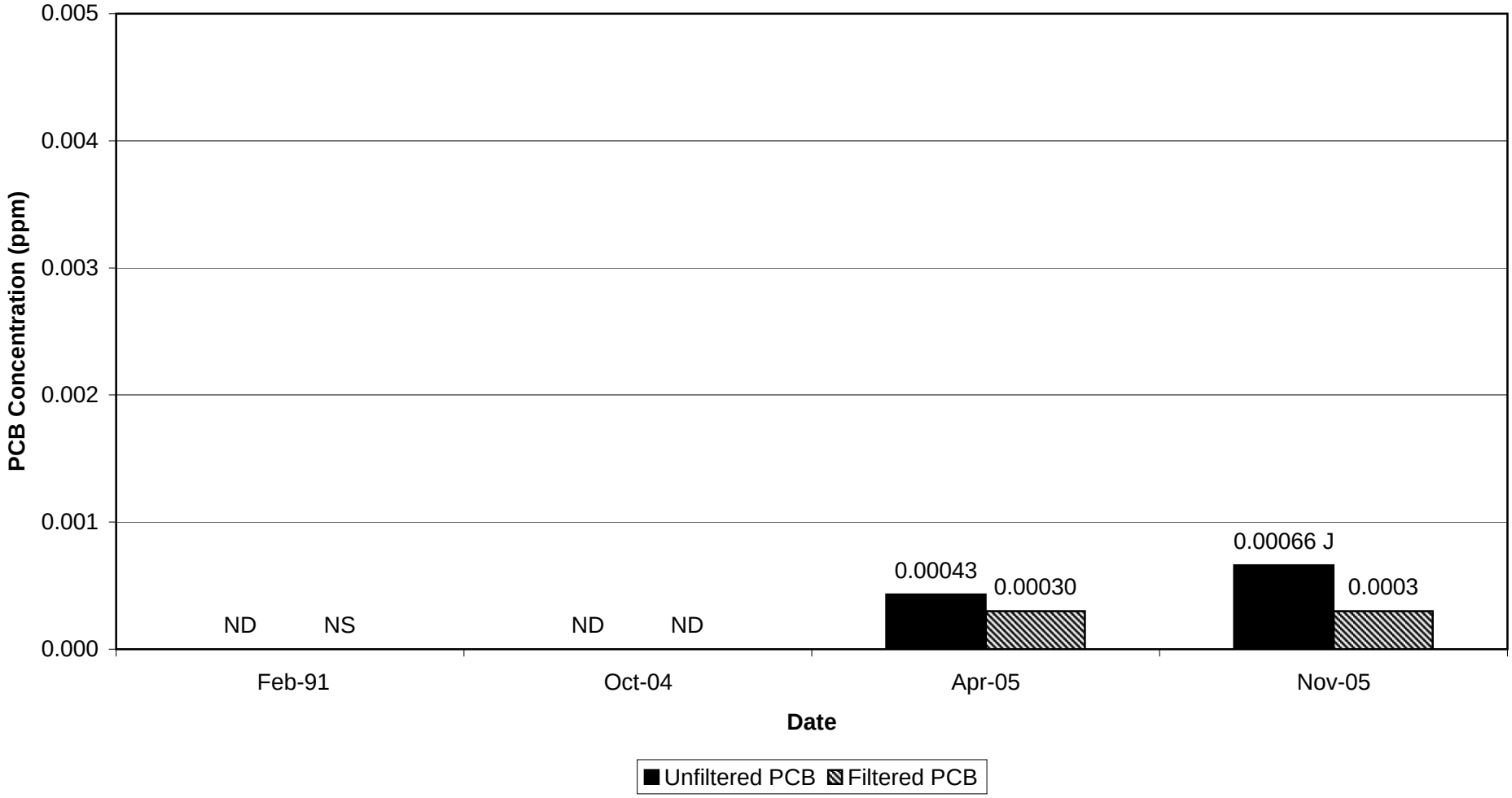
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 82B/82B-R Historical Total PCB Concentrations



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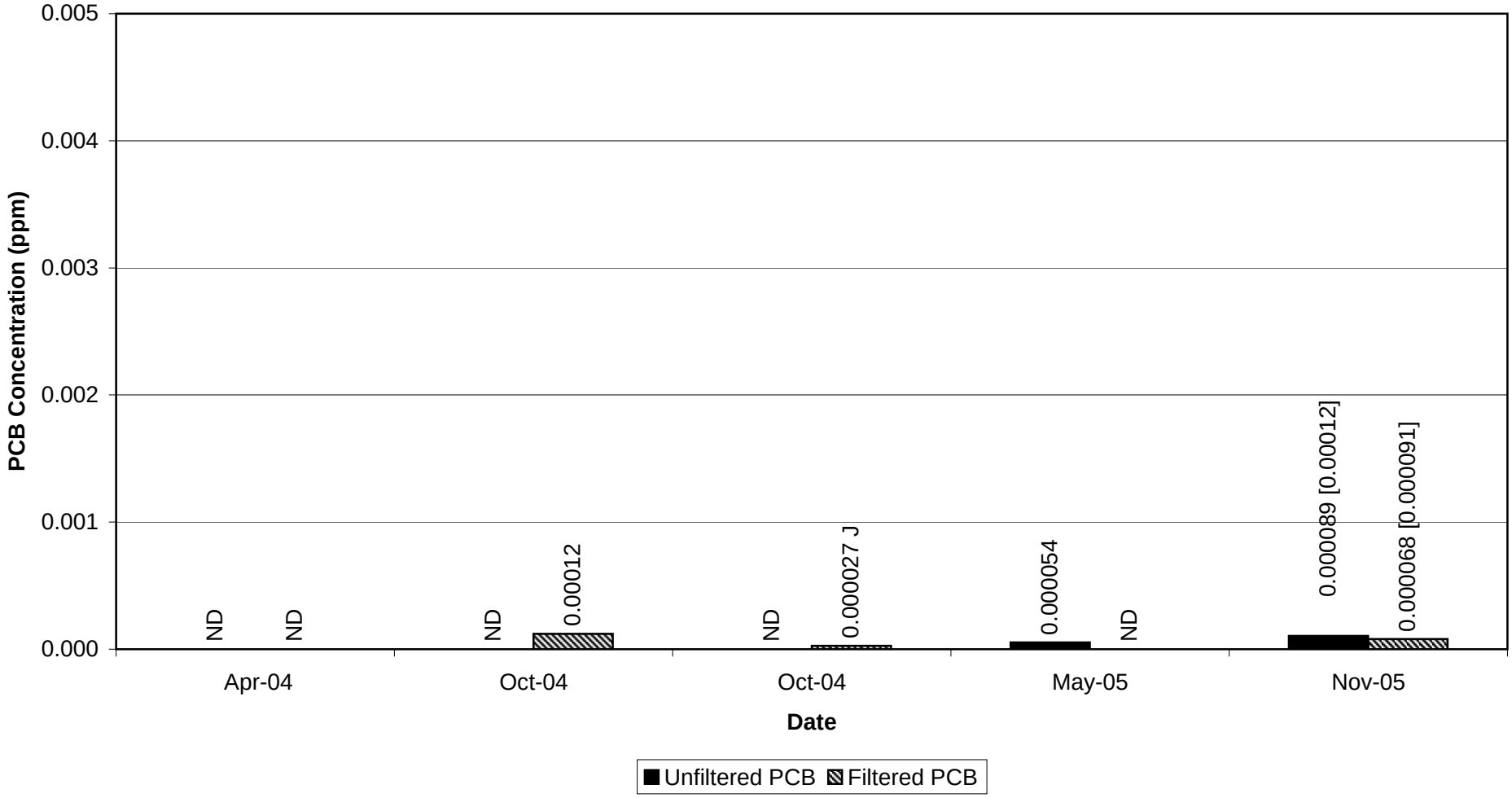
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 89B Historical Total PCB Concentrations



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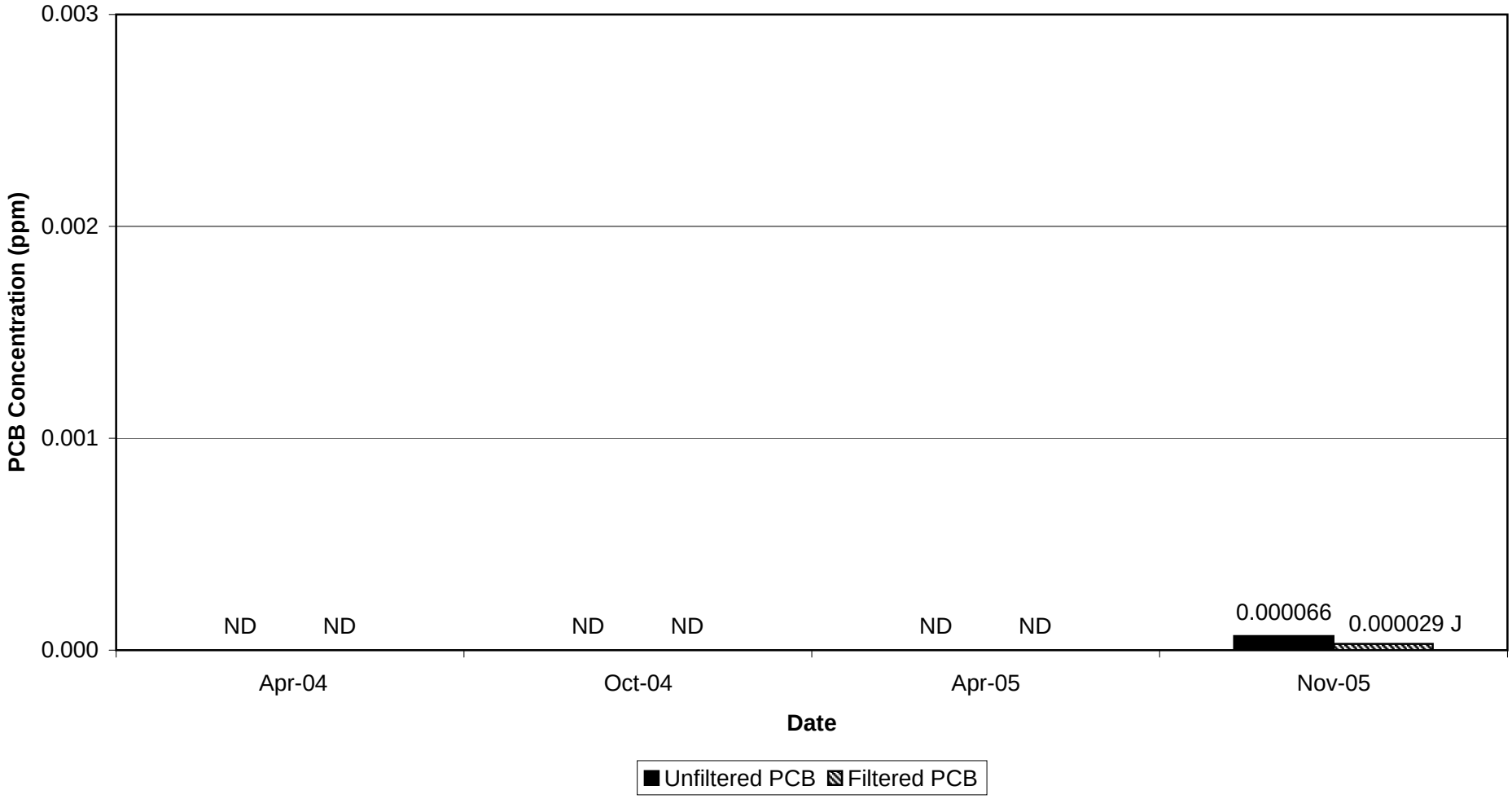
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 90B Historical Total PCB Concentrations



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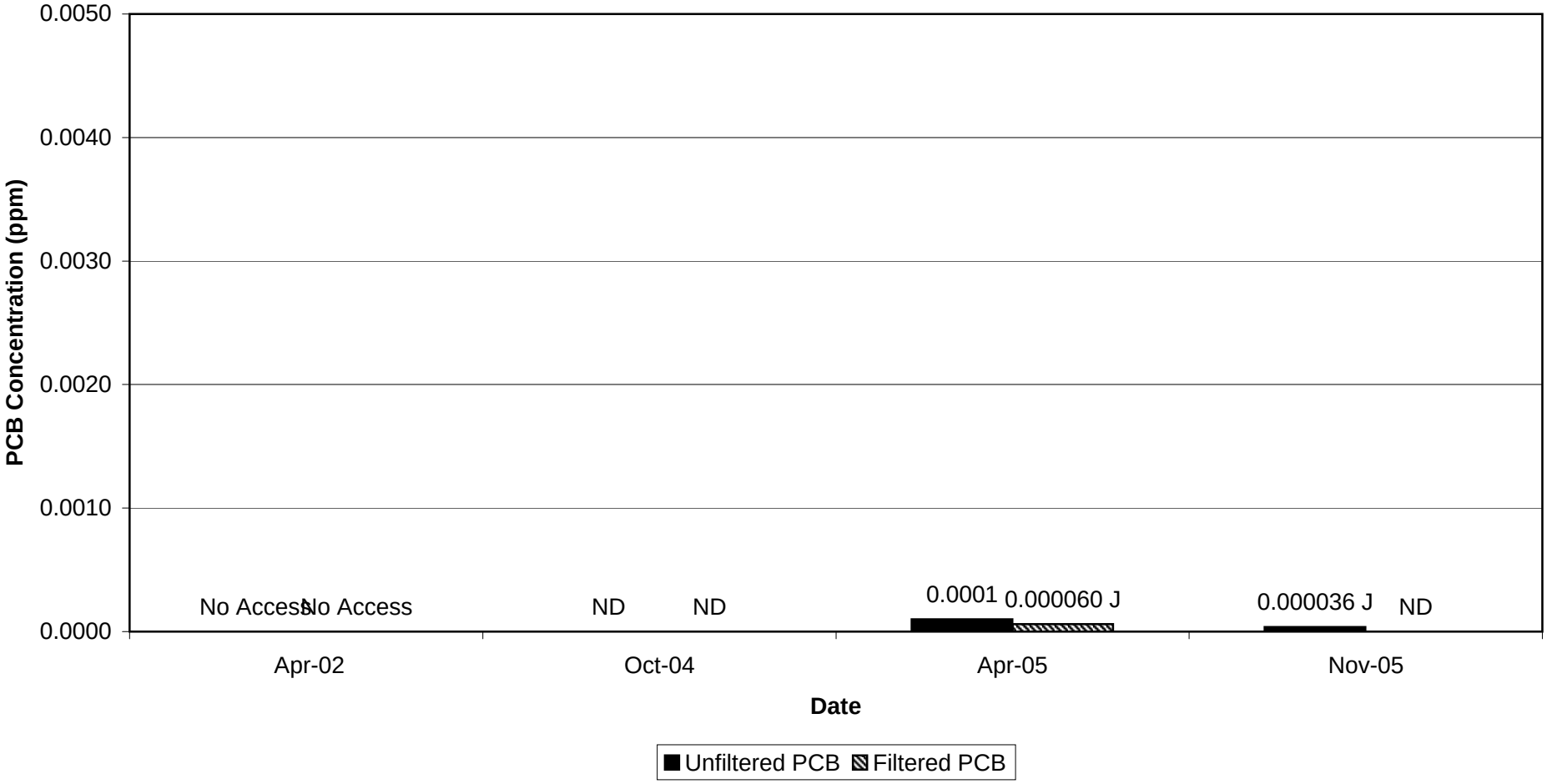
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 95B/95B-R Historical Total PCB Concentrations



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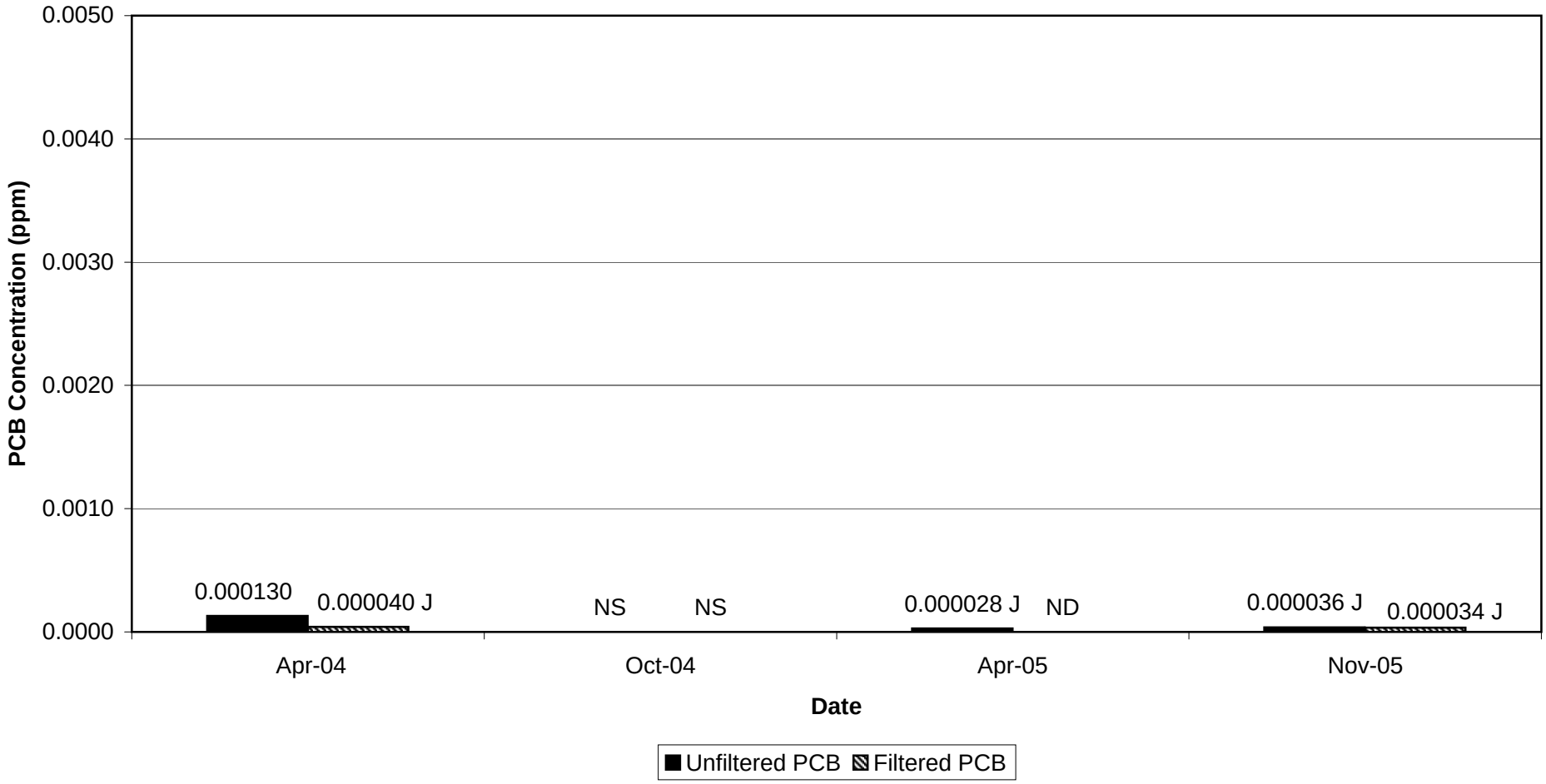
General Electric Company
Pittsfield, Massachusetts
Plant Site 2 Groundwater Management Area

Well 111B/111B-R Historical Total PCB Concentrations



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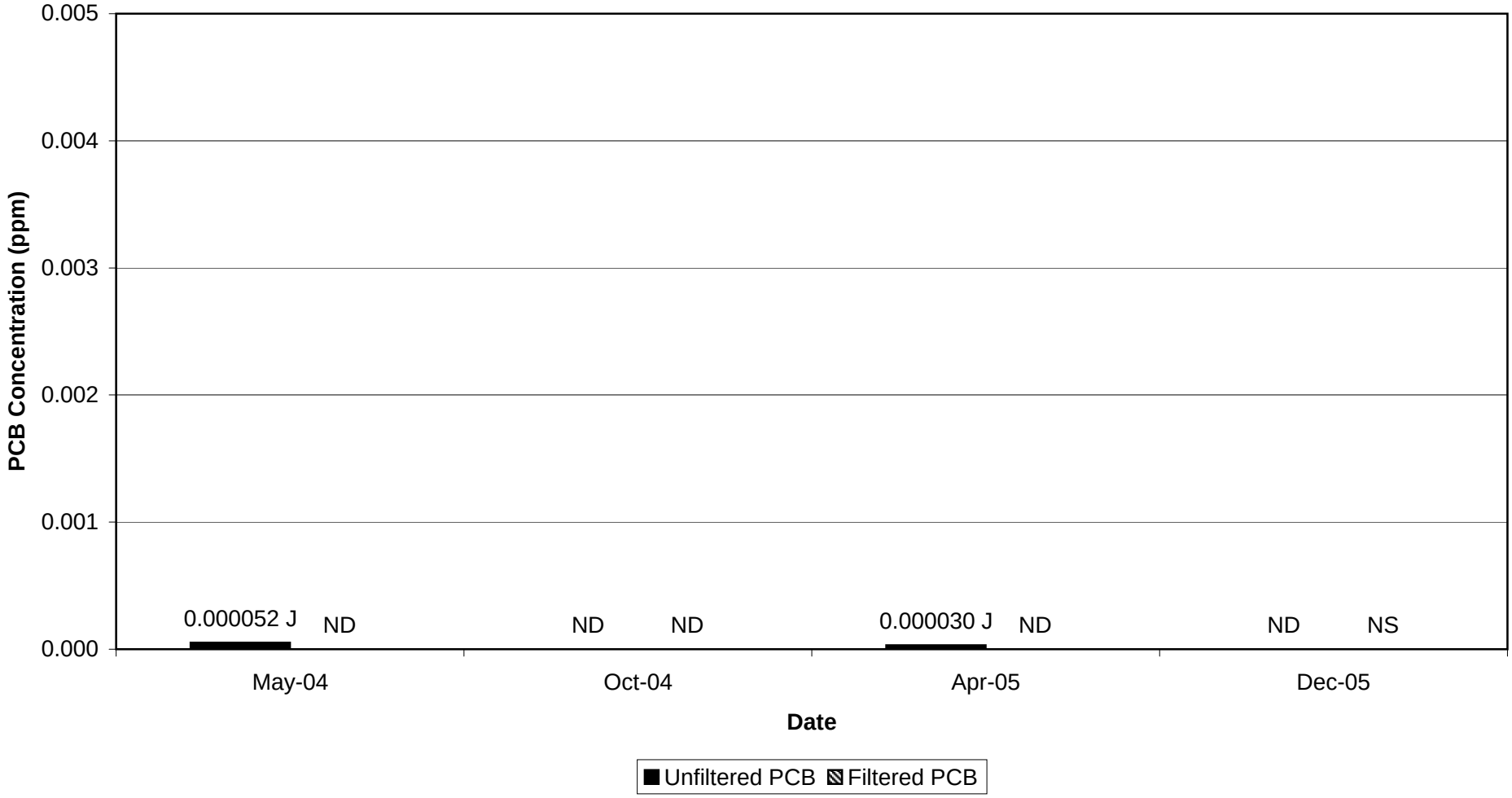
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114B-R Historical Total PCB Concentrations



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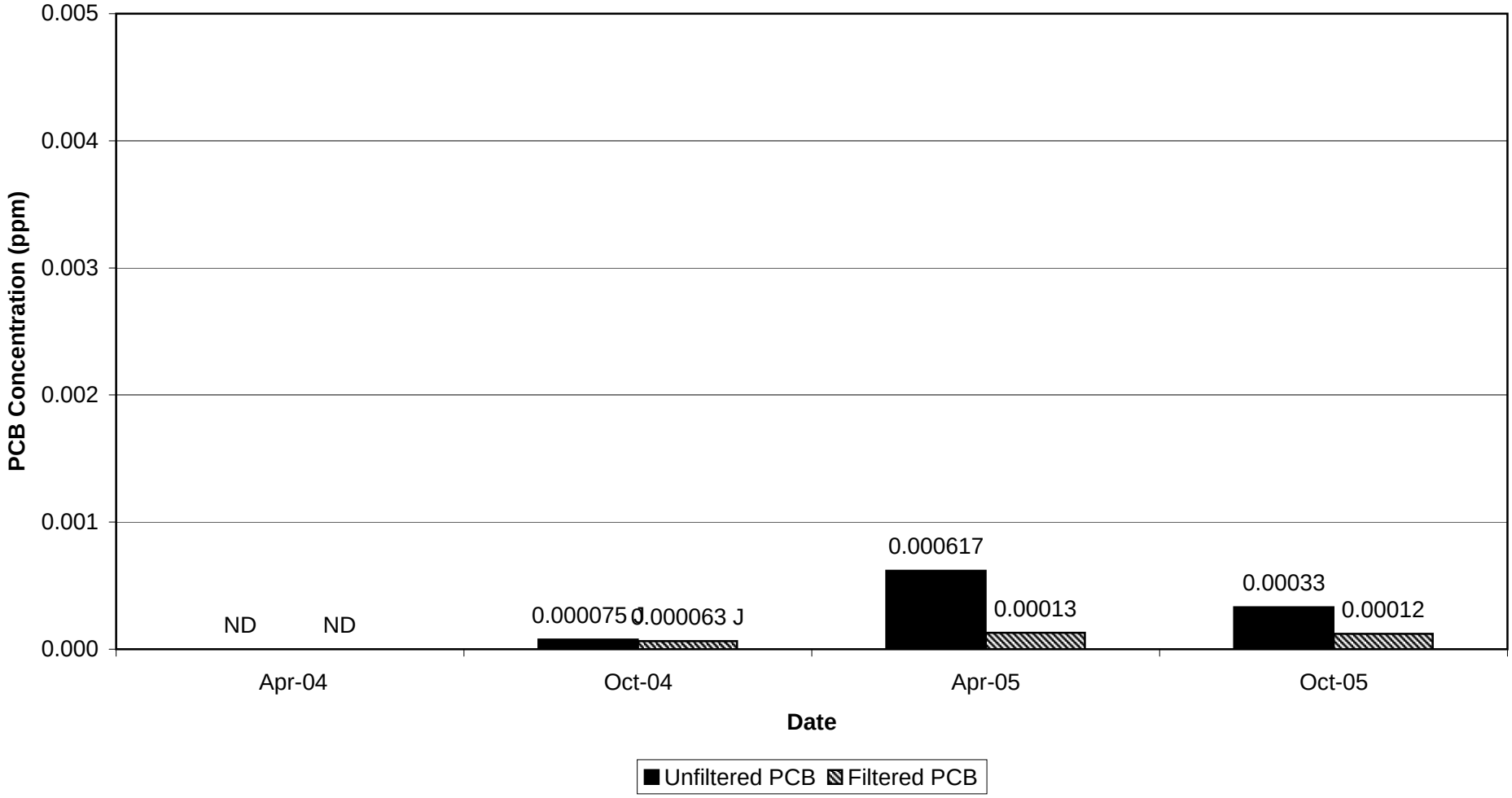
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-3 Historical Total PCB Concentrations



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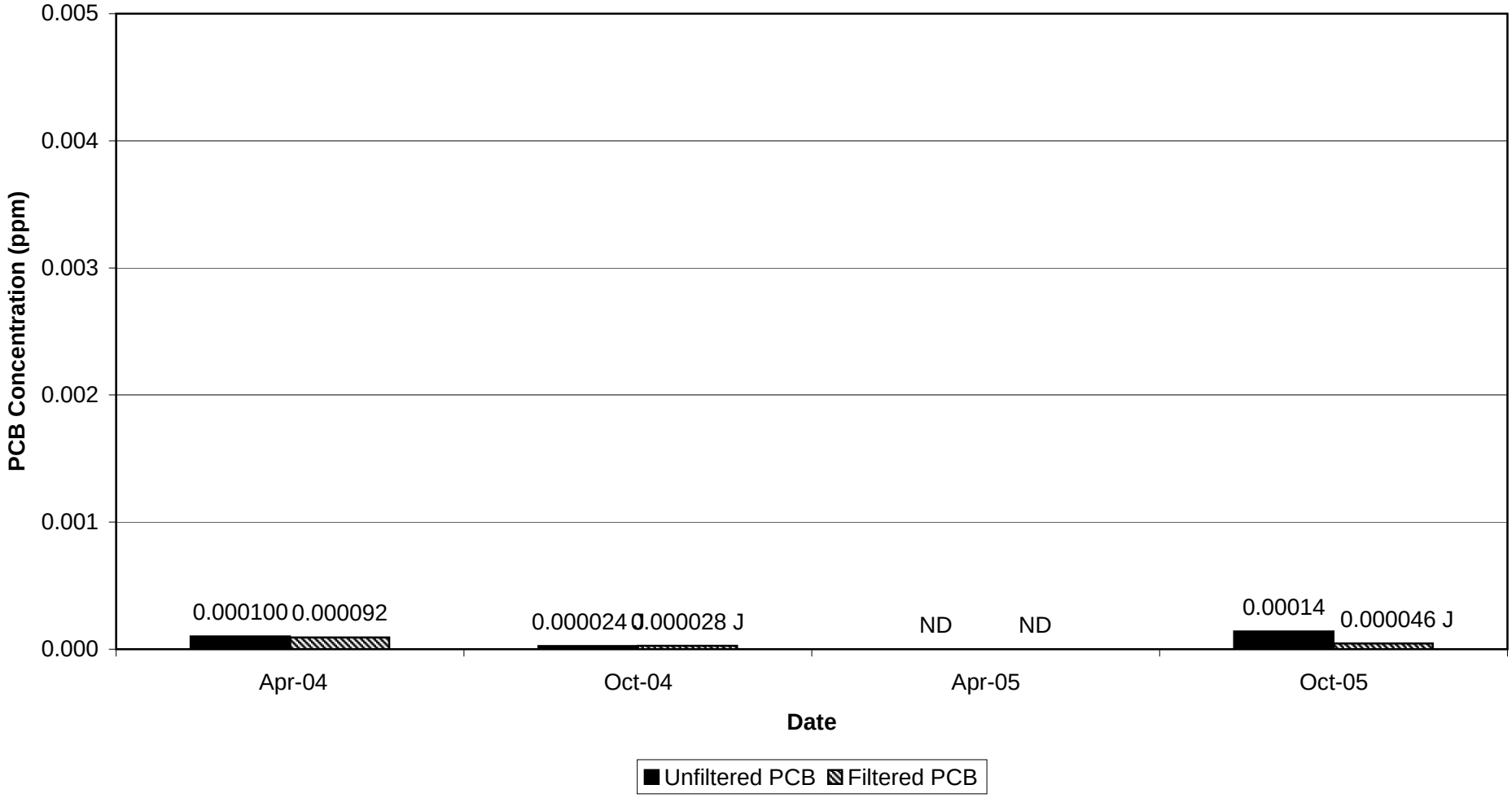
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-5 Historical Total PCB Concentrations



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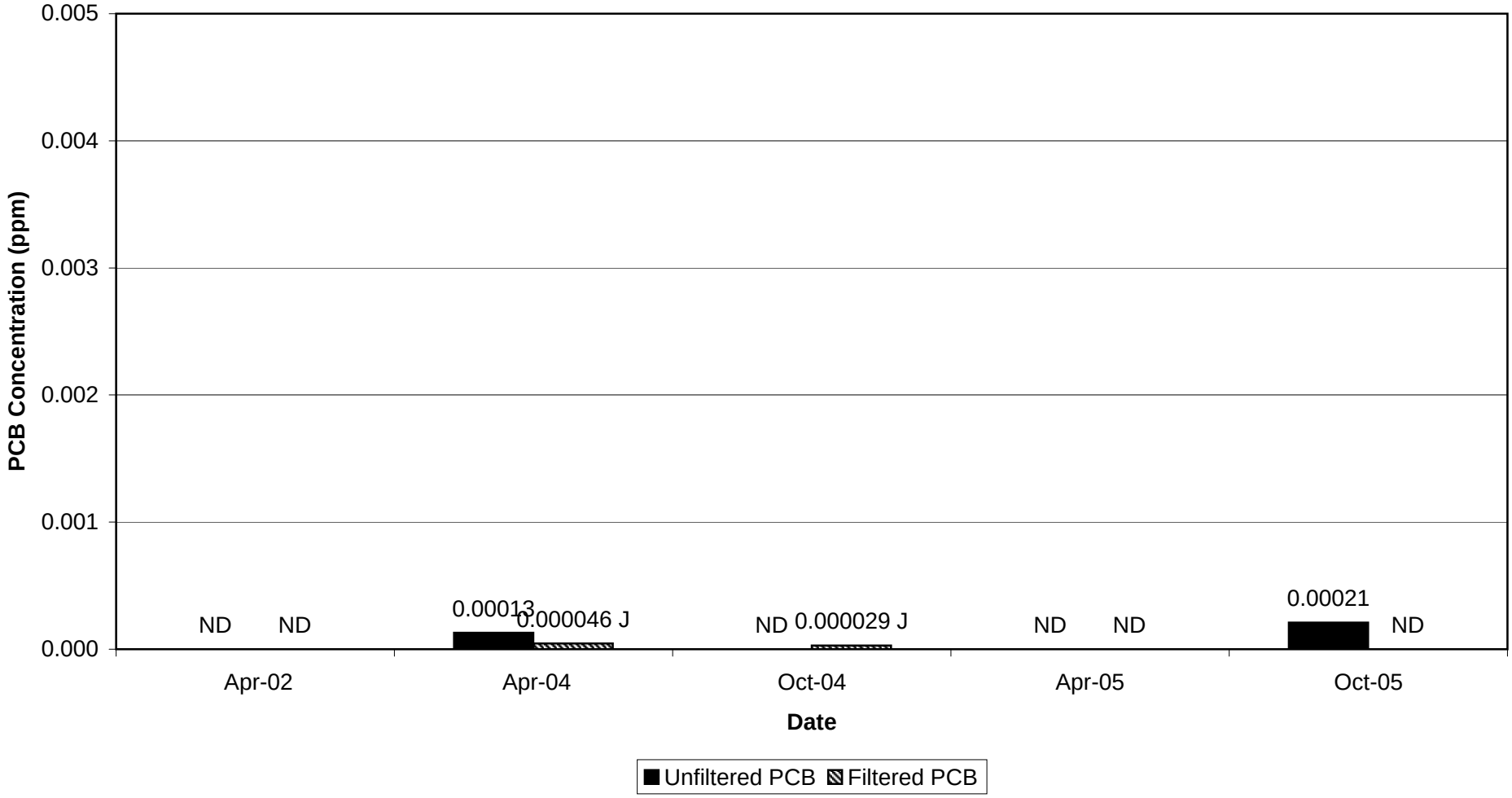
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-6 Historical Total PCB Concentrations



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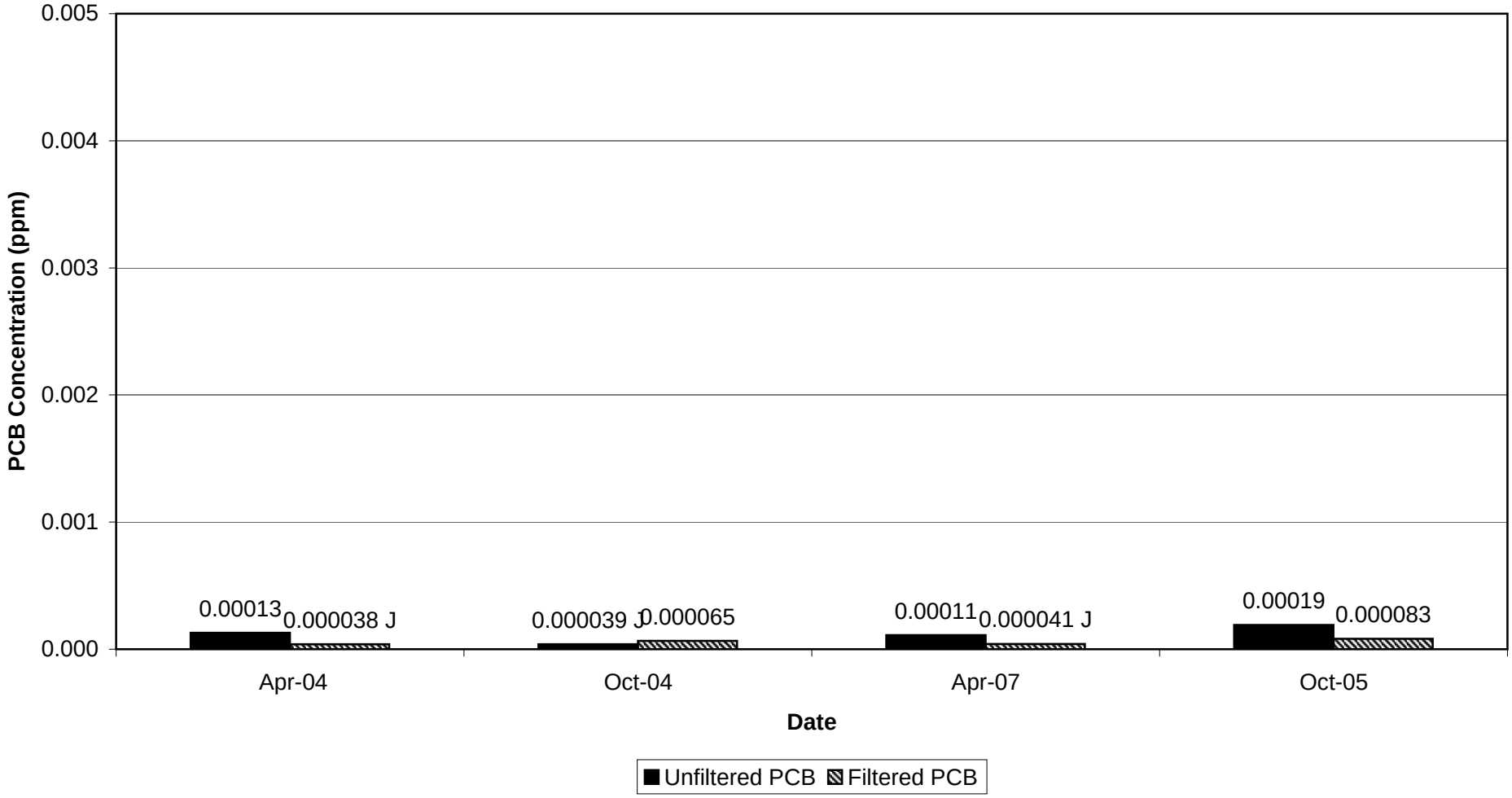
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well GMA3-7 Historical Total PCB Concentrations



Historical Groundwater Data

Chlorobenzene Concentrations – Select Wells Sampled in Fall 2005

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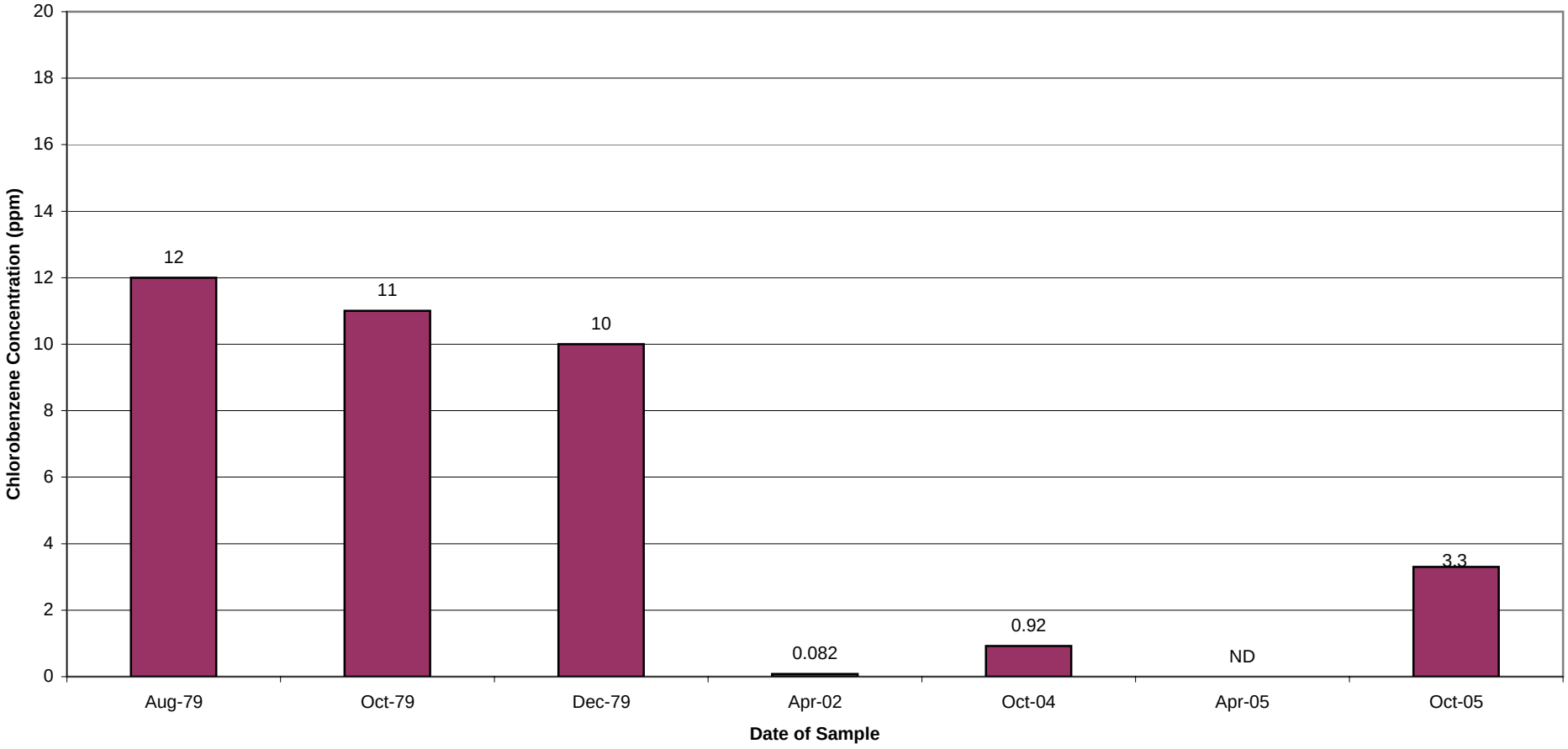
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 6B and 6B-R Historical Chlorobenzene Concentrations



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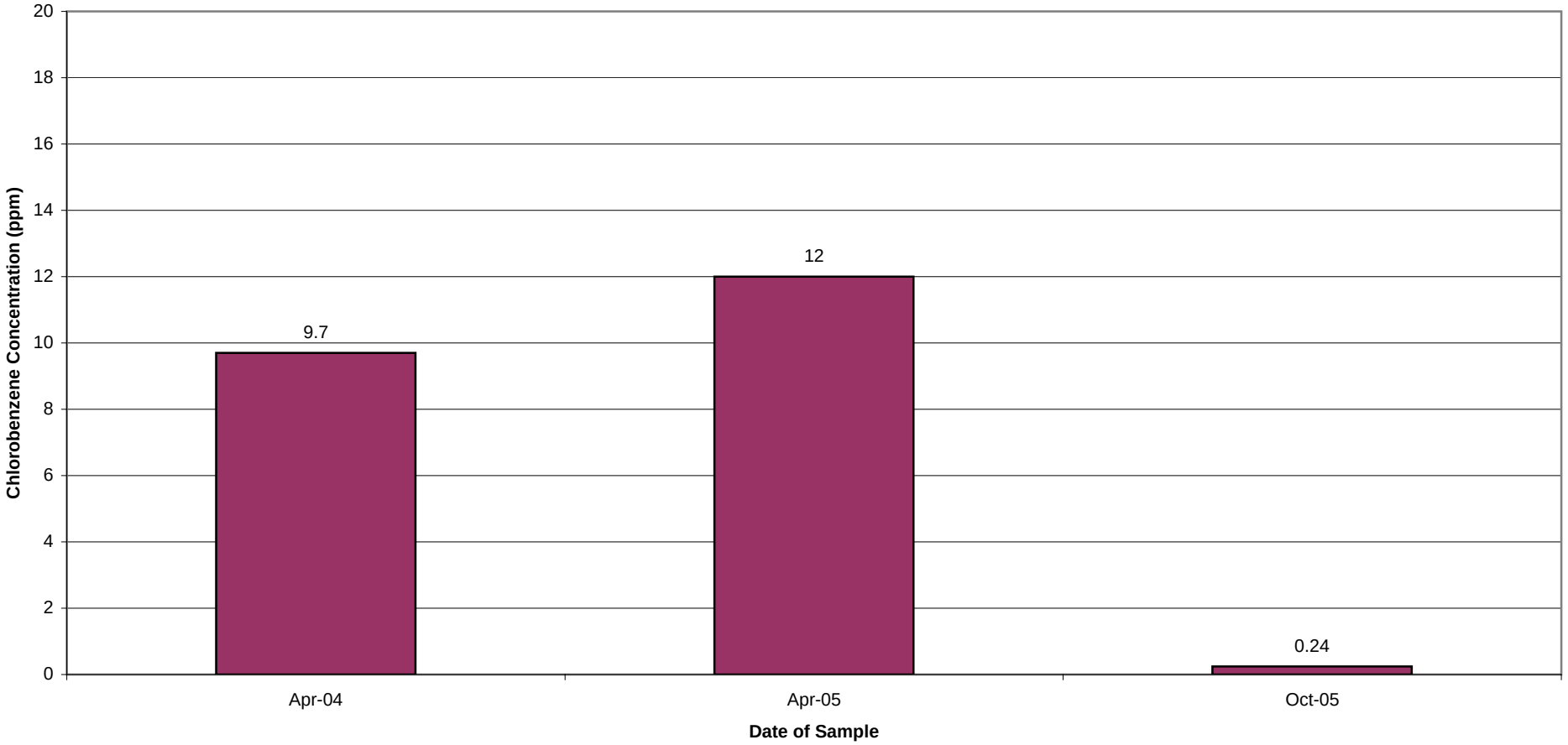
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 39B-R Historical Chlorobenzene Concentrations



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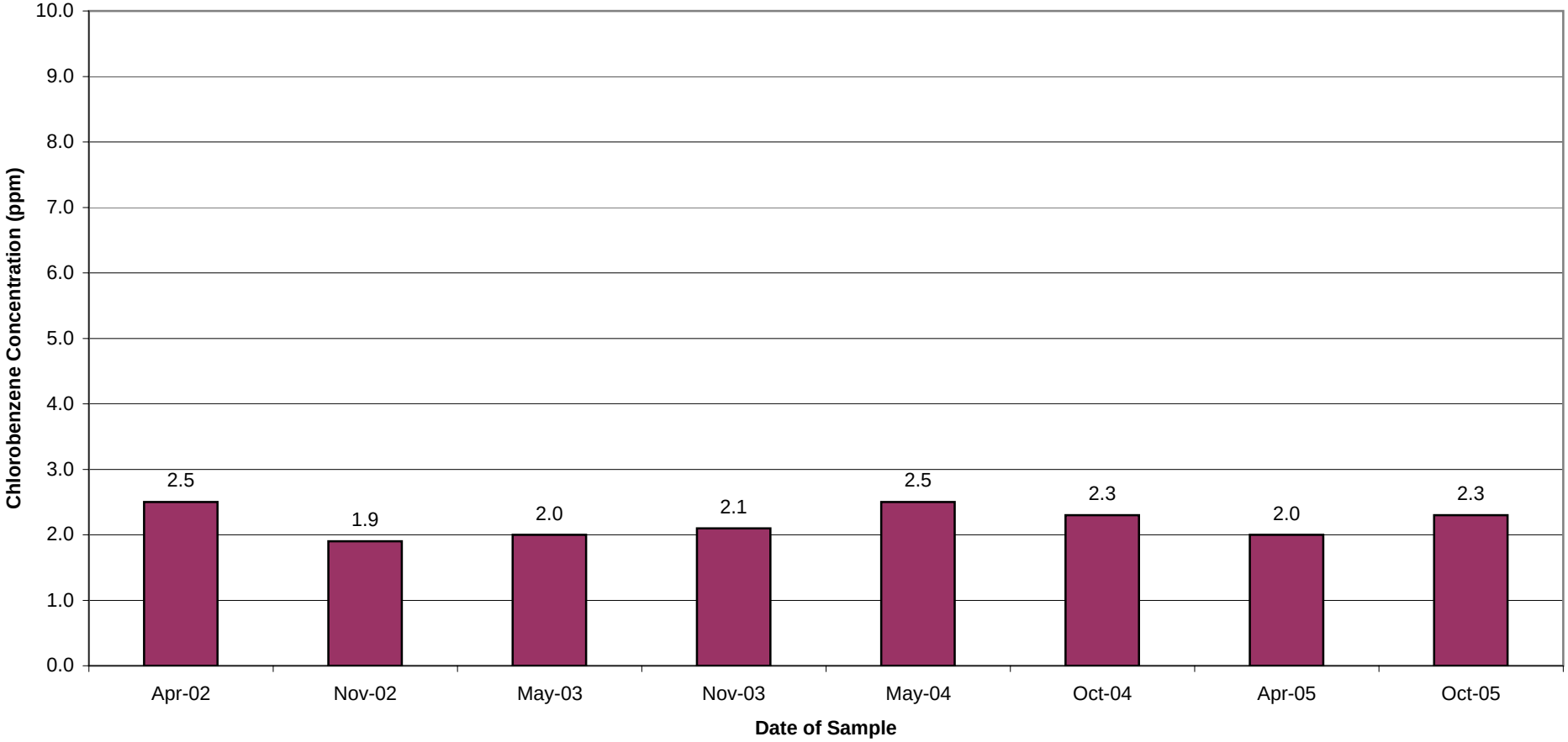
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 78B-R Historical Chlorobenzene Concentrations



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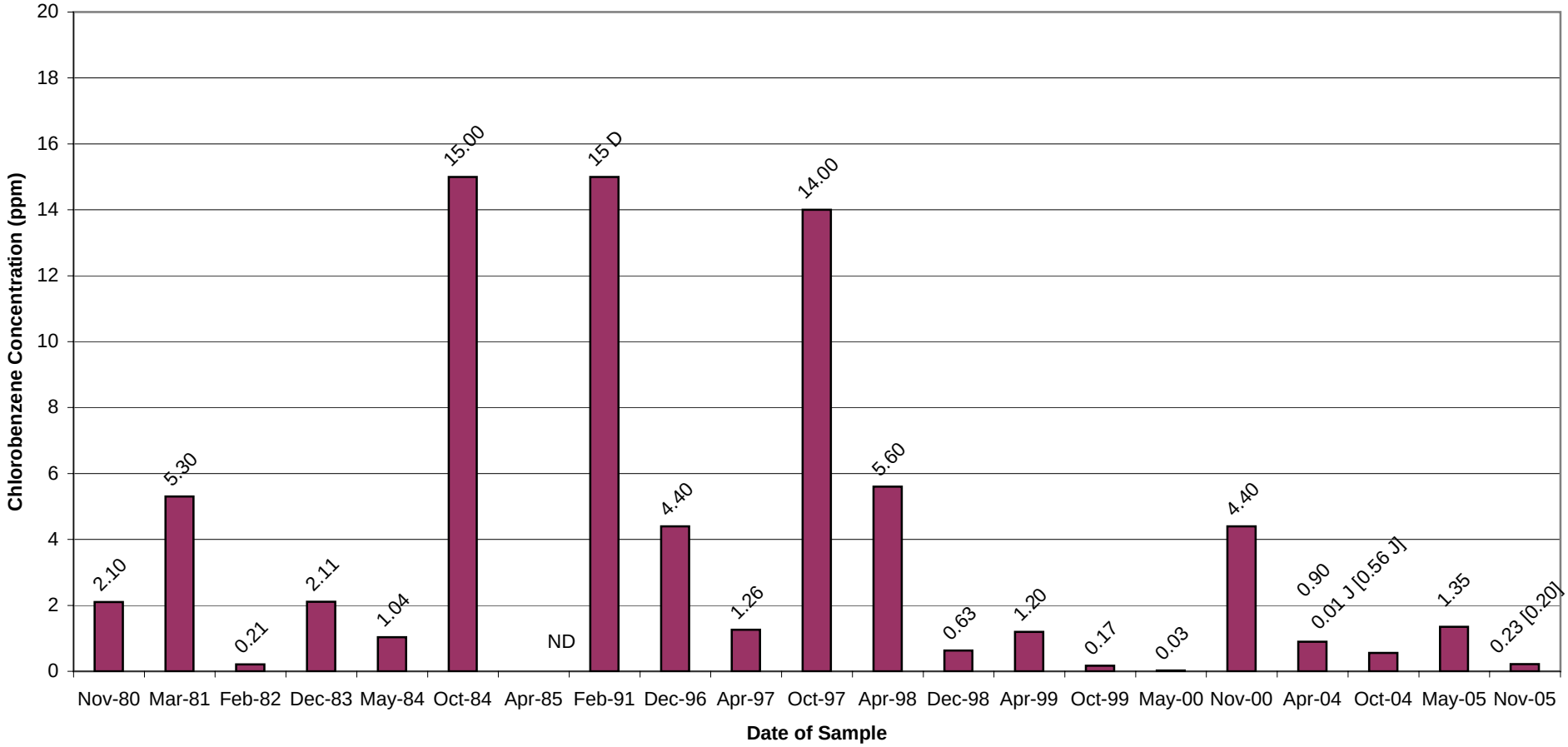
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 89B Historical Chlorobenzene Concentrations



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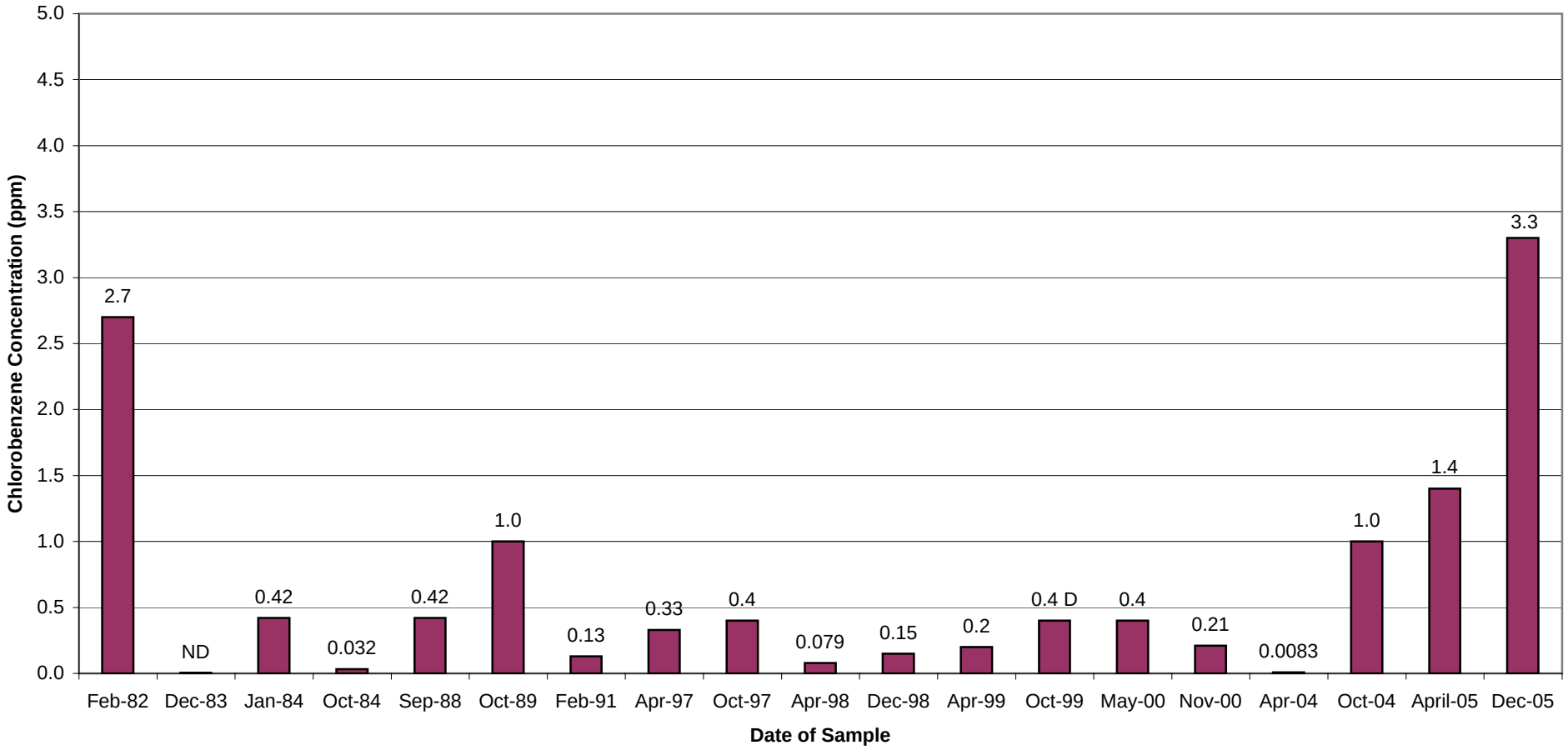
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114B and 114B-R Historical Chlorobenzene Concentrations



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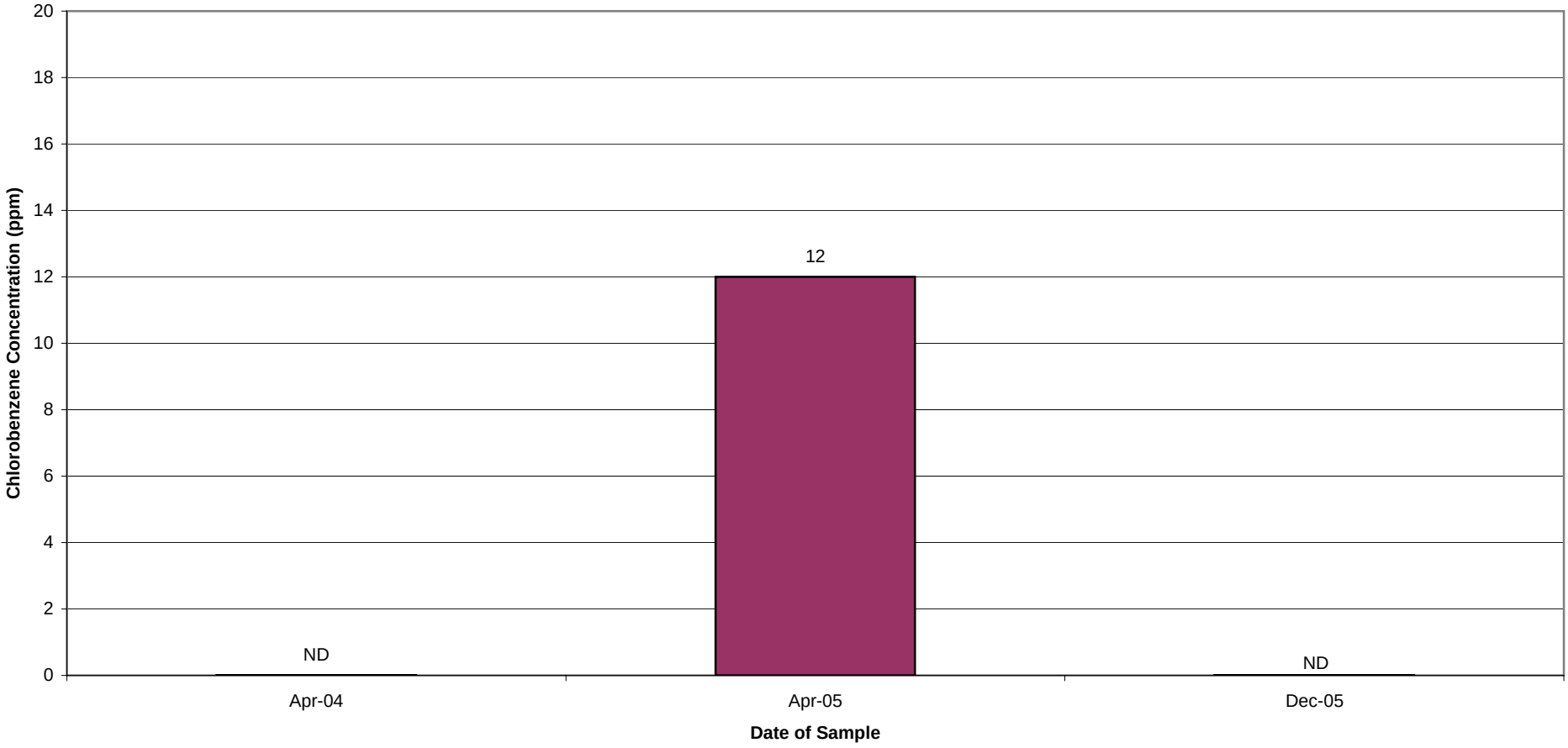
Groundwater Management Area 3
General Electric Company - Pittsfield, Massachusetts

Well 114A Historical Chlorobenzene Concentrations



Appendix E

Data Validation Report

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

APPENDIX E
GROUNDWATER SAMPLING DATA VALIDATION REPORT
GROUNDWATER MANAGEMENT AREA 3 (GMA 3)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

1.0 General

This attachment summarizes the Tier I and Tier II data reviews performed for groundwater samples collected during Remedial Investigation activities conducted at Plant Site 2 Groundwater Management Area (also known and referred to as GMA 3) located in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly CT&E) of Charleston, West Virginia. Data validation was performed for 29 PCB samples, 26 volatile organic compound (VOC) samples, 15 semi-volatile organic compound (SVOC) samples, 15 polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples, 11 pesticide/herbicide samples, 30 metal samples, and 30 cyanide/sulfide samples.

2.0 Data Evaluation Procedures

This attachment outlines the applicable quality control criteria utilized during the data review process and any deviations from those criteria. The data review was conducted in accordance with the following documents:

- *Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts*, Blasland, Bouck & Lee, Inc. (BBL; FSP/QAPP, approved May 25, 2004 and resubmitted June 15, 2004);
- *Region I Tiered Organic and Inorganic Data Validation Guidelines*, USEPA Region I (July 1, 1993);
- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses*, USEPA Region I (June 13, 1988) (Modified February 1989);
- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (February 1, 1988) (Modified November 1, 1988);
- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (Draft, December 1996); and
- *National Functional Guidelines for Dioxin/Furan Data Validation*, USEPA (Draft, January 1996).

A tabulated summary of the Tier I and Tier II data evaluations is presented in Table E-1. Each sample subjected to evaluation is listed in Table E-1 to document that data review was performed, as well as present the highest level of data validation (Tier I or Tier II) that was applied. Samples that required data qualification are listed separately for each parameter (compound or analyte) that required qualification.

The following data qualifiers were used in this data evaluation:

J The compound was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound is detected at an estimated concentration less than the corresponding practical quantitation limit (PQL).

U The compound was analyzed for, but was not detected. The sample quantitation limit is presented and adjusted for dilution and (for solid samples only) percent moisture. Non-detect sample results are presented as ND(PQL) within this report and in Table E-1 for consistency with documents previously prepared for investigations conducted at this site.

UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detect sample results that required qualification are presented as ND(PQL) J within this report and in Table E-1 for consistency with documents previously prepared for this investigation.

R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purpose.

3.0 Data Validation Procedures

The FSP/QAPP provides (in Section 7.5) that all analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (USEPA guidelines). Accordingly, 100% of the analytical data for these investigations were subjected to Tier I review. The Tier I review consisted of a completeness evidence audit, as outlined in the *USEPA Region I CSF Completeness Evidence Audit Program* (USEPA Region I, 7/31/91), to ensure that all laboratory data and documentation were present. In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the USEPA Region I Tier I data completeness requirements.

A Tier II review was performed to resolve data usability limitations identified from laboratory qualification of the data. The Tier II data review consisted of a review of all data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. The Tier II review resulted in the qualification of data for several samples due to minor QA/QC deficiencies. Additionally, all field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP. A tabulated summary of the samples subjected to Tier I and Tier II data evaluations is presented in the following table.

Summary of Samples Subjected to Tier I and Tier II Data Validation

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	0	0	0	25	2	2	29
VOCs	0	0	0	22	2	2	26
SVOCs	0	0	0	13	1	1	15
PCDDs/PCDFs	0	0	0	13	1	1	15
Pesticides/Herbicides	0	0	0	9	1	1	11

Summary of Samples Subjected to Tier I and Tier II Data Validation

	Tier I Only			Tier I &Tier II			
Metals	0	0	0	26	2	2	30
Cyanide/Sulfide	0	0	0	26	2	2	30
Total	**0**	**0**	**0**	**134**	**11**	**11**	**156**

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in USEPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented below for each analytical method.

4.0 Data Review

The initial calibration criterion for organic analyses requires that the average relative response factor (RRF) has a value greater than 0.05. Sample results were qualified as estimated (J) when this criterion was not met. The compounds that did not meet the initial calibration criterion and the number of samples qualified are presented in the following table.

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	4	J
SVOCs	Safrole	15	J

The continuing calibration criterion for VOCs and SVOCs requires that the continuing calibration RRF have a value greater than 0.05. Sample data for detect and non-detect compounds with RRF values less than 0.05 were qualified as estimated (J). The compounds that exceeded continuing calibration criterion and the number of samples qualified due to those exceedences are presented in the following table.

Compounds Qualified Due to Continuing Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	12	J
	Acetonitrile	1	J
	Acrylonitrile	4	J
	Isobutanol	7	J
SVOCs	4-Nitroquinoline-1-oxide	13	J
	Dimethoate	11	J

Several of the organic compounds (including the compounds presented in the above tables detailing RRF deviations) exhibit instrument response factors (RFs) below the USEPA Region I minimum value of 0.05, but meet the analytical method criterion, which does not specify minimum RFs for these compounds. These compounds were analyzed by the laboratory at a higher concentration than the compounds that normally exhibit RFs greater than the USEPA Region I minimum value of 0.05 in an effort to demonstrate acceptable response. USEPA Region I guidelines state that non-detect compound results associated with a RF less than the minimum value of 0.05 are to be rejected (R). However, in the case of these select organic compounds, the RF is an inherent problem with the current analytical methodology; therefore, the non-detect sample results were qualified as estimated (J).

Initial calibration criterion for organic compounds requires that the correlation coefficient of the initial calibration must be greater than or equal to 0.99. Sample data for compounds associated with a correlation coefficient value less than 0.99 were qualified as estimated (J). The compound that exceeded initial calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compound Qualified Due to Initial Calibration Correlation Coefficients Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	Benzidine	12	J

The initial calibration criterion for organic compounds requires that the percent relative standard deviation (%RSD) must be less than or equal to 30%. Sample data for detect and non-detect compounds with %RSD values greater than 30% were qualified as estimated (J). The compound that exceeded initial calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compound Qualified Due to Exceedence of %RSD Values

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	Hexachlorophene	12	J

Inorganic continuing calibration verification (CCV) criteria require that the percent recovery of the CCV standards be between 90% to 110% recovery. Sample data for detect and non-detect analytes that exceeded the CCV criteria were qualified as estimated (J). A summary of the analytes that exceeded continuing calibration criterion and the number of samples qualified due to those deviations are identified below.

Analytes Qualified Due to CCV Standard Deviations

Analysis	Analyte	Number of Affected Samples	Qualification
Inorganics	Barium	1	J
	Copper	1	J

The continuing calibration criterion requires that the percent difference (%D) between the initial calibration RRF and the continuing calibration RRF for VOCs and SVOCs be less than 25%. Sample data for detect and non-detect compounds with %D values that exceeded the continuing calibration criteria were qualified as estimated (J). A summary of the compounds that exceeded the continuing calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,1,1,2-Tetrachloroethane	5	J
	1,2-Dibromo-3-chloropropane	7	J
	1,2-Dibromoethane	1	J
	1,4-Dioxane	1	J
	2-Hexanone	1	J
	Acetone	4	J
	Acrolein	6	J
	Acrylonitrile	7	J
	Chloroethane	3	J
	Dichlorodifluoromethane	6	J
	Hexachlorobutadiene	7	J
	Iodomethane	1	J
	Isobutanol	1	J
	Propionitrile	5	J
	Tetrachloroethene	4	J
	trans-1,4-Dichloro-2-butene	1	J
SVOCs	1,3,5-Trinitrobenzene	15	J
	1,3-Dinitrobenzene	14	J
	1,4-Naphthoquinone	1	J
	2,3,4,6-Tetrachlorophenol	11	J
	2,4-Dinitrophenol	6	J
	2-Acetylaminofluorene	8	J
	2-Naphthylamine	14	J
	3,3'-Dimethylbenzidine	7	J
	4-Aminobiphenyl	14	J
	4-Nitrophenol	3	J
	4-Nitroquinoline-1-oxide	11	J
	5-Nitro-o-toluidine	2	J
	a,a'-Dimethylphenethylamine	15	J
	Aramite	7	J
	Benzidine	14	J
	bis(2-Chloroethoxy)methane	2	J
	bis(2-Chloroisopropyl)ether	4	J
	Diallate	6	J
	Dimethoate	11	J
	Fluoranthene	1	J
	Hexachlorocyclopentadiene	15	J
	Hexachlorophene	15	J
	Hexachloropropene	1	J
	Isophorone	2	J
	Isosafrole	13	J
	Kepone	11	J

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs (continued)	Methyl Methanesulfonate	9	J
	N-Nitroso-di-n-butylamine	1	J
	o-Toluidine	9	J
	p-Dimethylaminoazobenzene	1	J
	Pentachlorobenzene	1	J
	Safrole	9	J
	Sulfotepp	7	J
	Thionazin	3	J

Contract required detection limit (CRDL) standards were analyzed to evaluate instrument performance at low-level concentrations that are near the analytical method PQL. These standards are required to have recoveries between 80% and 120% to verify that the analytical instrumentation was properly calibrated. When CRDL standard recoveries were outside the 80% to 120% control limits, the affected samples with detected results at or near the PQL concentration (i.e., less than three times the PQL) were qualified as estimated (J). The analytes that did not meet CRDL criteria and the number of samples qualified due to those deviations are presented in the following table.

Analytes Qualified Due to CRDL Standard Recovery Deviations

Analysis	Analyte	Number of Affected Samples	Qualification
Metals	Selenium	27	J
	Thallium	19	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery be within the laboratory-generated QC control limits specified on the MS reporting form. Associated sample results with MS/MSD recoveries that were less than the laboratory-generated QC control limits and have recoveries greater than 10% were qualified as estimated (J). The compounds that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	Aroclor-1254	1	J
	Total PCBs	1	J

Surrogate compounds are analyzed with every organic sample to aid in evaluation of the sample extraction efficiency. As specified in the FSP/QAPP, two of the three SVOC surrogate compounds within each fraction, and at least one of the PCB, pesticide and herbicide surrogate compounds must have a recovery between laboratory-specified control limits must be within the laboratory-specified control limits. Sample results were qualified as estimated (J) for all compounds when surrogate recovery criteria were outside control limits and were greater than 10%. Non-detect sample results associated with surrogate recoveries less than 10% were qualified as rejected (R). A summary of the compounds affected by surrogate recovery exceedences and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Surrogate Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	Aroclor-1016	1	R
	Aroclor-1221	1	R
	Aroclor-1232	1	R
	Aroclor-1242	1	R
	Aroclor-1248	1	R
	Aroclor-1254	1	J
	Aroclor-1260	1	R
	Total PCBs	1	J
SVOCs	All acid compounds	2	R
Pesticides/ Herbicides	All pesticide compounds	1	R

Laboratory control sample (LCS) analysis recovery criteria for organics must be within the laboratory-generated QC acceptance limits specified on the LCS reporting form. Sample results associated with a LCS that exceeded laboratory-generated QC acceptance limits and exhibited a recovery greater than 10% were qualified as estimated (J). Compounds that did not meet LCS recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to LCS Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	1,2,4-Trichlorobenzene	1	J
	1,4-Dichlorobenzene	1	J
	Acenaphthene	1	J

Extraction holding time criterion for SVOCs and pesticides requires that water samples be extracted within 7 days. The compounds that exceeded the extraction holding time and the number of samples qualified due to deviations are presented in the following table.

Compounds Qualified Due to Extraction Holding Time Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	All compounds	1	J
Pesticides/ Herbicides	All pesticide compounds	1	J

Blank action levels for inorganics and organics analytes/compounds detected in the associated blanks were calculated at five times the blank concentrations (blank action levels were calculated at 10 times the blank concentration for common laboratory contaminants). Detected sample results that were below the blank action level were qualified with a "U." The analytes/compounds detected in the associated blanks which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

Analytes/Compounds Qualified Due to Blank Deviations

Analysis	Analyte/Compound	Number of Affected Samples	Qualification
Inorganics	Cadmium	1	U
	Chromium	2	U
	Copper	1	U
	Lead	8	U
	Mercury	6	U
	Nickel	7	U
	Selenium	1	U
	Zinc	2	U
PCDDs/PCDFs	1,2,3,4,6,7,8-HpCDD	4	U
	1,2,3,4,7,8,9-HpCDF	2	U
	1,2,3,6,7,8-HxCDD	1	U
	1,2,3,6,7,8-HxCDF	1	U
	1,2,3,7,8,9-HxCDD	1	U
	1,2,3,7,8-PeCDD	2	U
	1,2,3,7,8-PeCDF	2	U
	2,3,4,7,8-PeCDF	2	U
	2,3,7,8-TCDF	7	U
	HpCDDs (total)	4	U
	HpCDFs (total)	2	U
	HxCDDs (total)	1	U
	HxCDFs (total)	1	U
	OCDD	13	U
	OCDF	1	U
	PeCDDs (total)	2	U
	PeCDFs (total)	3	U
	TCDFs (total)	6	U
Cyanides/Sulfides	Sulfide	6	U

5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability for site characterization purposes. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. The percent usability calculation included analyses evaluated under both the Tier I and Tier II data validation reviews. Data completeness with respect to usability was calculated separately for inorganic and each of the organic analysis. The percent usability calculation also includes quality control samples collected to aid in the evaluation of data usability. Therefore, field/equipment blank, trip blank, and field duplicate data determined to be unusable as a result of the validation process are represented in the percent usability value tabulated in the following table.

Data Usability

Parameter	Percent Usability	Rejected Data
Metals	100	None
Cyanides and Sulfides	100	None
VOCs	100	None
SVOCs	98.1	A total of 32 sample results were rejected due to surrogate recovery deviations.
PCBs	97.4	A total of six sample results were rejected due to surrogate recovery deviations.
Pesticides and Herbicides	92.3	A total of 23 sample results were rejected due to surrogate recovery deviations.
PCDDs/PCDFs	100	None

The data package completeness, as determined from the Tier I data review, was used in combination with the data quality deviations identified during the Tier II data review to determine overall data quality. As specified in the FSP/QAPP, the overall precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters determined from the Tier I and Tier II data reviews were used as indicators of overall data quality. These parameters were assessed through an evaluation of the results of the field and laboratory QA/QC sample analyses to provide a measure of compliance of the analytical data with the Data Quality Objectives (DQOs) specified in the FSP/QAPP. Therefore, the following sections present summaries of the PARCC parameters assessment with regard to the DQOs specified in the FSP/QAPP.

5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included laboratory duplicates, field duplicates, MS/MSD samples, and ICP serial dilution samples. For this analytical program, none of the data required qualification due to laboratory duplicate RPD deviations, field duplicate RPD deviations, MS/MSD RPD deviations, or ICP serial dilution deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, Laboratory Control Samples (LCSs), MS/MSD samples, and surrogate compound recoveries. For this analytical program, 8.9% of the data required qualification due to instrument calibration deviations, 0.04% of the data required qualification due to MS/MSD recovery deviations, 1.4% of the data required qualification due to surrogate compound recovery deviations, and 0.06% of the data required qualification due to LCS recovery deviations. None of the data required qualification due to internal standards deviations.

5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in MDEP-approved work plans, and by following the procedures for sample collection/analyses that were described in the FSP/QAPP. Additionally, the analytical program used procedures consistent with USEPA-approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical program, 2.6% of the data required qualification due to extraction holding time deviations.

5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. The USEPA SW-846[1] analytical methods presented in the FSP/QAPP are updated on occasion by the USEPA to benefit from recent technological advancements in analytical chemistry and instrumentation. In most cases, the method upgrades include the incorporation of new technology that improves the sensitivity and stability of the instrumentation or allows the laboratory to increase throughput without hindering accuracy and precision. Overall, the analytical methods for this investigation have remained consistent in their general approach through continued use of the basic analytical techniques (e.g., sample extraction/preparation, instrument calibration, QA/QC procedures). Through this use of consistent base analytical procedures and by requiring that updated procedures meet the QA/QC criteria specified in the FSP/QAPP, the analytical data from past, present, and future sampling events will be comparable to allow for qualitative and quantitative assessment of site conditions.

5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. The actual completeness of this analytical data set ranged from 92.3 to 100% for individual analytical parameters and had an overall usability of 98.3%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

The rejected sample data for these investigations include sample analyses results for eight PCBs for sample location 111-BR, 32 SVOCs for sample locations 54B-R and 114B-R, and 23 Pesticides for sample location 90B due to low surrogate recoveries. Re-extraction has demonstrated matrix interference and the same analytical performance limitations for the analysis could occur again; therefore, resampling at these locations is not recommended.

[1] Test Methods for evaluating Solid Waste, SW-846, USEPA, Final Update III, December 1996.

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
5J0P415	GMA3-3	10/19/2005	Water	Tier II	No						
5J0P415	GMA3-3 (Filtered)	10/19/2005	Water	Tier II	No						
5J0P415	GMA3-5	10/18/2005	Water	Tier II	No						
5J0P415	GMA3-5 (Filtered)	10/18/2005	Water	Tier II	No						
5J0P415	GMA3-7	10/19/2005	Water	Tier II	No						
5J0P415	GMA3-7 (Filtered)	10/19/2005	Water	Tier II	No						
5J0P443	6B-R	10/20/2005	Water	Tier II	No						
5J0P443	6B-R (Filtered)	10/20/2005	Water	Tier II	No						
5J0P443	78B-R	10/20/2005	Water	Tier II	No						
5J0P443	78B-R (Filtered)	10/20/2005	Water	Tier II	No						
5J0P443	GMA3-6	10/21/2005	Water	Tier II	No						
5J0P443	GMA3-6 (Filtered)	10/21/2005	Water	Tier II	No						
5K0P101	111-BR	11/3/2005	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	4.5%	36% to 144%	R	
						Aroclor-1221	Surrogate Recovery	4.5%	36% to 144%	R	
						Aroclor-1232	Surrogate Recovery	4.5%	36% to 144%	R	
						Aroclor-1242	Surrogate Recovery	4.5%	36% to 144%	R	
						Aroclor-1248	Surrogate Recovery	4.5%	36% to 144%	R	
						Aroclor-1254	Surrogate Recovery	4.5%	36% to 144%	0.000036 J	
						Aroclor-1260	Surrogate Recovery	4.5%	36% to 144%	R	
						Total PCBs	Surrogate Recovery	4.5%	36% to 144%	0.000036 J	
5K0P101	111-BR (Filtered)	11/3/2005	Water	Tier II	No						
5K0P125	90B	11/4/2005	Water	Tier II	No						
5K0P125	90B (Filtered)	11/4/2005	Water	Tier II	No						
5K0P125	95B-R	11/4/2005	Water	Tier II	No						
5K0P125	95B-R (Filtered)	11/4/2005	Water	Tier II	No						
5K0P189	82B-R	11/8/2005	Water	Tier II	Yes	Aroclor-1254	MS %R	133.0%	50% to 130%	0.00066 J	
						Total PCBs	MS %R	133.0%	50% to 130%	0.00066 J	
5K0P189	82B-R (Filtered)	11/8/2005	Water	Tier II	No						
5K0P189	89B	11/9/2005	Water	Tier II	No						
5K0P189	89B (Filtered)	11/9/2005	Water	Tier II	No						
5K0P189	DUP #5	11/9/2005	Water	Tier II	No						89B
5K0P189	DUP #5 (Filtered)	11/9/2005	Water	Tier II	No						89B
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	No						
5K0P189	GMA3-RB-1 (Filtered)	11/8/2005	Water	Tier II	No						
5K0P246	54B-R	11/10/2005	Water	Tier II	No						
5K0P246	54B-R (Filtered)	11/10/2005	Water	Tier II	No						
5L0P249	114B-R	12/8/2005	Water	Tier II	No						
Metals											
5J0P415	GMA3-3	10/19/2005	Water	Tier II	Yes	Nickel	Associated Blank	-	-	ND(0.040)	
						Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	
5J0P415	GMA3-3 (Filtered)	10/19/2005	Water	Tier II	Yes	Lead	Method Blank	-	-	ND(0.0030)	
						Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	
5J0P415	GMA3-5	10/18/2005	Water	Tier II	Yes	Nickel	Associated Blank	-	-	ND(0.040)	
						Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	
5J0P415	GMA3-5 (Filtered)	10/18/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	
						Zinc	Method Blank	-	-	ND(0.0030)	
5J0P415	GMA3-7	10/19/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	
5J0P415	GMA3-7 (Filtered)	10/19/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	
5J0P443	6B-R	10/20/2005	Water	Tier II	Yes	Lead	Method Blank	-	-	ND(0.0033)	
						Nickel	Associated Blank	-	-	ND(0.040)	
						Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	
5J0P443	6B-R (Filtered)	10/20/2005	Water	Tier II	Yes	Chromium	Method Blank	-	-	ND(0.010)	
						Lead	Method Blank	-	-	ND(0.0030)	
						Selenium	CRDL Standard %R	139.8%, 152.9%	80% to 120%	0.00580 J	
5J0P443	78B-R	10/20/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals (continued)											
5J0P443	78B-R (Filtered)	10/20/2005	Water	Tier II	Yes	Chromium	Method Blank	-	-	ND(0.010)	
						Lead	Method Blank	-	-	ND(0.0030)	
						Selenium	CRDL Standard %R	139.8%, 152.9%	80% to 120%	ND(0.00500) J	
5J0P443	GMA3-6	10/21/2005	Water	Tier II	Yes	Nickel	Associated Blank	-	-	ND(0.040)	
						Selenium	CRDL Standard %R	121.9%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	125.8%	80% to 120%	ND(0.0100) J	
5J0P443	GMA3-6 (Filtered)	10/21/2005	Water	Tier II	Yes	Lead	Method Blank	-	-	ND(0.0030)	
						Selenium	CRDL Standard %R	139.8%, 152.9%	80% to 120%	0.00820 J	
5K0P101	111-BR	11/3/2005	Water	Tier II	Yes	Mercury	Associated Blank	-	-	ND(0.00020)	
						Selenium	CRDL Standard %R	144.5%	80% to 120%	ND(0.0086) J	
						Selenium	Associated Blank	-	-	ND(0.0086)	
5K0P101	111-BR (Filtered)	11/3/2005	Water	Tier II	Yes	Mercury	Associated Blank	-	-	ND(0.00020)	
5K0P125	90B	11/4/2005	Water	Tier II	Yes	Cadmium	Method Blank	-	-	ND(0.0050)	
						Copper	Method Blank	-	-	ND(0.025)	
						Mercury	Associated Blank	-	-	ND(0.00020)	
						Nickel	Method Blank	-	-	ND(0.040)	
5K0P125	90B (Filtered)	11/4/2005	Water	Tier II	Yes	Mercury	Associated Blank	-	-	ND(0.00020)	
						Selenium	CRDL Standard %R	144.5%	80% to 120%	ND(0.00500) J	
5K0P125	95B-R	11/4/2005	Water	Tier II	Yes	Mercury	Associated Blank	-	-	ND(0.00020)	
5K0P125	95B-R (Filtered)	11/4/2005	Water	Tier II	Yes	Mercury	Associated Blank	-	-	ND(0.00020)	
						Selenium	CRDL Standard %R	144.5%	80% to 120%	ND(0.00500) J	
5K0P189	82B-R	11/8/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	68.3%, 71.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	138.7%	80% to 120%	ND(0.0100) J	
5K0P189	82B-R (Filtered)	11/8/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	122.0%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	76.6%, 68.0%	75% to 125%	ND(0.0100) J	
5K0P189	89B	11/9/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	68.3%, 71.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	138.7%	80% to 120%	ND(0.0100) J	
5K0P189	89B (Filtered)	11/9/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	122.0%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	76.6%, 68.0%	75% to 125%	ND(0.0100) J	
5K0P189	DUP #5	11/9/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	68.3%, 71.2%	80% to 120%	ND(0.00500) J	89B
						Thallium	CRDL Standard %R	138.7%	80% to 120%	ND(0.0100) J	
5K0P189	DUP #5 (Filtered)	11/9/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	122.0%	80% to 120%	ND(0.00500) J	89B
						Thallium	CRDL Standard %R	76.6%, 68.0%	75% to 125%	ND(0.0100) J	
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	Yes	Lead	Associated Blanks	-	-	ND(0.0030)	
						Selenium	CRDL Standard %R	68.3%, 71.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	138.7%	80% to 120%	ND(0.0100) J	
5K0P189	GMA3-RB-1 (Filtered)	11/8/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	122.0%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	76.6%, 68.0%	80% to 120%	ND(0.0100) J	
5K0P246	54B-R	11/10/2005	Water	Tier II	Yes	Barium	CCV %R	113.6%	90% to 110%	0.210 J	
						Copper	CCV %R	110.9%	90% to 110%	0.00700 J	
						Selenium	CRDL Standard %R	68.3%, 71.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	138.7%	80% to 120%	ND(0.0100) J	
						Lead	Associated Blanks	-	-	ND(0.0030)	
						Nickel	Associated Blank	-	-	ND(0.040)	
						Zinc	Associated Blank	-	-	ND(0.020)	
5K0P246	54B-R (Filtered)	11/10/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	122.0%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	76.6%, 68.0%	80% to 120%	ND(0.0100) J	
5L0P249	114B-R	12/8/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	124.3%	80% to 120%	ND(0.00500) J	
						Lead	Associated Blanks	-	-	ND(0.0030)	
5L0P249	114B-R (Filtered)	12/8/2005	Water	Tier II	Yes	Selenium	CRDL Standard %R	124.3%	80% to 120%	ND(0.00500) J	
						Nickel	Associated Blanks	-	-	ND(0.040)	
VOCs											
5J0P371	DUP#3	10/18/2005	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.004	>0.05	ND(0.20) J	GMA3-8
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.042	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	42.0%	<25%	ND(0.0050) J	
						Propionitrile	CCAL %D	48.0%	<25%	ND(0.010) J	
						Tetrachloroethene	CCAL %D	56.8%	<25%	ND(0.0020) J	
5J0P371	GMA3-2	10/18/2005	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.004	>0.05	ND(0.20) J	
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.042	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	42.0%	<25%	ND(0.0050) J	
						Propionitrile	CCAL %D	48.0%	<25%	ND(0.010) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
5J0P371	GMA3-2	10/18/2005	Water	Tier II	Yes	Tetrachloroethene	CCAL %D	56.8%	<25%	ND(0.0020) J	
5J0P371	GMA3-8	10/18/2005	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.004	>0.05	ND(0.20) J	
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.042	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	42.0%	<25%	ND(0.0050) J	
						Propionitrile	CCAL %D	48.0%	<25%	ND(0.010) J	
						Tetrachloroethene	CCAL %D	56.8%	<25%	ND(0.0020) J	
5J0P371	GMA3-9	10/18/2005	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.004	>0.05	ND(0.20) J	
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.042	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	42.0%	<25%	ND(0.0050) J	
						Propionitrile	CCAL %D	48.0%	<25%	ND(0.010) J	
						Tetrachloroethene	CCAL %D	56.8%	<25%	ND(0.0020) J	
5J0P415	GMA3-3	10/19/2005	Water	Tier II	No						
5J0P415	GMA3-4	10/19/2005	Water	Tier II	No						
5J0P415	GMA3-5	10/18/2005	Water	Tier II	No						
5J0P415	GMA3-7	10/19/2005	Water	Tier II	No						
5J0P415	OBG-2	10/19/2005	Water	Tier II	No						
5J0P443	16B-R	10/20/2005	Water	Tier II	No						
5J0P443	39B-R	10/21/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL %D	35.8%	<25%	ND(0.20) J	
						1,4-Dioxane	CCAL RRF	0.005	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	28.8%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Dichlorodifluoromethane	CCAL %D	46.8%	<25%	ND(0.010) J	
						Propionitrile	CCAL %D	37.2%	<25%	ND(0.010) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	29.6%	<25%	ND(0.010) J	
5J0P443	51-14	10/20/2005	Water	Tier II	No						
5J0P443	6B-R	10/20/2005	Water	Tier II	No						
5J0P443	78B-R	10/20/2005	Water	Tier II	No						
5J0P443	GMA3-6	10/21/2005	Water	Tier II	No						
5K0P101	111-BR	11/3/2005	Water	Tier II	Yes	1,1,1,2-Tetrachloroethane	CCAL %D	32.8%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						Hexachlorobutadiene	CCAL %D	28.8%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	58.0%	<25%	ND(0.0050) J	
						Isobutanol	CCAL RRF	0.008	>0.05	ND(0.10) J	
5K0P125	90B	11/4/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						Acrolein	CCAL %D	28.0%	<25%	ND(0.10) J	
						Hexachlorobutadiene	CCAL %D	33.6%	<25%	ND(0.0010) J	
						Isobutanol	CCAL RRF	0.008	>0.05	ND(0.10) J	
5K0P125	95B-R	11/4/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						Acrolein	CCAL %D	28.0%	<25%	ND(0.10) J	
						Hexachlorobutadiene	CCAL %D	33.6%	<25%	ND(0.0010) J	
						Isobutanol	CCAL RRF	0.008	>0.05	ND(0.10) J	
5K0P189	82B-R	11/8/2005	Water	Tier II	Yes	1,1,1,2-Tetrachloroethane	CCAL %D	32.0%	<25%	ND(0.0050) J	
						1,2-Dibromo-3-chloropropane	CCAL %D	25.2%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						Acrolein	CCAL %D	32.5%	<25%	ND(0.10) J	
						Hexachlorobutadiene	CCAL %D	25.2%	<25%	ND(0.0010) J	
						Isobutanol	CCAL RRF	0.008	>0.05	ND(0.10) J	
5K0P189	89B	11/9/2005	Water	Tier II	Yes	1,1,1,2-Tetrachloroethane	CCAL %D	32.0%	<25%	ND(0.0050) J	
						1,2-Dibromo-3-chloropropane	CCAL %D	25.2%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						Acrolein	CCAL %D	32.5%	<25%	ND(0.10) J	
						Hexachlorobutadiene	CCAL %D	25.2%	<25%	0.00063 J	
						Isobutanol	CCAL RRF	0.008	>0.05	ND(0.10) J	
5K0P189	DUP #5	11/9/2005	Water	Tier II	Yes	1,1,1,2-Tetrachloroethane	CCAL %D	32.0%	<25%	ND(0.0050) J	89B
						1,2-Dibromo-3-chloropropane	CCAL %D	25.2%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						Acrolein	CCAL %D	32.5%	<25%	ND(0.10) J	
						Hexachlorobutadiene	CCAL %D	25.2%	<25%	ND(0.0010) J	
						Isobutanol	CCAL RRF	0.008	>0.05	ND(0.10) J	
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	Yes	1,1,1,2-Tetrachloroethane	CCAL %D	32.0%	<25%	ND(0.0050) J	
						1,2-Dibromo-3-chloropropane	CCAL %D	25.2%	<25%	ND(0.0050) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						Acrolein	CCAL %D	32.5%	<25%	ND(0.10) J	
						Hexachlorobutadiene	CCAL %D	25.2%	<25%	ND(0.0010) J	
						Isobutanol	CCAL RRF	0.008	>0.05	ND(0.10) J	
5K0P246	54B-R	11/10/2005	Water	Tier II	Yes	1,2-Dibromoethane	CCAL %D	30.8%	<25%	ND(0.0010) J	
						1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						Acetone	CCAL %D	63.2%	<25%	ND(0.010) J	
						Dichlorodifluoromethane	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Isobutanol	CCAL %D	76.8%	<25%	ND(0.10) J	
5L0P249	114A	12/8/2005	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	CCAL %D	25.2%	<25%	ND(1.0) J	
						1,4-Dioxane	CCAL RRF	0.006	>0.05	ND(1.0) J	
						Acetone	CCAL %D	26.0%	<25%	ND(1.0) J	
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(1.0) J	
						Chloroethane	CCAL %D	99.9%	<25%	ND(1.0) J	
5L0P249	114B-R	12/8/2005	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	CCAL %D	25.2%	<25%	ND(0.050) J	
						1,4-Dioxane	CCAL RRF	0.006	>0.05	ND(0.20) J	
						Acetone	CCAL %D	26.0%	<25%	ND(0.050) J	
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(0.050) J	
						Chloroethane	CCAL %D	99.9%	<25%	ND(0.050) J	
5L0P249	TRIP BLANK	12/8/2005	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	CCAL %D	25.2%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.006	>0.05	ND(0.20) J	
						Acetone	CCAL %D	26.0%	<25%	ND(0.010) J	
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(0.0050) J	
						Chloroethane	CCAL %D	99.9%	<25%	ND(0.0050) J	
SVOCs											
5J0P415	GMA3-3	10/19/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	49.3%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	36.2%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	30.2%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	31.7%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	27.5%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	26.5%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	46.4%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	69.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	92.1%	<25%	ND(0.020) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	27.5%	<25%	ND(0.010) J	
						Diallate	CCAL %D	42.6%	<25%	ND(0.010) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	35.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.5%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	78.2%	<25%	ND(0.050) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Sulfotepp	CCAL %D	32.5%	<25%	ND(0.010) J	
5J0P415	GMA3-5	10/18/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	49.3%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	36.2%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	30.2%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	31.7%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	27.5%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	26.5%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	46.4%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	69.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	92.1%	<25%	ND(0.020) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	27.5%	<25%	ND(0.010) J	
						Diallate	CCAL %D	42.6%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	35.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.5%	<25%	ND(0.020) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
5J0P415	GMA3-5	10/18/2005	Water	Tier II	Yes	Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5J0P415	GMA3-7	10/19/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	49.3%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	36.2%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	30.2%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	31.7%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	27.5%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	26.5%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	46.4%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	69.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	92.1%	<25%	ND(0.020) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	27.5%	<25%	ND(0.010) J	
						Diallate	CCAL %D	42.6%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	35.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.5%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5J0P443	6B-R	10/20/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	48.6%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	31.7%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	28.1%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	32.9%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	30.8%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	38.9%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	73.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	94.0%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	33.7%	<25%	ND(0.010) J	
						Diallate	CCAL %D	43.9%	<25%	ND(0.010) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	37.3%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	77.9%	<25%	ND(0.050) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	35.7%	<25%	ND(0.010) J	
5J0P443	78B-R	10/20/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	48.8%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.6%	<25%	0.0021 J	
						2,4-Dinitrophenol	CCAL %D	27.8%	<25%	ND(0.050) J	
						2-Naphthylamine	CCAL %D	31.9%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	42.0%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	57.2%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	79.5%	<25%	ND(0.020) J	
						bis(2-Chloroethoxy)methane	CCAL %D	62.2%	<25%	ND(0.010) J	
						Diallate	CCAL %D	44.2%	<25%	ND(0.010) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	33.5%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	77.9%	<25%	ND(0.050) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Sulfotepp	CCAL %D	33.2%	<25%	ND(0.010) J	
5J0P443	GMA3-6	10/21/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	48.8%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.6%	<25%	ND(0.010) J	
						2,4-Dinitrophenol	CCAL %D	27.8%	<25%	ND(0.050) J	
						2-Naphthylamine	CCAL %D	31.9%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	42.0%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	57.2%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	79.5%	<25%	ND(0.020) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
5J0P443	GMA3-6	10/21/2005	Water	Tier II	Yes	bis(2-Chloroethoxy)methane	CCAL %D	62.2%	<25%	ND(0.010) J	
						Diallate	CCAL %D	44.2%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	33.5%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
5K0P101	111-BR	11/3/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	63.9%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	56.2%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	48.4%	<25%	ND(0.010) J	
						2-Acetylaminofluorene	CCAL %D	37.1%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.8%	<25%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	30.8%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	53.0%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	62.6%	<25%	ND(0.010) J	
						Aramite	CCAL %D	34.5%	<25%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Fluoranthene	CCAL %D	79.0%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	35.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	55.2%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	92.8%	<25%	ND(0.010) J	
						p-Dimethylaminoazobenzene	CCAL %D	25.8%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	25.2%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	37.0%	<25%	ND(0.010) J	
						Thionazin	CCAL %D	33.2%	<25%	ND(0.010) J	
5K0P125	90B	11/4/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	67.4%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	44.7%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	45.6%	<25%	ND(0.010) J	
						2,4-Dinitrophenol	CCAL %D	28.4%	<25%	ND(0.050) J	
						2-Acetylaminofluorene	CCAL %D	37.9%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.4%	<25%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	30.3%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	49.3%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	45.5%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	67.6%	<25%	ND(0.010) J	
						Aramite	CCAL %D	29.7%	<25%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	74.0%	<25%	ND(0.020) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	31.6%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	55.7%	<25%	ND(0.050) J	
						Methyl Methanesulfonate	CCAL %D	53.6%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	92.7%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	32.6%	<25%	ND(0.010) J	
						Sulfotepp	CCAL %D	33.2%	<25%	ND(0.010) J	
5K0P125	95B-R	11/4/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	67.4%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	44.7%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	45.6%	<25%	ND(0.010) J	
						2,4-Dinitrophenol	CCAL %D	28.4%	<25%	ND(0.050) J	
						2-Acetylaminofluorene	CCAL %D	37.9%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.4%	<25%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	30.3%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	49.3%	<25%	ND(0.010) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
5K0P125	95B-R	11/4/2005	Water	Tier II	Yes	4-Nitroquinoline-1-oxide	CCAL %D	45.5%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	67.6%	<25%	ND(0.010) J	
						Aramite	CCAL %D	29.7%	<25%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	74.0%	<25%	ND(0.020) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	31.6%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	55.7%	<25%	ND(0.050) J	
						Methyl Methanesulfonate	CCAL %D	53.6%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	92.7%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	32.6%	<25%	ND(0.010) J	
						Sulfotepp	CCAL %D	33.2%	<25%	ND(0.010) J	
5K0P189	82B-R	11/8/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	67.4%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	44.7%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	45.6%	<25%	ND(0.010) J	
						2,4-Dinitrophenol	CCAL %D	28.4%	<25%	ND(0.050) J	
						2-Acetylaminofluorene	CCAL %D	37.9%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.4%	<25%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	30.3%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	49.3%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	45.5%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	67.6%	<25%	ND(0.010) J	
						Aramite	CCAL %D	29.7%	<25%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	74.0%	<25%	ND(0.020) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	31.6%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	55.7%	<25%	ND(0.050) J	
						Methyl Methanesulfonate	CCAL %D	53.6%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	92.7%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	32.6%	<25%	ND(0.010) J	
						Thionazin	CCAL %D	33.2%	<25%	ND(0.010) J	
5K0P189	89B	11/9/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	71.0%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	55.9%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	48.4%	<25%	ND(0.010) J	
						2-Acetylaminofluorene	CCAL %D	36.9%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	30.8%	<25%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	58.8%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	36.6%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						5-Nitro-o-toluidine	CCAL %D	26.9%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	63.6%	<25%	ND(0.010) J	
						Aramite	CCAL %D	32.0%	<25%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	78.9%	<25%	ND(0.020) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	33.6%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
5K0P189	89B	11/9/2005	Water	Tier II	Yes	Isophorone	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	41.3%	<25%	ND(0.050) J	
						Methyl Methanesulfonate	CCAL %D	45.9%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	91.8%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	34.8%	<25%	ND(0.010) J	
						Sulfotepp	CCAL %D	34.2%	<25%	ND(0.010) J	
5K0P189	DUP #5	11/9/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	71.0%	<25%	ND(0.010) J	89B
						1,3-Dinitrobenzene	CCAL %D	55.9%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	48.4%	<25%	ND(0.010) J	
						2-Acetylaminofluorene	CCAL %D	36.9%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	30.8%	<25%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	58.8%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	36.6%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						5-Nitro-o-toluidine	CCAL %D	26.9%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	63.6%	<25%	ND(0.010) J	
						Aramite	CCAL %D	32.0%	<25%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	78.9%	<25%	ND(0.020) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	33.6%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isophorone	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	41.3%	<25%	ND(0.050) J	
						Methyl Methanesulfonate	CCAL %D	45.9%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	91.8%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	34.8%	<25%	ND(0.010) J	
						Sulfotepp	CCAL %D	34.2%	<25%	ND(0.010) J	
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	67.4%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	44.7%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	45.6%	<25%	ND(0.010) J	
						2,4-Dinitrophenol	CCAL %D	28.4%	<25%	ND(0.050) J	
						2-Acetylaminofluorene	CCAL %D	37.9%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.4%	<25%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	30.3%	<25%	ND(0.010) J	
						4-Aminobiphenyl	CCAL %D	49.3%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	45.5%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	67.6%	<25%	ND(0.010) J	
						Aramite	CCAL %D	29.7%	<25%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	74.0%	<25%	ND(0.020) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	31.6%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.8%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	55.7%	<25%	ND(0.050) J	
						Methyl Methanesulfonate	CCAL %D	53.6%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	92.7%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	32.6%	<25%	ND(0.010) J	
						Thionazin	CCAL %D	33.2%	<25%	ND(0.010) J	
5K0P246	54B-R	11/10/2005	Water	Tier II	Yes	1,2,4-Trichlorobenzene	LCS %R	26.6%	40% to 95%	ND(0.010) J	Used original analysis
						1,3,5-Trinitrobenzene	CCAL %D	66.4%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	51.3%	<25%	ND(0.010) J	
						1,4-Dichlorobenzene	LCS %R	22.1%	40% to 95%	ND(0.010) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
5K0P246	54B-R	11/10/2005	Water	Tier II	Yes	2,3,4,6-Tetrachlorophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2,4,5-Trichlorophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2,4,6-Trichlorophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2,4-Dichlorophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2,4-Dimethylphenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2,4-Dinitrophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2,6-Dichlorophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2-Chlorophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2-Methylphenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						2-Naphthylamine	CCAL %D	29.4%	<25%	ND(0.010) J	
						2-Nitrophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						3&4-Methylphenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						4,6-Dinitro-2-methylphenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						4-Aminobiphenyl	CCAL %D	43.1%	<25%	ND(0.010) J	
						4-Chloro-3-Methylphenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						4-Nitrophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						4-Nitroquinoline-1-oxide	CCAL %D	36.0%	<25%	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	54.5%	<25%	ND(0.010) J	
						Acenaphthene	LCS %R	41.4%	50% to 115%	ND(0.010) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	80.6%	<25%	ND(0.020) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Hexachlorocyclopentadiene	CCAL %D	39.4%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL %RSD	34.5%	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.2%	<25%	ND(0.020) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	33.5%	<25%	ND(0.050) J	
						Methyl Methanesulfonate	CCAL %D	56.4%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	92.5%	<25%	ND(0.010) J	
						Pentachlorophenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						Phenol	Surrogate Recovery Acid	1.6%, 1.4%	21% to 100%, 10% to 94%	R	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Safrole	CCAL %D	31.8%	<25%	ND(0.010) J	
						Sulfotepp	CCAL %D	36.1%	<25%	ND(0.010) J	
5L0P249	114B-R	12/8/2005	Water	Tier II	Yes	1,2,4,5-Tetrachlorobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	Used re-extraction
						1,2,4-Trichlorobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						1,2-Dichlorobenzene	Holdtimes (Extraction)	13 days	<7 days	0.015 J	
						1,2-Diphenylhydrazine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						1,3,5-Trinitrobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						1,3,5-Trinitrobenzene	CCAL %D	56.0%	<25%	ND(0.010) J	
						1,3-Dichlorobenzene	Holdtimes (Extraction)	13 days	<7 days	0.0030 J	
						1,3-Dinitrobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						1,4-Dichlorobenzene	Holdtimes (Extraction)	13 days	<7 days	0.019 J	
						1,4-Naphthoquinone	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	52.5%	<25%	ND(0.010) J	
						1-Naphthylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4,5-Trichlorophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4,6-Trichlorophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4-Dichlorophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4-Dimethylphenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4-Dinitrophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4-Dinitrotoluene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						2,6-Dichlorophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,6-Dinitrotoluene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						2-Acetylaminofluorene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						2-Acetylaminofluorene	CCAL %D	25.9%	<25%	ND(0.010) J	
						2-Chloronaphthalene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						2-Chlorophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2-Methylnaphthalene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						2-Methylphenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
5L0P249	114B-R	12/8/2005	Water	Tier II	Yes	2-Naphthylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						2-Nitroaniline	Holdtimes (Extraction)	13 days	<7 days	ND(0.050) J	
						2-Nitrophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2-Picoline	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						3&4-Methylphenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						3,3'-Dichlorobenzidine	Holdtimes (Extraction)	13 days	<7 days	ND(0.020) J	
						3,3'-Dimethylbenzidine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						3-Methylcholanthrene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						3-Nitroaniline	Holdtimes (Extraction)	13 days	<7 days	ND(0.050) J	
						4,6-Dinitro-2-methylphenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						4-Aminobiphenyl	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						4-Bromophenyl-phenylether	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						4-Chloro-3-Methylphenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						4-Chloroaniline	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						4-Chlorobenzilate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						4-Chlorophenyl-phenylether	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						4-Nitroaniline	Holdtimes (Extraction)	13 days	<7 days	ND(0.050) J	
						4-Nitrophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						4-Nitroquinoline-1-oxide	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.029	>0.05	ND(0.010) J	
						4-Phenylenediamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						5-Nitro-o-toluidine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						7,12-Dimethylbenz(a)anthracene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						a,a'-Dimethylphenethylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	62.7%	<25%	ND(0.010) J	
						Acenaphthene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Acenaphthylene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Acetophenone	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Aniline	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Anthracene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Aramite	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Benzidine	Holdtimes (Extraction)	13 days	<7 days	ND(0.020) J	
						Benzidine	ICAL Linear Regression	0.412	>0.99	ND(0.020) J	
						Benzidine	CCAL %D	83.3%	<25%	ND(0.020) J	
						Benzo(a)anthracene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Benzo(a)pyrene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Benzo(b)fluoranthene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Benzo(g,h,i)perylene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Benzo(k)fluoranthene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Benzyl Alcohol	Holdtimes (Extraction)	13 days	<7 days	ND(0.020) J	
						bis(2-Chloroethoxy)methane	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						bis(2-Chloroethyl)ether	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						bis(2-Ethylhexyl)phthalate	Holdtimes (Extraction)	13 days	<7 days	ND(0.0060) J	
						Butylbenzylphthalate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Chrysene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Diallate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Dibenzo(a,h)anthracene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Dibenzofuran	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Diethylphthalate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Dimethoate	CCAL %D	99.9%	<25%	ND(0.050) J	
						Dimethoate	CCAL RRF	0.019	>0.05	ND(0.050) J	
						Dimethylphthalate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Di-n-Butylphthalate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Di-n-Octylphthalate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Diphenylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Ethyl Methanesulfonate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Fluoranthene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Fluorene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Hexachlorobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Hexachlorocyclopentadiene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	33.1%	<25%	ND(0.010) J	
						Hexachloroethane	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
5L0P249	114B-R	12/8/2005	Water	Tier II	Yes	Hexachlorophene	Holdtimes (Extraction)	13 days	<7 days	ND(0.020) J	
						Hexachlorophene	ICAL %RSD	0.345	<30%	ND(0.020) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachloropropene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Hexachloropropene	CCAL %D	28.1%	<25%	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Isodrin	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Isophorone	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Isosafrole	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Isosafrole	CCAL %D	99.9%	<25%	ND(0.010) J	
						Kepone	CCAL %D	83.0%	<25%	ND(0.050) J	
						Methapyrilene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Methyl Methanesulfonate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	99.9%	<25%	ND(0.010) J	
						Naphthalene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Nitrobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitrosodiethylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitrosodimethylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitroso-di-n-butylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitroso-di-n-butylamine	CCAL %D	29.3%	<25%	ND(0.010) J	
						N-Nitroso-di-n-propylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitrosodiphenylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitrosomethylethylamine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitrosomorpholine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitrosopiperidine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						N-Nitrosopyrrolidine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						o,o,o-Triethylphosphorothioate	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						o-Toluidine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						o-Toluidine	CCAL %D	93.4%	<25%	ND(0.010) J	
						p-Dimethylaminoazobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Pentachlorobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Pentachloroethane	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Pentachloronitrobenzene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Pentachlorophenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						Phenacetin	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Phenanthrene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Phenol	Surrogate Recovery Acid	5.0%, 4.0%	21.0% to 100.0%, 10.0% to 94.0%	R	
						Pronamide	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Pyrene	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Pyridine	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Safrole	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
						Safrole	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Thionazin	Holdtimes (Extraction)	13 days	<7 days	ND(0.010) J	
Pesticides											
5J0P415	GMA3-3	10/19/2005	Water	Tier II	Yes	4,4'-DDD	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						4,4'-DDE	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						4,4'-DDT	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						Aldrin	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	
						Alpha-BHC	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	
						Alpha-Chlordane	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	
						Beta-BHC	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	
						Delta-BHC	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	
						Dieldrin	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						Endosulfan I	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						Endosulfan II	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						Endosulfan Sulfate	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						Endrin	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						Endrin Aldehyde	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						Endrin Ketone	Holdtimes (Extraction)	9 days	<7 days	ND(0.00010) J	
						Gamma-BHC (Lindane)	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	
						Gamma-Chlordane	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	
						Heptachlor	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	
						Heptachlor Epoxide	Holdtimes (Extraction)	9 days	<7 days	ND(0.000050) J	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Pesticides (continued)											
5J0P415	GMA3-3	10/19/2005	Water	Tier II	Yes	Kepone	Holdtimes (Extraction)	9 days	<7 days	ND(0.050) J	
						Methoxychlor	Holdtimes (Extraction)	9 days	<7 days	ND(0.00050) J	
						Technical Chlordane	Holdtimes (Extraction)	9 days	<7 days	ND(0.00050) J	
						Toxaphene	Holdtimes (Extraction)	9 days	<7 days	ND(0.0010) J	
5J0P443	6B-R	10/20/2005	Water	Tier II	No						
5J0P443	78B-R	10/20/2005	Water	Tier II	No						
5K0P125	90B	11/4/2005	Water	Tier II	Yes	4,4'-DDD	Surrogate Recovery	1.0%	40% to 130%	R	
						4,4'-DDE	Surrogate Recovery	1.0%	40% to 130%	R	
						4,4'-DDT	Surrogate Recovery	1.0%	40% to 130%	R	
						Aldrin	Surrogate Recovery	1.0%	40% to 130%	R	
						Alpha-BHC	Surrogate Recovery	1.0%	40% to 130%	R	
						Alpha-Chlordane	Surrogate Recovery	1.0%	40% to 130%	R	
						Beta-BHC	Surrogate Recovery	1.0%	40% to 130%	R	
						Delta-BHC	Surrogate Recovery	1.0%	40% to 130%	R	
						Dieldrin	Surrogate Recovery	1.0%	40% to 130%	R	
						Endosulfan I	Surrogate Recovery	1.0%	40% to 130%	R	
						Endosulfan II	Surrogate Recovery	1.0%	40% to 130%	R	
						Endosulfan Sulfate	Surrogate Recovery	1.0%	40% to 130%	R	
						Endrin	Surrogate Recovery	1.0%	40% to 130%	R	
						Endrin Aldehyde	Surrogate Recovery	1.0%	40% to 130%	R	
						Endrin Ketone	Surrogate Recovery	1.0%	40% to 130%	R	
						Gamma-BHC (Lindane)	Surrogate Recovery	1.0%	40% to 130%	R	
						Gamma-Chlordane	Surrogate Recovery	1.0%	40% to 130%	R	
						Heptachlor	Surrogate Recovery	1.0%	40% to 130%	R	
						Heptachlor Epoxide	Surrogate Recovery	1.0%	40% to 130%	R	
						Kepone	Surrogate Recovery	1.0%	40% to 130%	R	
						Methoxychlor	Surrogate Recovery	1.0%	40% to 130%	R	
						Technical Chlordane	Surrogate Recovery	1.0%	40% to 130%	R	
						Toxaphene	Surrogate Recovery	1.0%	40% to 130%	R	
5K0P125	95B-R	11/4/2005	Water	Tier II	No						
5K0P189	82B-R	11/8/2005	Water	Tier II	No						
5K0P189	89B	11/9/2005	Water	Tier II	No						
5K0P189	DUP #5	11/9/2005	Water	Tier II	No						89B
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	No						
5K0P246	54B-R	11/10/2005	Water	Tier II	No						
5L0P249	114B-R	12/8/2005	Water	Tier II	No						
Herbicides											
5J0P415	GMA3-3	10/19/2005	Water	Tier II	No						
5J0P443	6B-R	10/20/2005	Water	Tier II	No						
5J0P443	78B-R	10/20/2005	Water	Tier II	No						
5K0P125	90B	11/4/2005	Water	Tier II	No						
5K0P125	95B-R	11/4/2005	Water	Tier II	No						
5K0P189	82B-R	11/8/2005	Water	Tier II	No						
5K0P189	89B	11/9/2005	Water	Tier II	No						
5K0P189	DUP #5	11/9/2005	Water	Tier II	No						89B
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	No						
5K0P246	54B-R	11/10/2005	Water	Tier II	No						
5L0P249	114B-R	12/8/2005	Water	Tier II	No						
PCDDs/PCDFs											
5J0P415	GMA3-3	10/19/2005	Water	Tier II	Yes	2,3,7,8-TCDF	Method Blank	-	-	ND(0.0000000040)	
						OCDD	Method Blank	-	-	ND(0.000000011)	
						TCDFs (total)	Method Blank	-	-	ND(0.0000000064)	
5J0P415	GMA3-5	10/18/2005	Water	Tier II	Yes	2,3,7,8-TCDF	Method Blank	-	-	ND(0.0000000050)	
						OCDD	Method Blank	-	-	ND(0.000000015)	
						TCDFs (total)	Method Blank	-	-	ND(0.0000000050)	
5J0P415	GMA3-7	10/19/2005	Water	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.000000016)	
5J0P443	6B-R	10/20/2005	Water	Tier II	Yes	2,3,7,8-TCDF	Method Blank	-	-	ND(0.0000000041)	
						OCDD	Method Blank	-	-	ND(0.00000011)	
						TCDFs (total)	Method Blank	-	-	ND(0.0000000041)	
5J0P443	78B-R	10/20/2005	Water	Tier II	Yes	2,3,7,8-TCDF	Method Blank	-	-	ND(0.0000000058)	
						OCDD	Method Blank	-	-	ND(0.000000034)	

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCDDs/PCDFs (continued)											
5J0P443	GMA3-6	10/21/2005	Water	Tier II	Yes	2,3,7,8-TCDF	Method Blank	-	-	ND(0.0000000039)	
						OCDD	Method Blank	-	-	ND(0.000000020)	
						TCDFs (total)	Method Blank	-	-	ND(0.0000000039)	
5K0P101	111-BR	11/3/2005	Water	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.000000016)	
5K0P125	90B	11/4/2005	Water	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Method Blank	-	-	ND(0.0000000066)	
						1,2,3,4,7,8,9-HpCDF	Method Blank	-	-	ND(0.0000000051)	
						1,2,3,6,7,8-HxCDD	Method Blank	-	-	ND(0.0000000056)	
						1,2,3,6,7,8-HxCDF	Method Blank	-	-	ND(0.0000000062)	
						1,2,3,7,8,9-HxCDD	Method Blank	-	-	ND(0.0000000064)	
5K0P125	90B	11/4/2005	Water	Tier II	Yes	1,2,3,7,8-PeCDD	Method Blank	-	-	ND(0.0000000074)	
						1,2,3,7,8-PeCDF	Method Blank	-	-	ND(0.0000000088)	
						2,3,4,7,8-PeCDF	Method Blank	-	-	ND(0.0000000052)	
						2,3,7,8-TCDF	Method Blank	-	-	ND(0.0000000031)	
						HpCDDs (total)	Method Blank	-	-	ND(0.0000000066)	
						HpCDFs (total)	Method Blank	-	-	ND(0.000000011)	
						HxCDDs (total)	Method Blank	-	-	ND(0.000000018)	
						HxCDFs (total)	Method Blank	-	-	ND(0.000000012)	
						OCDD	Method Blank	-	-	ND(0.000000022)	
						OCDF	Method Blank	-	-	ND(0.000000010)	
						PeCDDs (total)	Method Blank	-	-	ND(0.0000000074)	
						PeCDFs (total)	Method Blank	-	-	ND(0.000000014)	
						TCDFs (total)	Method Blank	-	-	ND(0.0000000031)	
5K0P125	95B-R	11/4/2005	Water	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.000000013)	
5K0P189	82B-R	11/8/2005	Water	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Method Blank	-	-	ND(0.0000000054)	
						HpCDDs (total)	Method Blank	-	-	ND(0.0000000054)	
						OCDD	Method Blank	-	-	ND(0.000000018)	
5K0P189	89B	11/9/2005	Water	Tier II	No						Used re-extraction
5K0P189	DUP #5	11/9/2005	Water	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Method Blank	-	-	ND(0.0000000062)	89B
						1,2,3,4,7,8,9-HpCDF	Method Blank	-	-	ND(0.0000000053)	
						1,2,3,7,8-PeCDD	Method Blank	-	-	ND(0.0000000052)	
						1,2,3,7,8-PeCDF	Method Blank	-	-	ND(0.0000000069)	
						2,3,4,7,8-PeCDF	Method Blank	-	-	ND(0.0000000056)	
						2,3,7,8-TCDF	Method Blank	-	-	ND(0.0000000027)	
						HpCDDs (total)	Method Blank	-	-	ND(0.000000011)	
						HpCDFs (total)	Method Blank	-	-	ND(0.0000000053)	
						OCDD	Method Blank	-	-	ND(0.000000018)	
						PeCDDs (total)	Method Blank	-	-	ND(0.0000000052)	
						PeCDFs (total)	Method Blank	-	-	ND(0.000000012)	
						TCDFs (total)	Method Blank	-	-	ND(0.0000000027)	
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	No						
5K0P246	54B-R	11/10/2005	Water	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Method Blank	-	-	ND(0.0000000065)	
						HpCDDs (total)	Method Blank	-	-	ND(0.0000000065)	
						OCDD	Method Blank	-	-	ND(0.000000046)	
						PeCDFs (total)	Method Blank	-	-	ND(0.000000011)	
5L0P249	114B-R	12/8/2005	Water	Tier II	Yes	OCDD	Method Blank	-	-	ND(0.00000013)	
Cyanides/Sulfides											
5K0P101	111-BR	11/3/2005	Water	Tier II	No						
5K0P101	111-BR (Filtered)	11/3/2005	Water	Tier II	No						
5L0P249	114B-R	12/8/2005	Water	Tier II	No						
5L0P249	114B-R (Filtered)	12/8/2005	Water	Tier II	No						
5K0P246	54B-R	11/10/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5K0P246	54B-R (Filtered)	11/10/2005	Water	Tier II	No						
5J0P443	6B-R	10/20/2005	Water	Tier II	No						
5J0P443	6B-R (Filtered)	10/20/2005	Water	Tier II	No						
5J0P443	78B-R	10/20/2005	Water	Tier II	No						
5J0P443	78B-R (Filtered)	10/20/2005	Water	Tier II	No						
5K0P125	90B	11/4/2005	Water	Tier II	No						
5K0P125	90B (Filtered)	11/4/2005	Water	Tier II	No						
5K0P125	95B-R	11/4/2005	Water	Tier II	No						
5K0P125	95B-R (Filtered)	11/4/2005	Water	Tier II	No						
5J0P415	GMA3-3	10/19/2005	Water	Tier II	No						
5J0P415	GMA3-3 (Filtered)	10/19/2005	Water	Tier II	No						

TABLE E - 1
FALL 2005 ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Cyanides/Sulfides (continued)											
5J0P415	GMA3-5	10/18/2005	Water	Tier II	No						
5J0P415	GMA3-5 (Filtered)	10/18/2005	Water	Tier II	No						
5J0P443	GMA3-6	10/21/2005	Water	Tier II	No						
5J0P443	GMA3-6 (Filtered)	10/21/2005	Water	Tier II	No						
5J0P415	GMA3-7	10/19/2005	Water	Tier II	No						
5J0P415	GMA3-7 (Filtered)	10/19/2005	Water	Tier II	No						
5K0P189	GMA3-RB-1	11/8/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5K0P189	GMA3-RB-1 (Filtered)	11/8/2005	Water	Tier II	No						
5K0P189	82B-R	11/8/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5K0P189	82B-R (Filtered)	11/8/2005	Water	Tier II	No						
5K0P189	89B	11/9/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	
5K0P189	89B (Filtered)	11/9/2005	Water	Tier II	No						
5K0P189	DUP #5	11/9/2005	Water	Tier II	Yes	Sulfide	Method Blank	-	-	ND(5.0)	89B
5K0P189	DUP #5 (Filtered)	11/9/2005	Water	Tier II	No						89B