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Transmitted Via Overnight Courier

January 30, 2008

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

Re: **GE-Pittsfield/Housatonic River Site**
Groundwater Management Area 1 (GECD310)
Groundwater Quality Monitoring Interim Report for Fall 2007

Dear Mr. Fisher:

In accordance with GE's approved *Baseline Monitoring Program Proposal for Plant Site 1 Groundwater Management Area* (September 2000) and *Plant Site 1 Groundwater Management Area Supplemental Groundwater Quality Monitoring Report for Spring 2007* (July 2007), enclosed is the *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2007*. This report summarizes activities performed as part of the Plant Site 1 Groundwater Management Area (GMA 1) groundwater quality monitoring program during fall 2007, including the results of the latest groundwater sampling and analysis round at GMA 1.

Please call Andrew Silfer or me if you have any questions regarding this report.

Sincerely,

Richard W. Gates
Remediation Project Manager

Enclosure
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Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2007

January 2008

ARCADIS

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2007

(Fall 2007 GMA 1 Groundwater Quality Report)

General Electric Company
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January 2008

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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 soil, 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 RAAs at and near the GE Pittsfield facility have been divided into five separate 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 1 Groundwater Management Area, also known as and referred to herein as GMA 1.

In September 2000, GE submitted a *Baseline Monitoring Program Proposal for Plant Site 1 Groundwater Management Area* (GMA 1 Baseline Monitoring Proposal). The GMA 1 Baseline Monitoring Proposal summarized the hydrogeologic information available at that time for GMA 1 and proposed groundwater and NAPL monitoring activities (incorporating as appropriate those activities that were in place at that time) for the baseline monitoring period at this GMA. EPA provided conditional approval of the GMA 1 Baseline Monitoring Proposal by letter of March 20, 2001. Thereafter, certain modifications were made to the GMA 1 baseline monitoring program as a result of EPA approval conditions and/or findings during field reconnaissance of the selected monitoring locations and, subsequently, during implementation of the baseline monitoring program.

The baseline monitoring program, which was initiated in fall 2001, consisted of four semi-annual groundwater quality sampling events followed by preparation and submittal of reports summarizing the groundwater monitoring results and, as appropriate, proposal of modifications to the monitoring program. The fourth baseline monitoring report for GMA 1, entitled *Plant Site 1 Groundwater Management Area Baseline Groundwater Quality Interim Report for Spring 2003* (Spring 2003 GMA 1 Groundwater Quality Report), was submitted to EPA on July 30, 2003. 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 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 approved GMA 1 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. Therefore, the Spring 2003 GMA 1 Groundwater Quality Report contained a proposal to modify and extend baseline groundwater quality monitoring activities at GMA 1 (under a program referred to as the interim monitoring program) until such time as the soil-related Removal Actions at the GMA 1 RAAs are completed and the specific components of a long-term groundwater quality monitoring program are determined. EPA conditionally approved the Spring 2003 GMA 1 Groundwater Quality Report by letter dated September 23, 2003. Under the approved interim monitoring program, annual water quality sampling (alternating between the spring and fall seasons) at selected GMA 1 wells began in spring 2004, following a limited sampling event in fall 2003 involving the collection of groundwater samples from six wells that did not yet have four complete rounds of sampling as part of the baseline monitoring program. The monitoring wells included in the interim monitoring program are shown on Figure 2.

As part of the interim groundwater quality monitoring program, GE is required to submit reports after each groundwater sampling event to summarize the groundwater monitoring results and related activities and, as appropriate, propose modifications to the monitoring program. The results of the most recent full round of interim groundwater sampling activities performed at this GMA in spring 2006 were provided in GE's July 2006 *Plant Site 1 Groundwater Management Area Groundwater Quality Interim Report for Spring 2006* (Spring 2006 GMA 1 Groundwater Quality Report), which was conditionally approved by EPA in a letter dated September 27, 2006. Following the spring 2006 sampling event, GE performed supplemental sampling activities in fall 2006 and spring 2007 at two monitoring wells where elevated concentrations of PCBs were detected in spring 2006. The results of those rounds of supplemental groundwater sampling activities were provided in GE's January 2007 *Plant Site 1 Groundwater Management Area Supplemental Groundwater Quality Monitoring Report for Fall 2006* (Fall 2006 GMA 1 Supplemental Groundwater Quality Report), and July 2007 *Plant Site 1 Groundwater Management Area Supplemental Groundwater Quality Monitoring Report for Spring 2007* (Spring 2007 GMA 1 Supplemental Groundwater Quality Report), which were conditionally approved by EPA in letters dated March 29, 2007 and October 10, 2007, respectively. GE performed the next round of scheduled interim sampling activities at GMA 1 (as modified by proposals contained in the 2006 and 2007 groundwater quality monitoring reports or in accordance with EPA approval conditions) in fall 2007.

The results of the interim groundwater sampling activities conducted in fall 2007 are provided in this *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2007* (Fall 2007 GMA 1 Groundwater Quality Report). As requested by EPA in it's March 29, 2007 letter, this report also contains groundwater elevation data collected at GMA 1 during the fall semi-annual monitoring event performed in October/November 2007 (both in data tables and plotted in groundwater elevation contour maps). GE will continue to present detailed discussions of GE's groundwater flow monitoring, including information on groundwater elevations, flow direction, and seasonal trends, as well as assessments of the presence and extent of NAPL at GMA 1 (including summaries of GE's NAPL recovery efforts), in the separate semi-annual reports submitted under GE's NAPL monitoring program. The most recent GMA 1 NAPL monitoring report (covering the spring 2007 monitoring period) was submitted to EPA in August 2007, and the NAPL monitoring report for the fall 2007 monitoring period will be submitted to EPA in February 2008.

In addition, in accordance with Condition 2 of EPA's conditional approval letter dated October 10, 2007, GE initiated semi-annual sampling and analysis of groundwater samples from two monitoring wells at Newell Street Area II (wells GMA1-25 and GMA1-27). The results of the first round of that sampling have been incorporated into this report. Following completion of four sampling rounds, the analytical data will be evaluated to determine whether long-term sampling and analysis is appropriate at those monitoring wells.

1.2 Background Information

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

- RAA 1 - 40s Complex;
- RAA 2 - 30s Complex;
- RAA 3 - 20s Complex;
- RAA 4 - East Street Area 2-South;
- RAA 5 - East Street Area 2-North;

- RAA 6 - East Street Area 1-North;
- RAA 12 - Lyman Street Area;
- RAA 13 - Newell Street Area II;
- RAA 14 - Newell Street Area I;
- RAA 17 - Silver Lake Area; and
- RAA 18 - East Street Area 1-South.

GMA 1 contains a combination of GE-owned and non-GE-owned industrial areas, residential properties, and recreational areas, including land formerly owned by GE that has been, or will be, transferred to the Pittsfield Economic Development Authority (PEDA) pursuant to the Definitive Economic Development Agreement (DEDA). The Housatonic River flows through the southern portion of this GMA, while Silver Lake is located along the western boundary. Certain portions of this GMA originally consisted of land associated with oxbows or low-lying areas of the Housatonic River. Re-channelization and straightening of the Housatonic River in the early 1940s by the City of Pittsfield and the United States Army Corps of Engineers (USACE) separated several of these oxbows and low-lying areas from the active course of the river. These oxbows and low-lying areas were subsequently filled with various materials from a variety of sources, resulting in the current surface elevations and topography.

Groundwater flow patterns at GMA 1 generally reflect the topography of the site with flow toward the Housatonic River, except where influenced by features such as Silver Lake, the recharge pond, or by recovery systems which are pumped to induce hydraulic depressions in their vicinity. Although variations occur in groundwater elevations at various wells or portions of GMA 1, overall groundwater flow patterns have remained relatively stable for years. As shown on Figure 3, Groundwater flow conditions observed during fall 2007 display the typical patterns observed at GMA 1.

As discussed in Section 1.1 above, the CD and the SOW provide for the performance of groundwater-related Removal Actions at the 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. As set forth in the GMA 1 Baseline Monitoring Proposal and

Addendum, the baseline monitoring program at this GMA initially involved a total of 65 monitoring wells. Subsequent modifications to the program resulted in the addition of one well (LSSC-08I) and replacement of five wells with substitute monitoring wells (ESA2S-52 for ES2-17, MW-3R for MW-3, GMA1-13 for 95-9, ESA1S-33 for ES1-8, and ES1-23R for ES1-23). All of these wells were monitored for groundwater elevations on a quarterly basis and sampled on a semi-annual basis for analysis of PCBs and/or certain other 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). The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well.

After the fourth baseline sampling event at most of the wells in GMA 1 in spring 2003, EPA approved the implementation of the interim monitoring program until the completion of the soil-related Removal Actions at the GMA 1 RAAs, at which time GE will propose a long-term monitoring program. In the Spring 2003 GMA 1 Groundwater Quality Report, GE described its proposed interim groundwater quality monitoring program. Certain specific monitoring tasks were to be performed in fall 2003, and GE submitted its Fall 2003 GMA 1 Groundwater Quality Report providing the results of those tasks. Beginning in spring 2004, as approved by EPA, the interim groundwater quality monitoring program was to consist of annual sampling (alternating between the spring and fall seasons) and analysis for select constituents at 22 GMA 1 wells. Locations selected for interim groundwater quality monitoring were wells downgradient of known NAPL areas/recovery systems where no additional hydraulic controls are in place, and/or those wells where analytical results from the baseline monitoring rounds did not clearly indicate whether long-term monitoring would be necessary.

Since the spring 2004 groundwater sampling event, GE has presented the results of each sampling event in interim and supplemental groundwater quality monitoring reports and, based on those results, has proposed and, following EPA approval, implemented modifications to the interim program. Prior to the sampling conducted in fall 2007, the most recent interim groundwater sampling event took place in spring 2006. In addition, GE conducted supplemental sampling in fall 2006 and spring 2007 to further assess the concentrations of PCBs observed at wells LSSC-08S and LSSC-18 during the spring 2006 sampling event. The results of that additional sampling were presented in supplemental groundwater quality monitoring reports submitted after each supplemental sampling event. The current interim groundwater quality monitoring event was conducted in October 2007. Two monitoring wells could not be located at the time of that sampling round, but those wells were found and sampled in early December 2007. The results of the fall 2007 interim sampling are discussed herein.

A separate non-GE-related disposal site, as designated under the MCP, is located on an adjacent property near the northern edge of the Lyman Street Area. This disposal site is the O'Connell Mobil Station site (MDEP Site No. 1-13347) (also referred to as the "East Street Mobil Site") at 730 East Street. GE understands this site is currently being addressed by O'Connell Oil Associates, Inc. to satisfy the requirements of Massachusetts General Laws Chapter 21E and the MCP. Available documentation indicates that soluble-phase contaminants related to gasoline releases from the East Street Mobil Site may have migrated onto GMA 1. GE is required to include available monitoring results from response actions performed at this adjacent site in the groundwater monitoring reports for GMA 1, to the extent that information is available to GE. To fulfill this requirement, GE conducted a file search at MDEP in January 2008 to review any reports that have been submitted regarding this site since submittal of the Spring 2006 GMA 1 Groundwater Quality Report. The results of that file search, including a listing of the reports that were reviewed, is provided in Section 3.3.

1.3 Format to Document

The remainder of this report is presented in four sections. Section 2 describes the groundwater quality-related activities performed at GMA 1 in fall 2007. Section 3 presents the analytical results obtained during the fall 2007 sampling event performed in October and December 2007. Section 4 provides a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW, and provides an assessment of the results of the fall 2007 activities, including a comparison to those Performance Standards. Finally, Section 5 presents the schedule for future field and reporting activities related to groundwater quality at GMA 1.

2. Field and Analytical Procedures

2.1 General

The activities conducted as part of the interim groundwater monitoring program during fall 2007, and summarized herein, primarily involved the measurement of groundwater levels and the collection and analysis of groundwater samples at select monitoring wells within GMA 1, as described in Table 1. The construction details of the wells that were sampled are provided in Table 2 and the fall 2007 field sampling data are presented in Appendix A. This section discusses the field procedures used to measure site groundwater levels and collect groundwater samples, as well as the methods used to analyze the groundwater samples. All activities were performed in general accordance with GE's approved Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP).

2.2 Groundwater Elevation Monitoring

The fall 2007 semi-annual groundwater elevation monitoring round was performed between October 29 and November 2, 2007. This activity involved the collection of groundwater elevation data at the locations listed in Table 3. Groundwater levels and NAPL thicknesses (where NAPL is present) were measured in accordance with the procedures specified in GE's approved FSP/QAPP. Groundwater elevations were, on average, approximately 1.07 feet lower than the elevations measured during the previous fall 2006 monitoring event. The groundwater elevation data presented in Table 3 from wells screened across or near the water table were used to prepare a groundwater elevation contour map for fall 2007 (Figure 3). Consistent with prior data, groundwater was found to generally flow toward the Housatonic River.

2.3 Groundwater Sampling and Analysis

The fall 2007 groundwater sampling event was performed between October 12 and 25, 2007, with the exception of two monitoring wells (3-6C-EB-14 and N2SC-7S) which could not be located at that time. Those wells were found and sampled on December 4, 2007. Groundwater samples were collected from all 23 groundwater monitoring wells scheduled for interim sampling, including two wells (GMA1-25 and GMA1-27) added to the program for semi-annual sampling and analysis for VOCs, SVOCs, and PCBs. The groundwater samples were collected by the low-flow techniques specified in the FSP/QAPP. Low-flow sampling techniques using either a bladder or peristaltic pump were utilized for the purging and collection of groundwater samples during this sampling event. The sampling methods utilized at each well are specified in Appendix A. Each monitoring well was purged utilizing low-flow techniques until field parameters (including temperature, pH, specific conductivity,

oxidation-reduction potential, dissolved oxygen, and turbidity) stabilized prior to sample collection. Field parameters were measured in combination with the sampling activities at the monitoring wells. The stabilized field parameter measurements are presented below and the field sampling data are provided in Appendix A.

Parameter	Units	Range of Stabilized Readings
Turbidity	Nephelometric turbidity units (NTU)	0.0 – 33.0
pH	pH units	5.94 – 11.72
Specific Conductivity	Millisiemens per centimeter	0.359 – 2.321
Oxidation-Reduction Potential	Millivolts	-113.5 – 132.6
Dissolved Oxygen	Milligrams per liter	0.50 – 13.50
Temperature	Degrees Celsius	7.73 – 20.01

As shown above and in Table 4 for this sampling event, none of the groundwater samples extracted from the monitoring wells had turbidity levels greater than the target level of 50 NTU upon stabilization. These results indicate that the sampling and measurement procedures utilized during this sampling event were effective in obtaining representative groundwater samples with low turbidity. Elevated temperature and pH readings were observed at certain locations during the fall 2007 sampling event, compared to prior data. As noted in the sampling records, the elevated temperature data is likely attributed to warming of groundwater in the sampling tubing and/or flow-through cell during low-flow purging on warmer days during the sampling event. Although instrument calibrations were checked following such readings, GE suspects that the elevated pH data are anomalous and result from instrument malfunction, rather than a change in pH from prior rounds at the locations in question. GE will review the pH data to be collected during the upcoming spring 2008 sampling event to further assess these apparent anomalies.

The collected groundwater samples were submitted to SGS Environmental Services, Inc. of Wilmington, North Carolina (SGS) for laboratory analysis. For the groundwater samples that were monitored for compliance with the GW-3 standards, the samples were submitted for analysis of one or more of the following constituents using the associated EPA methods:

Constituent	EPA Method
VOCs	8260B
SVOCs	8270C
PCBs (Filtered Samples)	8082
Metals (Filtered Samples)	6010B, 7000A, and 7470A
Physiologically Available Cyanide (Filtered Samples)	9014/MDEP PAC Protocol

For the groundwater samples collected from wells that were 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 compounds listed as SVOCs in the FSP/QAPP (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene). The VOCs and five SVOCs were analyzed using EPA Method 8260B in accordance with a letter from GE to EPA dated September 28, 2001. The groundwater sample from GW-3 perimeter well 3-6C-EB-14 submitted for VOC analysis was inadvertently also analyzed by the laboratory for those five SVOCs by the laboratory and the results are included in this report even though that well is not designated as a GW-2 monitoring point.

Following receipt of the analytical data from the laboratory, the preliminary results were reviewed for completeness and compared to the Massachusetts Contingency Plan (MCP) Method 1 GW-2 (where applicable) and GW-3 standards, and to the MCP Upper Concentration Limits (UCLs) for groundwater. The preliminary analytical results were presented in the next monthly report on overall activities at the GE-Pittsfield/Housatonic River Site.

The data were validated in accordance with the FSP/QAPP and the validated results were utilized in the preparation of this report. As discussed in the validation report provided as Appendix D, 99.9% of the fall 2007 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 SVOC, PCB, and inorganic sample results were found to be 100% usable. VOC sample results were found to be 99.8% usable. The only rejected data were two VOC sample results where the 2-chloroethylvinylether data were rejected due to MS/MSD recovery deviations. The validated analytical results are summarized in Section 3 and discussed in Section 4 below.

3. Fall 2007 Groundwater Analytical Results

3.1 General

A description of the fall 2007 groundwater analytical results is presented in this section. The complete analytical data sets are summarized in Appendix B. Tables 5 and 6 provide a comparison of the concentrations of all detected constituents with the currently applicable groundwater quality Performance Standards established in the CD and SOW, while Table 7 presents a comparison of the concentrations of detected constituents with the UCLs for groundwater. An assessment of these results relative to those groundwater quality Performance Standards and the UCLs is provided in Section 4.

3.2 Groundwater Sample Results

The following paragraphs provide an overview of the fall 2007 analytical results from the GMA 1 groundwater quality monitoring wells for each constituent group that was analyzed.

3.2.1 VOC Results

Nine groundwater samples were analyzed for VOCs during the fall 2007 sampling event. The VOC analytical results are summarized in Table B-1 of Appendix B. No VOCs were detected in one of the groundwater samples (well GMA1-27), while 16 individual VOCs were observed in the remaining samples. Acetone, a common laboratory contaminant, was the only VOC detected in two of the samples (wells 72R and GMA1-25). Where VOCs were detected, total VOC concentrations ranged from an estimated concentration of 0.0018 ppm (at well 72R) to an estimated concentration of 2.8 ppm (at well ESA2S-64). The most frequently detected VOC was chlorobenzene (detected at four monitoring locations), while acetone, benzene, and total xylenes were each detected in three groundwater samples. All detected VOC constituents were well below the applicable Method 1 GW-2 and GW-3 standards, with the exception of the chlorobenzene concentration detected at well ES2-2A (2.1 ppm) which was greater than the GW-3 standard of 1 ppm for this constituent.

3.2.2 SVOC Results

Groundwater samples collected from two monitoring wells (wells GMA1-25 and GMA1-27) were analyzed for SVOCs during the fall 2007 sampling event. A trace level of one SVOC, bis(2-ethylhexyl) phthalate (a common laboratory contaminant), was detected in the groundwater sample from well GMA1-25, but not in a duplicate sample analyzed from that well. No SVOCs were detected in well GMA1-27.

In addition, samples from four other wells were analyzed for five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene), as discussed in Section 2.3. No SVOCs were detected in two of these wells (72R and LSSC-16), while one SVOC (1,4-dichlorobenzene) was detected in well GMA1-6. Three SVOCs were detected in the sample from well 3-6C-EB-14 (at levels below GW-3 standards), where the VOC samples were also inadvertently analyzed for the select SVOC list.

None of the SVOCs detected were at levels exceeding the applicable Method 1 GW-2 and GW-3 standards. The SVOC analytical results are summarized in Table B-1 of Appendix B.

3.2.3 PCB Results

Filtered groundwater samples from eighteen monitoring wells were analyzed for PCBs as part of the fall 2007 sampling event. The PCB analytical results are summarized in Table B-1 of Appendix B. PCBs (Aroclors 1254 and /or 1260) were detected in three of the wells analyzed for PCBs (wells E2SC-23, LS-29, and N2SC-7S), while no PCBs were detected in the remaining 15 wells. Where detected, total PCB concentrations in the filtered samples ranged from an estimated concentration of 0.00015 ppm (at well LS-29) to 0.00134 ppm (at well E2SC-23). As discussed in Section 4.3.2 below, two of the groundwater samples contained PCBs at concentrations above the applicable MCP Method 1 GW-3 standard of 0.0003 ppm during fall 2007.

3.2.4 Inorganic Constituent Results

Filtered groundwater samples were obtained from one monitoring well (72R) and submitted for analysis of inorganic constituents (metals and physiologically available cyanide) during the fall 2007 sampling event. The analytical results for these analyses are summarized in Table B-1 of Appendix B.

Seven inorganic constituents which were detected in the fall 2007 samples from well 72R: arsenic, barium, beryllium, chromium, copper, lead, and zinc. Physiologically available cyanide was not detected in the sample. All detected inorganic constituent concentrations were below the applicable MCP Method 1 GW-3 standards.

3.3 Adjacent MCP Disposal Site Monitoring Results

As mentioned above in Section 1.2, the O'Connell East Street Mobil Station site (MDEP Site No. 1-13347, also referred to as the "East Street Mobil Site") is located on adjacent property near the northern edge of the Lyman Street Area. GE understands that this site is

currently being addressed by O'Connell Oil Associates, Inc. to satisfy the requirements of Massachusetts General Laws Chapter 21-E and the MCP. Available documentation indicates that soluble-phase contaminants related to gasoline releases from the East Street Mobil Site have been documented upgradient of GMA 1.

GE is required to include available monitoring results from response actions performed at this adjacent site in the groundwater monitoring reports for GMA 1, to the extent that information is available to GE. To fulfill this requirement, GE conducted a file search at MDEP on January 9, 2008 to review any reports that have been placed on file at MDEP regarding this site since the prior file search was conducted and reported in the Spring 2006 GMA 1 Groundwater Quality Report. Seven documents pertaining to groundwater investigations and response actions at the East Street Mobil Site have been added to the MDEP files since the submission of that report. Those documents include:

- Tier II Permit Extension Request Status of Response Action, Environmental Compliant Services, Inc. (ECS), February 17, 2006;
- Phase III – Remedy Action Plan Addendum 7, ECS, August, 2006;
- Phase IV – Remedy Implementation Plan, ECS, August 2006;
- Final Inspection Report and Phase IV Completion Statement, ECS, September 28, 2006;
- Remedy Operation Status, ECS, March 7, 2007;
- Remedy Operation Status Inspection and Monitoring Report, October 2006 – March 2007, ECS, April 2, 2007; and
- Remedy Operation Status Inspection and Monitoring Report March – August 2007, ECS, October 4, 2007.

A site map and pertinent monitoring results from the most recent report reviewed for the East Street Mobil Site (i.e., the October 4, 2007 Remedy Operation Status Inspection and Monitoring Report) are provided in Appendix E. That report describes the effectiveness of the oxygen sparging system activated at the site on September 11, 2006, and the most recent groundwater sampling results. The oxygen sparging monitoring data are provided in Appendix E and indicated an increase in dissolved oxygen in wells downgradient of the source area.

The most recent groundwater sampling at the East Street Mobil Site was performed on April 24, 2007. The concentrations of C5-C8 Aliphatic VPH detected in groundwater from well ECS-2 exceeded the applicable MCP GW-2 Standard. The concentrations of xylenes detected in groundwater from wells ECS-2 and ECS-3 exceeded the GW-3 standard. The concentrations of C5-C8 and C9-C12 Aliphatics VPH detected in groundwater from wells ECS-12 also exceeded the MCP GW-2 Standard; however, this well is not located in a GW-2 area. Concentrations of the aliphatics are consistent with previous sampling rounds, as shown in the historical data included in Appendix E.

Wells ECS-2 and ECS-3 are upgradient from the Lyman Street Area portion of GMA 1. They are also upgradient of East Street Mobil Site well ECS-13. No xylenes or VPH constituents were detected in well ECS-13 during the most recent sampling round. GMA 1 monitoring wells MW-4R and LSSC-16S are GW-2 monitoring points located downgradient from the East Street Mobil Site. These wells were sampled during the fall 2007 sampling round (see Appendix B). Total VOC concentrations were estimated at 0.0096 ppm in well LSSC-16S, and 0.011 ppm in well MW-4R. Total BTEX (benzene, toluene, ethylbenzene, and xylene) concentrations in wells ECS-2 and ECS-3 were 2.706 ppm and 0.709 ppm in spring 2007, respectively. None of these constituents was detected in well MW-4R during the fall 2007 sampling event. Benzene, toluene and xylene were detected in well LSSC-16S at concentrations of 0.0065 ppm, 0.00018 ppm (estimated), and 0.00065 ppm (estimated), respectively, resulting in a total BTEX concentration of 0.00733 ppm. The concentrations of these constituents are well below the MCP GW-2 Standards of 2 ppm for benzene, 8 pm for toluene, and 9 ppm for xylene.

Based on these results, it appears that the groundwater quality exceedances attributed to the East Street Mobil Site may be confined to that site, which has a long-term remediation system in operation. As such, no additional actions beyond a continuation of the ongoing groundwater quality program at GMA 1 appear to be warranted to assess potential impacts to GMA 1 related to the East Street Mobil Site. GE will continue to review and assess the results from the East Street Mobil Site and downgradient areas within GMA 1 and will provide updates in future groundwater quality monitoring reports.

4. Overall Assessment of Groundwater Analytical Results

4.1 General

This report constitutes the eighth interim/supplemental groundwater quality monitoring report for GMA 1, and is the twelfth groundwater quality monitoring report submitted since commencement of the baseline groundwater quality monitoring program at GMA 1. The information presented herein is based on the laboratory results obtained during the fall 2007 groundwater sampling event, supplemented with historical groundwater analytical data when applicable.

4.2 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 1 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 1 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 to groundwater 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 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. It should be noted that some groundwater within GMA 1 does not in fact discharge directly to surface water because of the operation of numerous groundwater pumping systems. Water extracted from these systems is transferred to an on-site treatment plant for processing prior to discharge. Nevertheless, in accordance with the CD and SOW, all groundwater at GMA 1 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 1. The current MCP Method 1 GW-2 and GW-3 standards for the constituents detected in the fall 2007 sampling event are listed in Tables 5 and 6, respectively. (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.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 1 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);

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. These wells were initially identified in the GMA 1 Baseline Monitoring Proposal (although certain modifications were made subsequent to submittal of that proposal as a result of EPA approval conditions, findings during field reconnaissance of the selected wells, or replacement of certain wells during the course of the baseline monitoring program). As described above in Section 2.3, only selected wells were sampled in fall 2007.

4.3 Groundwater Quality – Fall 2007

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the fall 2007 groundwater sampling event were compared to the applicable groundwater Performance Standards for GMA 1. These Performance Standards are described in Section 4.2 above, and are currently based (on a well-specific basis) on the MCP Method 1 GW-2 and/or GW-3 standards. The following subsections discuss the fall 2007 groundwater analytical results in relation to these Performance Standards, as well as in relation to the MCP UCLs for groundwater. In support of those discussions, Tables 5 and 6 provide a comparison of the concentrations of detected constituents with the currently

applicable GW-2 and GW-3 standards, respectively, while Table 7 presents a comparison of the concentrations of detected constituents with the groundwater UCLs.

4.3.1 Fall 2007 Groundwater Results Relative to GW-2 Performance Standards

As part of the fall 2007 program, groundwater samples were collected from five wells designated as GW-2 monitoring locations that were scheduled to be sampled for the GW-2 VOC list (i.e., specifically wells 72R, GMA1-6, LSSC-16S, GMA1-25, and GMA1-27). Although wells ESA1N-52, 139R, and GMA1-18 are also designated as GW-2/GW-3 monitoring locations, these wells are only scheduled for sampling and analysis for PCBs (which does not currently have an associated GW-2 standard) under this interim monitoring program. Therefore, comparisons to the MCP Method 1 GW-2 standards were not performed for these wells.

The fall 2007 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 5. As shown in Table 5, none of the fall 2007 sample concentrations from the GW-2 monitoring wells sampled for VOCs (including wells GMA1-25 and GMA1-27 required to be sampled pursuant to EPA's October 10, 2007 conditional approval letter) was above the corresponding GW-2 Performance Standard. In addition, none of the GW-2 wells sampled for VOCs exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells located within 30 feet of a school or occupied residential structure and as a trigger level for the proposal of interim response actions). These results are consistent with the available results from prior sampling events.

4.3.2 Fall 2007 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from each of the 23 wells designated for GW-3 monitoring that were scheduled to be sampled during the fall 2007 interim sampling event. The fall 2007 groundwater analytical results for all constituents detected in GW-3 monitoring wells and a comparison of those results with the applicable MCP Method 1 GW-3 standards are presented in Table 6. Although that table provides a comparison of the fall 2007 analytical results from all 23 GW-3 monitoring wells that were sampled in fall 2007, only 12 of those wells (i.e., the downgradient GW-3 perimeter wells as identified in Table 1) have been designated as compliance points for the GW-3 standards.

The comparisons set forth in Table 6 show that two constituents, chlorobenzene and filtered total PCBs, were found at levels above their respective MCP Method 1 GW-3 standards in groundwater samples collected in fall 2007. Specifically, the chlorobenzene result from well

ES2-2A (2.1 ppm) was above the MCP Method 1 GW-3 standard of 1 ppm for chlorobenzene and the filtered PCB sample results from wells E2SC-23 (0.00134 ppm) and N2SC-7S (0.00031 ppm) were above the MCP Method 1 GW-3 standard of 0.0003 ppm for PCBs. Each of these locations is a downgradient perimeter well. Concentrations in excess of the respective MCP Method 1 GW-3 standards were previously detected in each of these wells, although the PCB concentrations in well N2SC-7S has not exceeded the GW-3 standard since the initial baseline sampling event conducted in fall 2001. No other constituents were detected at concentrations above their respective MCP Method 1 GW-3 standards in fall 2007. The comparisons set forth in Table 6 show that no SVOCs or inorganic constituents were detected at concentrations above their respective MCP Method 1 GW-3 standards. As discussed in Section 4.4 below, GE's proposed response to the current exceedances of the GW-3 standards at wells ES2-2A, E2SC-23, and N2SC-7S is to continue the interim monitoring program.

4.3.3 Fall 2007 Comparison to Upper Concentration Limits

In addition to comparing the fall 2007 groundwater analytical results with applicable MCP Method 1 GW-2 and GW-3 standards, the analytical results from all 23 wells that were sampled were compared with the UCLs for groundwater specified in the MCP (310 CMR 40.0996(7)). As shown in Table 7, none of the groundwater samples collected in fall 2007 contained constituent concentrations greater than any of the listed UCLs for groundwater.

4.4 Overall Assessment of Groundwater Analytical Results

Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB concentrations for all wells sampled in fall 2007 that have been previously sampled and analyzed for those constituents are presented in Appendix C. In addition, Appendix C contains graphs of historical concentrations of individual constituents that exceeded the applicable MCP Method 1 GW-3 standards or UCLs during any of the prior baseline monitoring program sampling events at GW-3 monitoring wells that were analyzed for those constituents in fall 2007. Because no exceedances of the MCP Method 1 GW-2 standards have been documented at the GW-2 monitoring wells during the baseline and interim monitoring programs, no graphs have been prepared for the GW-2 sampling data.

A review of the graphs contained in Appendix C, as well as historical data from the GMA 1 wells, indicates that the concentrations of most constituents has decreased or remained relatively stable at low levels during the baseline monitoring period, although the concentration of chlorobenzene was slightly greater than in previous sampling rounds at well at ES2-02A. Although the PCB data show no clear trend at most locations, the fall 2007 PCB concentrations were below the historical high concentrations at each monitoring well

that was previously analyzed for this constituent. As discussed in Section 5 below, GE will continue to monitor these wells during the interim program to further evaluate any potential trends in the data.

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 exceedance 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 the two wells where the Method 1 GW-3 standard for PCBs was exceeded (wells E2SC-23 and N2SC-7S), prior PCB data from these wells have shown similar or greater concentrations than those detected during fall 2007. The fall 2007 chlorobenzene result from well ES2-2A was slightly higher than previous chlorobenzene concentrations detected at this location, although chlorobenzene concentrations above the Method 1 GW-3 standard have consistently been detected at this well. Since the concentrations of constituents detected above the MCP Method 1 GW-3 standards at all locations are less than 100 times the respective GW-3 standards, GE's proposed response to these detections is to continue to collect additional data during the interim groundwater monitoring program. Based on the results of future sampling, GE may propose to increase the sampling frequency at these locations, continue to sample under the approved schedule for the interim groundwater sampling program, or make another proposal.

In addition, supplemental sampling was conducted at wells LSSC-8S and LSSC-18 in fall 2006 and spring 2007 following observations of elevated PCB concentrations during the spring 2006 interim sampling event. No PCBs were detected at either of these monitoring wells in fall 2007, which is consistent with the data obtained from these wells in spring 2007. As such, no additional supplemental sampling is proposed at well LSSC-8S or LSSC-18.

5. Schedule of Future Activities

5.1 General

In spring 2004, GE initiated the interim groundwater monitoring program to be conducted until completion of the soil-related Removal Actions at the RAAs that comprise GMA 1. Aside from completing baseline sampling events at certain locations that could not be sampled during every round of the initial two-year baseline monitoring program (which was accomplished), the interim monitoring program is designed to obtain additional data from locations where it is not yet clear whether the initial baseline groundwater quality results indicate that the well may require future monitoring in a long-term monitoring program.

A summary of the interim sampling program for GMA 1 as currently approved by EPA is provided in Table 8. The fall 2007 interim sampling results do not indicate a need for additional activities to be conducted beyond the approved interim monitoring program. Since no modifications to the interim monitoring program are proposed, this section contains a description of the schedule for future groundwater quality monitoring activities and reporting for GMA 1. This section also provides a schedule for the upcoming spring 2008 interim monitoring event, and associated reporting activities.

5.2 Field Activities Schedule

GE will conduct the spring 2008 interim groundwater sampling event at GMA 1 in April 2008, in conjunction with groundwater sampling activities that will be performed at the other GMAs. Consistent with the schedule as approved by EPA, the interim sampling events alternate between spring and fall schedules until a long-term groundwater quality monitoring program is implemented at GMA 1. Pursuant to EPA's October 10, 2007 conditional approval letter, the spring 2008 interim sampling event will include the second round of semi-annual sampling of wells GMA1-25 and GMA1-27 and analysis of those samples for filtered PCBs, VOCs, and SVOCs.

The spring 2008 semi-annual groundwater elevation and NAPL monitoring event will also be conducted in April 2008 at all wells included in the GMA 1 NAPL monitoring program. Results from that monitoring event will be incorporated into the next groundwater quality monitoring report for GMA 1.

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

5.3 Reporting Schedule

GE will continue to provide the results of preliminary groundwater analytical data in its monthly reports on overall activities at the GE-Pittsfield/Housatonic River Site.

GE will submit the spring 2008 Interim Groundwater Quality Report for GMA 1 by July 31, 2008, in accordance with the reporting schedule approved by EPA. That report will present the final, validated spring 2008 interim sampling results and a brief discussion of the results, including any proposals to further modify the interim monitoring program, if necessary. GE will also include an updated summary of available groundwater monitoring results and analytical data collected at the adjacent East Street Mobil Site, to the extent that such information is available to GE.

Subsequent annual Interim Groundwater Quality Reports for GMA 1 will be submitted by January 31 where sampling activities were performed in the prior fall, or by July 31 where sampling activities were performed in the prior spring.

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Tables

Table 1
Fall 2007 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Fall 2007 Analyses [3]	Comments
RAA 1 - 40s COMPLEX				
No interim groundwater quality monitoring scheduled to be performed in this RAA.				
RAA 2 - 30s COMPLEX				
RF-02	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
RAA 3 - 20s COMPLEX				
No interim groundwater quality monitoring scheduled to be performed in this RAA.				
RAA 4 - EAST STREET AREA 2-SOUTH				
3-6C-EB-14	GW-3 Perimeter (Downgradient)	Annual [1]	VOC (+5 SVOC)	Well could not be located during initial sampling efforts. Was later found and sampled on 12/4/2007. Analysis of five SVOCs not required - inadvertantly conducted by laboratory.
GMA1-13	GW-3 General/Source Area Sentinel	Annual [1]	PCB	
E2SC-23	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
E2SC-24	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
ES2-02A	GW-3 Perimeter (Downgradient)	Annual [1]	VOC	
ESA2S-64	GW-3 Perimeter (Downgradient)	Annual [1]	VOC	
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
RAA 5 - EAST STREET AREA 2-NORTH				
ES1-05	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
ES1-27R	GW-3 General/ Source Area Sentinel	Annual [1]	PCB	

Table 1
Fall 2007 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Fall 2007 Analyses [3]	Comments
RAA 6 - EAST STREET AREA 1-NORTH				
ESA1N-52	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual [1]	PCB	
RAA 12 - LYMAN STREET AREA				
LS-29	GW-3 General/Source Area Sentinel	Annual [1]	PCB	
LS-MW-4R	GW-3 Perimeter	Annual [1]	VOC	
LSSC-08S	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
LSSC-16S	GW-2 Sentinel	Annual [1]	VOC (+5 SVOC)	
LSSC-18	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
RAA 13 - NEWELL STREET AREA II				
GMA1-25	GW-2 Sentinel/ GW-3 Perimeter (Upgradient)	Semi-annual [2]	VOC/SVOC/PCB	Well damaged or installed at an angle such that a bladder pump could not be lowered into well. Peristaltic pump utilized for sample collection.
GMA1-27	GW-2 Sentinel/ GW-3 Perimeter (Upgradient)	Semi-annual [2]	VOC/SVOC/PCB	
N2SC-07S	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	Well could not be located during initial sampling efforts. Was later found and sampled on 12/4/2007.
RAA 14 - NEWELL STREET AREA I				
No interim groundwater quality monitoring scheduled to be performed in this RAA.				

Table 1
Fall 2007 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Fall 2007 Analyses [3]	Comments
RAA 18 - EAST STREET AREA 1 SOUTH				
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual [1]	VOC (+5 SVOC)/ PCB/Cyanide/Metals	
139R	GW-2 Sentinel/ GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
GMA1-6	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual [1]	VOC(+5 SVOC)/ PCB	
GMA1-18	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual [1]	PCB	

NOTES:

1. The wells scheduled for annual groundwater quality sampling are 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 alternates between the spring and fall seasons each year, beginning with spring 2004.
2. Wells GMA1-25 and GMA1-27 were added to the interim monitoring program in fall 2007 and are scheduled for four semi-annual rounds of groundwater quality sampling for the listed parameters, after which the needs for additional sampling during the interim period or as part of a long-term monitoring program will be assessed.
3. All analyses for PCB, metals, and cyanide conducted under the annual interim monitoring program are performed on filtered samples only.

Table 2
Monitoring Well Construction

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well Number	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (feet AMSL)	Measuring Point Elevation (feet AMSL)	Depth to Top of Screen (feet BGS)	Screen Length (feet)	Top of Screen Elevation (feet AMSL)	Base of Screen Elevation (feet AMSL)
	Northing	Easting							
RAA 2 - 30s Complex									
RF-02	533507.3	131111.2	4	983.4	982.43	3.0	15.0	980.4	965.4
RAA 4 - East Street Area 2-South									
3-6C-EB-14	532899.3	132125.0	2	984.68	984.20	12	9.5	972.7	963.2
E2SC-23	533344.4	133132.7	2	990.1	992.07	9.0	10.0	981.1	971.1
E2SC-24	533535.5	133544.4	2	986.0	987.90	9.0	10.0	977.0	967.0
ES2-02A	533023.6	132497.9	2	980.2	979.63	3.0	15.0	977.2	962.2
ESA2S-64	533152.1	132820.0	2	985.1	984.98	7.0	15.0	978.1	963.1
GMA1-13	533785.7	133705.2	2	989.5	991.41	15.0	10.0	974.5	964.5
HR-G3-MW-1	532900.3	132455.1	2	980.3	982.45	4.1	10.0	976.2	966.2
RAA 5 - East Street Area 2-North									
ES1-05	534750.4	135063.6	2	1,023.4	1,023.33	35.0	10.0	988.4	978.4
ES1-27R	534603.1	134604.2	2	1,023.4	1,023.19	9.3	10.0	1,014.1	1,004.1
RAA 6 - East Street Area 1-North									
ESA1-52	534253.8	134565.9	2	999.7	999.26	2.0	10.0	997.7	987.7
RAA 12 - Lyman Street Area									
LS-29	532807.6	131047.4	2	988.4	988.25	24.6	10.0	963.8	953.8
LSSC-08S	532408.9	130817.2	2	983.6	983.11	5.0	10.0	978.6	968.6
LSSC-16S	532500.5	130690.3	2	981.5	981.37	5.0	10.0	976.5	966.5
LSSC-18	532664.7	131107.5	2	987.6	987.32	9.0	10.0	978.6	968.6
LS-MW-4R	532351.60	130525.40	2	981.2	980.82	5.5	10.0	975.7	965.7

Table 2
Monitoring Well Construction

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well Number	Survey Coordinates		Well Diameter (inches)	Ground Surface Elevation (feet AMSL)	Measuring Point Elevation (feet AMSL)	Depth to Top of Screen (feet BGS)	Screen Length (feet)	Top of Screen Elevation (feet AMSL)	Base of Screen Elevation (feet AMSL)
	Northing	Easting							
RAA 13 - Newell Street Area II									
GMA1-25	532475.2	131882.3	2	987.51	987.19	5	10.0	982.5	972.5
GMA1-27	532319.7	131693.2	2	981.30	983.29	4	10.0	977.3	967.3
N2SC-07S	532707.0	131599.5	2	983.2	982.93	8.9	10.0	974.3	964.3
RAA 18 - East Street Area 1-South									
72R	534196.1	134234.6	4	1,001.2	1,000.92	4.0	10.0	997.2	987.2
139R	533841.6	135011.0	2	987.4	986.91	6.0	10.0	981.4	971.4
GMA1-6	534084.3	134455.5	2	1,000.7	1,000.44	5.0	10.0	995.7	985.7
GMA1-18	534221.0	134872.5	2	998.5	998.29	4.0	10.0	994.5	985.5

NOTES:

1. The listed wells were scheduled to be utilized during Fall 2007 for baseline groundwater quality sampling.
2. feet AMSL: Feet above mean sea level
3. feet BGS: Feet below ground surface

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
20s Complex		
CC	10/29/2007	976.95
EE	10/29/2007	977.64
FF	10/29/2007	979.15
GG	10/29/2007	980.85
II	10/29/2007	977.20
JJ	10/29/2007	976.87
LL-R	10/29/2007	980.14
P-R	10/29/2007	977.18
QQ-R	10/29/2007	976.73
U	10/29/2007	976.31
Y	10/29/2007	976.50
30s Complex		
95-16	10/29/2007	991.55
ES2-19	10/29/2007	994.02
GMA1-12	10/29/2007	976.21
RF-02	10/29/2007	976.03
RF-03	10/29/2007	975.95
RF-03D	10/29/2007	976.85
40s Complex		
95-17	10/29/2007	983.23
East Street Area 1-North		
25	10/30/2007	994.20
ESA1N-52	10/18/2007	993.33
60R	10/30/2007	993.05
105	10/30/2007	995.13
106	10/30/2007	994.00
107	10/30/2007	995.85
108A	10/30/2007	997.41
109A	10/30/2007	996.92
118	10/30/2007	996.72
128	10/30/2007	994.03
131	10/30/2007	996.13
140	10/30/2007	993.08
ES1-08	10/30/2007	994.60
North Caisson	10/30/2007	980.04

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
East Street Area 1-South		
31R	10/30/2007	991.02
ESA1S-33	10/30/2007	992.98
34	10/30/2007	993.70
35	10/30/2007	994.00
45	10/30/2007	993.92
46	10/30/2007	993.37
ESA1N-52	10/18/2007	993.33
72	10/30/2007	993.61
72R	10/30/2007	994.29
75	10/30/2007	993.89
76	10/30/2007	993.20
78	11/2/2007	994.07
80	11/2/2007	985.10
90	11/2/2007	982.11
139R	11/2/2007	975.86
ES1-13	11/2/2007	993.18
ES1-23R	11/2/2007	986.23
GMA1-6	11/2/2007	992.30
GMA1-7	11/2/2007	973.99
GMA1-18	11/2/2007	991.04
South Caisson	10/30/2007	989.37
East Street Area 2-North		
05-N	10/30/2007	984.41
11-N	10/30/2007	978.40
14-N	10/30/2007	987.03
16-N	10/29/2007	977.70
17A	10/29/2007	1,017.51
17-N	10/29/2007	977.98
19-N	10/29/2007	978.63
20-N	10/29/2007	980.45
23-N	10/29/2007	978.50
24-N	10/29/2007	978.83
ES1-05	10/18/2007	981.75
ES1-18	10/30/2007	1,042.78
ES1-20	10/31/2007	985.78
ES1-27R	10/30/2007	1,013.89

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
East Street Area 2-South		
01R	10/31/2007	978.88
2	10/31/2007	975.83
5	10/31/2007	979.30
09R	10/31/2007	<967.30
10	10/31/2007	<973.39
13	10/30/2007	972.66
14	10/30/2007	973.36
16R	10/30/2007	973.20
19	10/30/2007	972.18
25R	10/31/2007	975.49
26RR	10/31/2007	975.77
28	10/30/2007	973.58
29	10/30/2007	972.65
30	10/30/2007	975.63
31	10/30/2007	975.39
32	10/30/2007	978.01
34	10/31/2007	<973.66
35	10/31/2007	972.71
36	10/31/2007	973.44
37	10/31/2007	973.35
38	10/31/2007	974.52
42	10/30/2007	973.93
43	10/30/2007	974.43
44	10/30/2007	974.43
47	10/30/2007	972.63
48	10/30/2007	975.97
49R	10/30/2007	972.67
49RR	10/30/2007	972.60
50	10/30/2007	974.00
51	10/30/2007	973.06
ESA2S-52	10/30/2007	972.66
53	10/30/2007	972.40
54	10/30/2007	972.08
55	10/30/2007	972.45

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
East Street Area 2-South		
57	10/30/2007	975.44
58	10/30/2007	972.34
59	10/30/2007	971.22
ESA2S-64	10/30/2007	971.99
64R	10/30/2007	976.47
64S	10/30/2007	965.30
64V	10/30/2007	968.05
64X(N)	10/30/2007	972.20
64X(S)	10/30/2007	965.06
64X(W)	10/30/2007	966.14
95-1	10/30/2007	972.84
95-04R	10/30/2007	973.55
95-5	10/30/2007	972.97
95-07R	10/31/2007	974.36
E2SC-21	10/30/2007	<973.4
E2SC-23	10/24/2007	973.07
E2SC-24	10/24/2007	972.17
3-6C-EB-14	10/30/2007	967.45
3-6C-EB-22	10/30/2007	972.65
3-6C-EB-25	10/30/2007	972.83
3-6C-EB-28	10/30/2007	972.58
ES2-02A	10/30/2007	972.68
ES2-05	10/30/2007	973.28
ES2-08	10/30/2007	972.57
ES2-16	10/30/2007	975.10
ES2-18	10/30/2007	972.70
GMA1-13	10/30/2007	972.66
GMA1-14	10/29/2007	976.02
GMA1-15	10/29/2007	972.86
GMA1-16	10/29/2007	972.87

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
East Street Area 2-South		
3-6C-EB-14	10/30/2007	967.45
GMA1-17E	10/31/2007	977.13
GMA1-19	10/29/2007	972.87
GMA1-20	10/29/2007	972.64
GMA1-21	10/29/2007	972.63
GMA1-22	10/29/2007	972.91
GMA1-23	10/29/2007	972.91
GMA1-24	10/30/2007	972.49
HR-G1-MW-1	10/30/2007	971.73
HR-G1-MW-3	10/30/2007	971.60
HR-G2-MW-1	10/30/2007	971.71
HR-G2-MW-2	10/30/2007	972.99
HR-G2-MW-3	10/30/2007	972.23
HR-G2-RW-1	10/30/2007	972.06
HR-G3-MW-1	10/30/2007	972.07
HR-G3-MW-2	10/30/2007	972.20
HR-G3-RW-1	10/30/2007	972.51
HR-J1-MW-3	10/29/2007	972.40
HR-J1-MW-2	11/2/2007	972.36
HR-J1-MW-1	10/30/2007	972.16
M-R	10/31/2007	976.64
P3	10/30/2007	984.15
PZ-1S	10/30/2007	972.03
PZ-6S	10/30/2007	971.81
RW-1(S)	10/30/2007	969.42
RW-1(X)	10/30/2007	967.58
RW-2(X)	10/30/2007	972.11
TMP-1	10/30/2007	972.34
SG-HR-1	10/29/2007	971.99

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
Lyman Street Area		
GMA1-5	10/31/2007	970.50
B-2	10/31/2007	970.47
E-4	10/31/2007	972.27
E-7	10/31/2007	974.98
LS-12	10/31/2007	970.21
LS-13	10/31/2007	967.90
LS-21	10/31/2007	967.81
LS-24	10/31/2007	968.28
LS-30	10/31/2007	970.36
LS-31	10/31/2007	970.72
LS-38	10/31/2007	970.00
LSSC-06	10/31/2007	968.52
LSSC-08S	10/30/2007	970.46
LSSC-08I	10/30/2007	970.25
LSSC-09	10/31/2007	969.60
LSSC-16S	10/31/2007	971.30
LSSC-18	10/31/2007	968.62
LSSC-34I	10/31/2007	968.74
LSSC-34S	10/31/2007	969.01
MW-3R	10/31/2007	972.32
MW-4R	10/31/2007	970.91
MW-6R	10/31/2007	972.99
RW-1(R)	10/30/2007	967.92
RW-2	10/30/2007	968.03
RW-3	10/30/2007	966.72

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
Newell Street Area I		
FW-16R	11/2/2007	972.20
IA-9R	11/2/2007	972.39
MM-1	11/2/2007	975.47
Newell Street Area II		
GMA1-8	10/30/2007	971.85
GMA1-9	10/30/2007	972.22
GMA1-25	10/30/2007	973.46
GMA1-26	10/30/2007	972.87
GMA1-27	10/30/2007	973.78
GMA1-28	10/30/2007	971.54
MW-1S	10/30/2007	972.53
N2SC-09S	10/30/2007	972.79
N2SC-16	10/30/2007	984.07
NS-10	10/30/2007	973.44
NS-17	10/30/2007	972.15
NS-20	10/30/2007	977.72
NS-37	10/30/2007	971.75
Silver Lake Area		
SLGW-01S	10/30/2007	975.87
SLGW-03S	10/30/2007	976.01
SLGW-04S	10/30/2007	976.04
SLGW-05S	10/30/2007	975.94
SLGW-06S	10/30/2007	975.93
Silver Lake Gauge	10/30/2007	975.94

Notes:

1. AMSL - Above Mean Sea Level

Table 4
Field Parameter Measurements - Fall 2007

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Turbidity (NTU)	Temperature (Degrees Celsius)	pH (Standard Units)	Specific Conductivity (mS/cm)	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
RAA 2 - 30s COMPLEX						
RF-02	1.0	12.33	7.02	1.407	-2.5	0.82
RAA 4 - EAST STREET AREA 2-SOUTH						
3-6C-EB-14	2.0	7.73	6.84	1.140	93.30	0.64
E2SC-23	4.0	12.64	9.05	0.688	45.2	13.50
E2SC-24	12.0	12.00	8.21	1.128	-95.5	0.69
ES2-02A	7.0	14.56	7.86	2.005	-103.4	0.54
ESA2S-64	7.0	13.28	8.06	1.373	-96.5	1.65
GMA1-13	7.0	12.09	7.08	1.000	128.4	1.62
HR-G3-MW-1	2.0	14.41	6.06	1.734	-89.8	0.59
RAA 5 - EAST STREET AREA 2-NORTH						
ES1-05	2.0	18.48	7.62	1.672	-5.3	7.24
ES1-27R	19.0	20.01	8.28	0.359	118.6	6.02
RAA 6 - EAST STREET AREA 1-NORTH						
ESA1-52	3.0	16.40	6.79	0.600	-39.9	11.31
RAA 12 - LYMAN STREET AREA						
LS-29	28.0	11.23	6.61	0.635	60.2	3.28
LSSC-08S	6.0	13.66	7.33	2.321	-39.0	6.68
LSSC-16S	2.0	13.69	7.81	1.226	77.8	1.71
LSSC-18	1.0	12.59	7.74	0.937	-86.4	0.80
LS-MW-4R	2.0	14.80	11.72	1.229	-70.6	0.50
RAA 13 - NEWELL STREET AREA II						
GMA1-25	6.0	13.45	10.89	0.608	-79.4	0.62
GMA1-27	17.0	13.98	7.58	0.69	-67.5	2.61
N2SC-07S	0.0	7.97	7.17	0.748	-60.0	0.65

Table 4
Field Parameter Measurements - Fall 2007

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Turbidity (NTU)	Temperature (Degrees Celsius)	pH (Standard Units)	Specific Conductivity (mS/cm)	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
RAA 18 - EAST STREET AREA 1-SOUTH						
72R	18.0	17.69	5.94	1.571	132.6	6.12
139R	1.0	14.85	8.91	0.808	73.5	5.57
GMA1-6	33.0	17.50	6.22	1.827	-113.5	8.66
GMA1-18	4.0	18.62	7.93	1.152	-30.3	5.76

Notes:

1. Measurements collected during Fall 2007 groundwater sampling event performed between October 12 and December 4, 2007.
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 5
Comparison of Groundwater Analytical Results to MCP Method 1 GW-2 Standards

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:		East St. Area 1 - South		Lyman Street Area	Newell St. Area II	
Sample ID:	Method 1 GW-2	72R	GMA1-6	LSSC-16S	GMA1-25	GMA1-27
Parameter Date Collected:	Standards	10/23/07	10/23/07	10/17/07	10/18/07	10/18/07
Volatile Organics						
1,1,1-Trichloroethane	4	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00014 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)
2-Chloroethylvinylether	Not Listed	R [ND(0.013) J]	ND(0.013) J	ND(0.013) J	ND(0.013) J [ND(0.013) J]	R
Acetone	50	ND(0.0050) J [ND(0.0050) J]	0.0047 J	ND(0.0050) J	0.0025 J [ND(0.0050) J]	ND(0.0050) J
Chlorobenzene	0.2	ND(0.0010) [ND(0.0010)]	0.00014 J	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroform	0.4	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00081 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Tetrachloroethene	0.05	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.0075	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichloroethene	0.03	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.0011	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Total VOCs	5	ND(0.10) [ND(0.10)]	0.0048 J	0.0096 J	0.0025 J [ND(0.10)]	ND(0.10)
Semivolatile Organics						
1,4-Dichlorobenzene	0.2	ND(0.0010) [ND(0.0010)]	0.0011	ND(0.0010)	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Ethylhexyl)phthalate	50	NA	NA	NA	0.0081 J [ND(0.010)]	ND(0.010)

Notes:
1. Samples were collected by ARCADIS BBL. and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered).volatiles, selected semivolatiles and cyanide (filtered).
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. Only volatile and semivolatile analyses are presented for the GW-2 Standards Comparison.
4. NA - Not Analyzed.
5. ND - Analyte was not detected. The number in parentheses 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.
8. Total VOCs are being compared to the notification level in the SOW of 5 ppm, as there is no GW-2 standard for Total VOCs.

Data Qualifiers:

Organics (volatiles, semivolatiles)

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

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID / Sample ID: / Parameter / Date Collected:	Method 1 GW-3 Standards	30s Complex RF-02 10/12/07	East St. Area 1 - North ESA1N-52 10/18/07	East St. Area 1 - South 139R 10/23/07
Volatile Organics				
1,1-Dichloroethane	20	NA	NA	NA
2-Chloroethylvinylether	Not Listed	NA	NA	NA
Acetone	50	NA	NA	NA
Benzene	10	NA	NA	NA
Chlorobenzene	1	NA	NA	NA
Chloroethane	Not Listed	NA	NA	NA
Chloromethane	Not Listed	NA	NA	NA
Ethylbenzene	4	NA	NA	NA
Methylene Chloride	50	NA	NA	NA
Toluene	4	NA	NA	NA
trans-1,2-Dichloroethene	50	NA	NA	NA
Vinyl Chloride	50	NA	NA	NA
Xylenes (total)	0.5	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Total PCBs	0.0003	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	NA	NA	NA
1,3-Dichlorobenzene	50	NA	NA	NA
1,4-Dichlorobenzene	8	NA	NA	NA
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA
Inorganics-Filtered				
Barium	50	NA	NA	NA
Beryllium	0.05	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.01	NA	NA	NA
Zinc	0.9	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		East St. Area 1 - South		
Sample ID:	Method 1 GW-3	72R	GMA1-18	GMA1-6
Parameter Date Collected:	Standards	10/23/07	10/22/07	10/23/07
Volatile Organics				
1,1-Dichloroethane	20	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
2-Chloroethylvinylether	Not Listed	R [ND(0.013) J]	NA	ND(0.013) J
Acetone	50	ND(0.0050) J [ND(0.0050) J]	NA	0.0047 J
Benzene	10	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chlorobenzene	1	ND(0.0010) [ND(0.0010)]	NA	0.00014 J
Chloroethane	Not Listed	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloromethane	Not Listed	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Ethylbenzene	4	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Methylene Chloride	50	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Toluene	4	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
trans-1,2-Dichloroethene	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Vinyl Chloride	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Xylenes (total)	0.5	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Total PCBs	0.0003	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,3-Dichlorobenzene	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,4-Dichlorobenzene	8	ND(0.0010) [ND(0.0010)]	NA	0.0011
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA
Inorganics-Filtered				
Barium	50	0.0309 B [0.0302 B]	NA	NA
Beryllium	0.05	ND(0.0100) [0.0100]	NA	NA
Copper	Not Listed	0.0260 J [ND(0.0100) J]	NA	NA
Lead	0.01	ND(0.0100) [ND(0.0100)]	NA	NA
Zinc	0.9	0.00558 B [ND(0.0500)]	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		East St. Area 2 - North		East St. Area 2 - South	
Sample ID:	Method 1 GW-3	ES1-05	ES1-27R	3-6C-EB-14	E2SC-23
Parameter Date Collected:	Standards	10/19/07	10/19/07	12/04/07	10/25/07
Volatile Organics					
1,1-Dichloroethane	20	NA	NA	ND(0.20)	NA
2-Chloroethylvinylether	Not Listed	NA	NA	ND(2.5) J	NA
Acetone	50	NA	NA	ND(1.0)	NA
Benzene	10	NA	NA	ND(0.20)	NA
Chlorobenzene	1	NA	NA	0.79	NA
Chloroethane	Not Listed	NA	NA	ND(0.20)	NA
Chloromethane	Not Listed	NA	NA	ND(0.20)	NA
Ethylbenzene	4	NA	NA	ND(0.20)	NA
Methylene Chloride	50	NA	NA	ND(1.0)	NA
Toluene	4	NA	NA	ND(0.20)	NA
trans-1,2-Dichloroethene	50	NA	NA	ND(0.20)	NA
Vinyl Chloride	50	NA	NA	ND(0.20)	NA
Xylenes (total)	0.5	NA	NA	ND(0.20)	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065) J	ND(0.000065)	NA	0.00081
Aroclor-1260	Not Listed	ND(0.000065) J	ND(0.000065)	NA	0.00053
Total PCBs	0.0003	ND(0.000065) J	ND(0.000065)	NA	**0.00134**
Semivolatile Organics					
1,2,4-Trichlorobenzene	50	NA	NA	0.18 J	NA
1,3-Dichlorobenzene	50	NA	NA	1.0	NA
1,4-Dichlorobenzene	8	NA	NA	5.8	NA
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA	NA
Inorganics-Filtered					
Barium	50	NA	NA	NA	NA
Beryllium	0.05	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Lead	0.01	NA	NA	NA	NA
Zinc	0.9	NA	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		East St. Area 2 - South			
Sample ID:	Method 1 GW-3	E2SC-24	ES2-02A	ESA2S-64	GMA1-13
Parameter Date Collected:	Standards	10/24/07	10/25/07	10/25/07	10/12/07
Volatile Organics					
1,1-Dichloroethane	20	NA	ND(0.10)	0.022 J	NA
2-Chloroethylvinylether	Not Listed	NA	ND(1.3) J	ND(1.0) J	NA
Acetone	50	NA	ND(0.50) J	ND(0.40) J	NA
Benzene	10	NA	0.11	0.011 J	NA
Chlorobenzene	1	NA	**2.1**	0.39	NA
Chloroethane	Not Listed	NA	ND(0.10)	2.0	NA
Chloromethane	Not Listed	NA	ND(0.10)	ND(0.080)	NA
Ethylbenzene	4	NA	0.026 J	0.11	NA
Methylene Chloride	50	NA	0.022 J	0.031 J	NA
Toluene	4	NA	ND(0.10)	0.042 J	NA
trans-1,2-Dichloroethene	50	NA	ND(0.10)	ND(0.080)	NA
Vinyl Chloride	50	NA	ND(0.10)	ND(0.080)	NA
Xylenes (total)	0.5	NA	0.012 J	0.24	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065)	NA	NA	ND(0.00011)
Aroclor-1260	Not Listed	ND(0.000065)	NA	NA	ND(0.00011)
Total PCBs	0.0003	ND(0.000065)	NA	NA	ND(0.00011)
Semivolatile Organics					
1,2,4-Trichlorobenzene	50	NA	NA	NA	NA
1,3-Dichlorobenzene	50	NA	NA	NA	NA
1,4-Dichlorobenzene	8	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA	NA
Inorganics-Filtered					
Barium	50	NA	NA	NA	NA
Beryllium	0.05	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Lead	0.01	NA	NA	NA	NA
Zinc	0.9	NA	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		East St. Area 2 - South	Lyman Street Area	
Sample ID:	Method 1 GW-3	HR-G3-MW-1	LS-29	LSSC-08S
Parameter Date Collected:	Standards	10/25/07	10/25/07	10/17/07
Volatile Organics				
1,1-Dichloroethane	20	NA	NA	NA
2-Chloroethylvinylether	Not Listed	NA	NA	NA
Acetone	50	NA	NA	NA
Benzene	10	NA	NA	NA
Chlorobenzene	1	NA	NA	NA
Chloroethane	Not Listed	NA	NA	NA
Chloromethane	Not Listed	NA	NA	NA
Ethylbenzene	4	NA	NA	NA
Methylene Chloride	50	NA	NA	NA
Toluene	4	NA	NA	NA
trans-1,2-Dichloroethene	50	NA	NA	NA
Vinyl Chloride	50	NA	NA	NA
Xylenes (total)	0.5	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	0.00015	ND(0.000065) [ND(0.000065)]
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Total PCBs	0.0003	ND(0.000065)	0.00015	ND(0.000065) [ND(0.000065)]
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	NA	NA	NA
1,3-Dichlorobenzene	50	NA	NA	NA
1,4-Dichlorobenzene	8	NA	NA	NA
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA
Inorganics-Filtered				
Barium	50	NA	NA	NA
Beryllium	0.05	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.01	NA	NA	NA
Zinc	0.9	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		Lyman Street Area		Newell St. Area II
Sample ID:	Method 1 GW-3	LSSC-18	MW-4R	GMA1-25
Parameter Date Collected:	Standards	10/25/07	10/17/07	10/18/07
Volatile Organics				
1,1-Dichloroethane	20	NA	0.00017 J	ND(0.0010) [ND(0.0010)]
2-Chloroethylvinylether	Not Listed	NA	ND(0.013) J	ND(0.013) J [ND(0.013) J]
Acetone	50	NA	ND(0.0050) J	0.0025 J [ND(0.0050) J]
Benzene	10	NA	0.0065	ND(0.0010) [ND(0.0010)]
Chlorobenzene	1	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroethane	Not Listed	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloromethane	Not Listed	NA	0.0014	ND(0.0010) [ND(0.0010)]
Ethylbenzene	4	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Methylene Chloride	50	NA	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Toluene	4	NA	0.00018 J	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	50	NA	0.00066 J	ND(0.0010) [ND(0.0010)]
Vinyl Chloride	50	NA	0.00095 J	ND(0.0010) [ND(0.0010)]
Xylenes (total)	0.5	NA	0.00065 J	ND(0.0010) [ND(0.0010)]
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	NA	ND(0.000065) J [ND(0.000065)]
Aroclor-1260	Not Listed	ND(0.000065)	NA	ND(0.000065) J [ND(0.000065)]
Total PCBs	0.0003	ND(0.000065)	NA	ND(0.000065) J [ND(0.000065)]
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	NA	NA	ND(0.010) [ND(0.010)]
1,3-Dichlorobenzene	50	NA	NA	ND(0.010) [ND(0.010)]
1,4-Dichlorobenzene	8	NA	NA	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	0.0081 J [ND(0.010)]
Inorganics-Filtered				
Barium	50	NA	NA	NA
Beryllium	0.05	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.01	NA	NA	NA
Zinc	0.9	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Site ID / Sample ID: / Date Collected:	Method 1 GW-3 Standards	Newell St. Area II GMA1-27 10/18/07	Newell St. Area II N2SC-07S 12/04/07
Volatile Organics				
1,1-Dichloroethane		20	ND(0.0010)	NA
2-Chloroethylvinylether		Not Listed	R	NA
Acetone		50	ND(0.0050) J	NA
Benzene		10	ND(0.0010)	NA
Chlorobenzene		1	ND(0.0010)	NA
Chloroethane		Not Listed	ND(0.0010)	NA
Chloromethane		Not Listed	ND(0.0010)	NA
Ethylbenzene		4	ND(0.0010)	NA
Methylene Chloride		50	ND(0.0050)	NA
Toluene		4	ND(0.0010)	NA
trans-1,2-Dichloroethene		50	ND(0.0010)	NA
Vinyl Chloride		50	ND(0.0010)	NA
Xylenes (total)		0.5	ND(0.0010)	NA
PCBs-Filtered				
Aroclor-1254		Not Listed	ND(0.000065) J	0.00016
Aroclor-1260		Not Listed	ND(0.000065) J	0.00015
Total PCBs		0.0003	ND(0.000065) J	**0.00031**
Semivolatile Organics				
1,2,4-Trichlorobenzene		50	ND(0.010)	NA
1,3-Dichlorobenzene		50	ND(0.010)	NA
1,4-Dichlorobenzene		8	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate		0.03	ND(0.010)	NA
Inorganics-Filtered				
Barium		50	NA	NA
Beryllium		0.05	NA	NA
Copper		Not Listed	NA	NA
Lead		0.01	NA	NA
Zinc		0.9	NA	NA

Notes:
1. Samples were collected by ARCADIS BBL. and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered).volatiles, selected semivolatiles and cyanide (filtered).
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.
7. Shading indicates that value exceeds the Method 1 GW-3 standards.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)
J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.

Inorganics
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 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID / Sample ID: / Parameter / Date Collected:	MCP UCL for GroundWater	30s Complex RF-02 10/12/07	East St. Area 1 - North ESA1N-52 10/18/07	East St. Area 1 - South 139R 10/23/07
Volatile Organics				
1,1,1-Trichloroethane	100	NA	NA	NA
1,1-Dichloroethane	100	NA	NA	NA
2-Chloroethylvinylether	Not Listed	NA	NA	NA
Acetone	100	NA	NA	NA
Benzene	100	NA	NA	NA
Chlorobenzene	10	NA	NA	NA
Chloroethane	Not Listed	NA	NA	NA
Chloroform	100	NA	NA	NA
Chloromethane	Not Listed	NA	NA	NA
Ethylbenzene	100	NA	NA	NA
Methylene Chloride	100	NA	NA	NA
Tetrachloroethene	100	NA	NA	NA
Toluene	80	NA	NA	NA
trans-1,2-Dichloroethene	100	NA	NA	NA
Trichloroethene	50	NA	NA	NA
Vinyl Chloride	100	NA	NA	NA
Xylenes (total)	100	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Total PCBs	0.005	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	NA	NA	NA
1,3-Dichlorobenzene	100	NA	NA	NA
1,4-Dichlorobenzene	80	NA	NA	NA
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA
Inorganics-Filtered				
Barium	100	NA	NA	NA
Beryllium	0.5	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.15	NA	NA	NA
Zinc	50	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		East St. Area 1 - South		
Sample ID:	MCP UCL	72R	GMA1-18	GMA1-6
Parameter Date Collected:	for GroundWater	10/23/07	10/22/07	10/23/07
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,1-Dichloroethane	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
2-Chloroethylvinylether	Not Listed	R [ND(0.013) J]	NA	ND(0.013) J
Acetone	100	ND(0.0050) J [ND(0.0050) J]	NA	0.0047 J
Benzene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chlorobenzene	10	ND(0.0010) [ND(0.0010)]	NA	0.00014 J
Chloroethane	Not Listed	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloroform	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloromethane	Not Listed	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Ethylbenzene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Methylene Chloride	100	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Tetrachloroethene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Toluene	80	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
trans-1,2-Dichloroethene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Trichloroethene	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Vinyl Chloride	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Xylenes (total)	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Total PCBs	0.005	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,3-Dichlorobenzene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,4-Dichlorobenzene	80	ND(0.0010) [ND(0.0010)]	NA	0.0011
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA
Inorganics-Filtered				
Barium	100	0.0309 B [0.0302 B]	NA	NA
Beryllium	0.5	ND(0.0100) [0.0100]	NA	NA
Copper	Not Listed	0.0260 J [ND(0.0100) J]	NA	NA
Lead	0.15	ND(0.0100) [ND(0.0100)]	NA	NA
Zinc	50	0.00558 B [ND(0.0500)]	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		East St. Area 2 - North		East St. Area 2 - South	
Sample ID:	MCP UCL	ES1-05	ES1-27R	3-6C-EB-14	E2SC-23
Parameter Date Collected:	for GroundWater	10/19/07	10/19/07	12/04/07	10/25/07
Volatile Organics					
1,1,1-Trichloroethane	100	NA	NA	ND(0.20)	NA
1,1-Dichloroethane	100	NA	NA	ND(0.20)	NA
2-Chloroethylvinylether	Not Listed	NA	NA	ND(2.5) J	NA
Acetone	100	NA	NA	ND(1.0)	NA
Benzene	100	NA	NA	ND(0.20)	NA
Chlorobenzene	10	NA	NA	0.79	NA
Chloroethane	Not Listed	NA	NA	ND(0.20)	NA
Chloroform	100	NA	NA	ND(0.20)	NA
Chloromethane	Not Listed	NA	NA	ND(0.20)	NA
Ethylbenzene	100	NA	NA	ND(0.20)	NA
Methylene Chloride	100	NA	NA	ND(1.0)	NA
Tetrachloroethene	100	NA	NA	ND(0.20)	NA
Toluene	80	NA	NA	ND(0.20)	NA
trans-1,2-Dichloroethene	100	NA	NA	ND(0.20)	NA
Trichloroethene	50	NA	NA	ND(0.20)	NA
Vinyl Chloride	100	NA	NA	ND(0.20)	NA
Xylenes (total)	100	NA	NA	ND(0.20)	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065) J	ND(0.000065)	NA	0.00081
Aroclor-1260	Not Listed	ND(0.000065) J	ND(0.000065)	NA	0.00053
Total PCBs	0.005	ND(0.000065) J	ND(0.000065)	NA	0.00134
Semivolatile Organics					
1,2,4-Trichlorobenzene	100	NA	NA	0.18 J	NA
1,3-Dichlorobenzene	100	NA	NA	1.0	NA
1,4-Dichlorobenzene	80	NA	NA	5.8	NA
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA	NA
Inorganics-Filtered					
Barium	100	NA	NA	NA	NA
Beryllium	0.5	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Lead	0.15	NA	NA	NA	NA
Zinc	50	NA	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		East St. Area 2 - South			
Sample ID:	MCP UCL	E2SC-24	ES2-02A	ESA2S-64	GMA1-13
Parameter Date Collected:	for GroundWater	10/24/07	10/25/07	10/25/07	10/12/07
Volatile Organics					
1,1,1-Trichloroethane	100	NA	ND(0.10)	ND(0.080)	NA
1,1-Dichloroethane	100	NA	ND(0.10)	0.022 J	NA
2-Chloroethylvinylether	Not Listed	NA	ND(1.3) J	ND(1.0) J	NA
Acetone	100	NA	ND(0.50) J	ND(0.40) J	NA
Benzene	100	NA	0.11	0.011 J	NA
Chlorobenzene	10	NA	2.1	0.39	NA
Chloroethane	Not Listed	NA	ND(0.10)	2.0	NA
Chloroform	100	NA	ND(0.10)	ND(0.080)	NA
Chloromethane	Not Listed	NA	ND(0.10)	ND(0.080)	NA
Ethylbenzene	100	NA	0.026 J	0.11	NA
Methylene Chloride	100	NA	0.022 J	0.031 J	NA
Tetrachloroethene	100	NA	ND(0.10)	ND(0.080)	NA
Toluene	80	NA	ND(0.10)	0.042 J	NA
trans-1,2-Dichloroethene	100	NA	ND(0.10)	ND(0.080)	NA
Trichloroethene	50	NA	ND(0.10)	ND(0.080)	NA
Vinyl Chloride	100	NA	ND(0.10)	ND(0.080)	NA
Xylenes (total)	100	NA	0.012 J	0.24	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065)	NA	NA	ND(0.00011)
Aroclor-1260	Not Listed	ND(0.000065)	NA	NA	ND(0.00011)
Total PCBs	0.005	ND(0.000065)	NA	NA	ND(0.00011)
Semivolatile Organics					
1,2,4-Trichlorobenzene	100	NA	NA	NA	NA
1,3-Dichlorobenzene	100	NA	NA	NA	NA
1,4-Dichlorobenzene	80	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA	NA
Inorganics-Filtered					
Barium	100	NA	NA	NA	NA
Beryllium	0.5	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Lead	0.15	NA	NA	NA	NA
Zinc	50	NA	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		East St. Area 2 - South	Lyman Street Area	
Sample ID:	MCP UCL	HR-G3-MW-1	LS-29	LSSC-08S
Parameter Date Collected:	for GroundWater	10/25/07	10/25/07	10/17/07
Volatile Organics				
1,1,1-Trichloroethane	100	NA	NA	NA
1,1-Dichloroethane	100	NA	NA	NA
2-Chloroethylvinylether	Not Listed	NA	NA	NA
Acetone	100	NA	NA	NA
Benzene	100	NA	NA	NA
Chlorobenzene	10	NA	NA	NA
Chloroethane	Not Listed	NA	NA	NA
Chloroform	100	NA	NA	NA
Chloromethane	Not Listed	NA	NA	NA
Ethylbenzene	100	NA	NA	NA
Methylene Chloride	100	NA	NA	NA
Tetrachloroethene	100	NA	NA	NA
Toluene	80	NA	NA	NA
trans-1,2-Dichloroethene	100	NA	NA	NA
Trichloroethene	50	NA	NA	NA
Vinyl Chloride	100	NA	NA	NA
Xylenes (total)	100	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	0.00015	ND(0.000065) [ND(0.000065)]
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Total PCBs	0.005	ND(0.000065)	0.00015	ND(0.000065) [ND(0.000065)]
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	NA	NA	NA
1,3-Dichlorobenzene	100	NA	NA	NA
1,4-Dichlorobenzene	80	NA	NA	NA
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA
Inorganics-Filtered				
Barium	100	NA	NA	NA
Beryllium	0.5	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.15	NA	NA	NA
Zinc	50	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		Lyman Street Area		
Sample ID:	MCP UCL	LSSC-16S	LSSC-18	MW-4R
Parameter Date Collected:	for GroundWater	10/17/07	10/25/07	10/17/07
Volatile Organics				
1,1,1-Trichloroethane	100	0.00014 J	NA	ND(0.0010)
1,1-Dichloroethane	100	ND(0.0010)	NA	0.00017 J
2-Chloroethylvinylether	Not Listed	ND(0.013) J	NA	ND(0.013) J
Acetone	100	ND(0.0050) J	NA	ND(0.0050) J
Benzene	100	ND(0.0010)	NA	0.0065
Chlorobenzene	10	ND(0.0010)	NA	ND(0.0010)
Chloroethane	Not Listed	ND(0.0010)	NA	ND(0.0010)
Chloroform	100	0.00081 J	NA	ND(0.0010)
Chloromethane	Not Listed	ND(0.0010)	NA	0.0014
Ethylbenzene	100	ND(0.0010)	NA	ND(0.0010)
Methylene Chloride	100	ND(0.0050)	NA	ND(0.0050)
Tetrachloroethene	100	0.0075	NA	ND(0.0010)
Toluene	80	ND(0.0010)	NA	0.00018 J
trans-1,2-Dichloroethene	100	ND(0.0010)	NA	0.00066 J
Trichloroethene	50	0.0011	NA	ND(0.0010)
Vinyl Chloride	100	ND(0.0010)	NA	0.00095 J
Xylenes (total)	100	ND(0.0010)	NA	0.00065 J
PCBs-Filtered				
Aroclor-1254	Not Listed	NA	ND(0.000065)	NA
Aroclor-1260	Not Listed	NA	ND(0.000065)	NA
Total PCBs	0.005	NA	ND(0.000065)	NA
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	ND(0.0010)	NA	NA
1,3-Dichlorobenzene	100	ND(0.0010)	NA	NA
1,4-Dichlorobenzene	80	ND(0.0010)	NA	NA
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA
Inorganics-Filtered				
Barium	100	NA	NA	NA
Beryllium	0.5	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.15	NA	NA	NA
Zinc	50	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID		Newell St. Area II		
Sample ID:	MCP UCL	GMA1-25	GMA1-27	N2SC-07S
Parameter / Date Collected:	for GroundWater	10/18/07	10/18/07	12/04/07
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1-Dichloroethane	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
2-Chloroethylvinylether	Not Listed	ND(0.013) J [ND(0.013) J]	R	NA
Acetone	100	0.0025 J [ND(0.0050) J]	ND(0.0050) J	NA
Benzene	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chlorobenzene	10	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloroethane	Not Listed	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloroform	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloromethane	Not Listed	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Ethylbenzene	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Methylene Chloride	100	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Tetrachloroethene	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Toluene	80	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
trans-1,2-Dichloroethene	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Trichloroethene	50	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Vinyl Chloride	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Xylenes (total)	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00016
Aroclor-1260	Not Listed	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00015
Total PCBs	0.005	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00031
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,3-Dichlorobenzene	100	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,4-Dichlorobenzene	80	ND(0.010) [ND(0.010)]	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate	100	0.0081 J [ND(0.010)]	ND(0.010)	NA
Inorganics-Filtered				
Barium	100	NA	NA	NA
Beryllium	0.5	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.15	NA	NA	NA
Zinc	50	NA	NA	NA

Notes:
1. Samples were collected by ARCADIS BBL. and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered).volatiles, selected semivolatiles and cyanide (filtered).
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)
J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.

Inorganics
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
Interim Groundwater Quality Monitoring Program Activities - Spring 2008

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2008 Analyses [3]	Comments
RAA 1 - 40s COMPLEX				
No interim groundwater quality monitoring scheduled to be performed in this RAA.				
RAA 2 - 30s COMPLEX				
RF-02	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
RAA 3 - 20s COMPLEX				
No interim groundwater quality monitoring scheduled to be performed in this RAA.				
RAA 4 - EAST STREET AREA 2-SOUTH				
3-6C-EB-14	GW-3 Perimeter (Downgradient)	Annual [1]	VOC	
GMA1-13	GW-3 General/Source Area Sentinel	Annual [1]	PCB	
E2SC-23	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
E2SC-24	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
ES2-02A	GW-3 Perimeter (Downgradient)	Annual [1]	VOC	
ESA2S-64	GW-3 Perimeter (Downgradient)	Annual [1]	VOC	
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
RAA 5 - EAST STREET AREA 2-NORTH				
ES1-05	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
ES1-27R	GW-3 General/ Source Area Sentinel	Annual [1]	PCB	

Table 8
Interim Groundwater Quality Monitoring Program Activities - Spring 2008

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2008 Analyses [3]	Comments
RAA 6 - EAST STREET AREA 1-NORTH				
ESA1N-52	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual [1]	PCB	
RAA 12 - LYMAN STREET AREA				
LS-29	GW-3 General/Source Area Sentinel	Annual [1]	PCB	
LS-MW-4R	GW-3 Perimeter	Annual [1]	VOC	
LSSC-08S	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
LSSC-16S	GW-2 Sentinel	Annual [1]	VOC (+5 SVOC)	
LSSC-18	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
RAA 13 - NEWELL STREET AREA II				
GMA1-25	GW-2 Sentinel/ GW-3 Perimeter (Upgradient)	Semi-annual [2]	VOC/SVOC/PCB	Peristaltic pump to be utilized for sample collection.
GMA1-27	GW-2 Sentinel/ GW-3 Perimeter (Upgradient)	Semi-annual [2]	VOC/SVOC/PCB	
N2SC-07S	GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
RAA 14 - NEWELL STREET AREA I				
No interim groundwater quality monitoring scheduled to be performed in this RAA.				

Table 8
Interim Groundwater Quality Monitoring Program Activities - Spring 2008

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2008 Analyses [3]	Comments
RAA 18 - EAST STREET AREA 1 SOUTH				
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual [1]	VOC (+5 SVOC)/ PCB/Cyanide/Metals	
139R	GW-2 Sentinel/ GW-3 Perimeter (Downgradient)	Annual [1]	PCB	
GMA1-6	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual [1]	VOC(+5 SVOC)/ PCB	
GMA1-18	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual [1]	PCB	

NOTES:

1. The wells scheduled for annual groundwater quality sampling are 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 alternates between the spring and fall seasons each year, beginning with spring 2004.
2. Wells GMA1-25 and GMA1-27 were added to the interim monitoring program in fall 2007 and are scheduled for four semi-annual rounds of groundwater quality sampling for the listed parameters, after which the needs for additional sampling during the interim period or as part of a long-term monitoring program will be assessed.
3. All analyses for PCB, metals, and cyanide conducted under the annual interim monitoring program are performed on filtered samples only.

ARCADIS

Figures

LEGEND:

GMA 1 (PLANT SITE 1)

COMPRISED OF:

- RAA 1–40s COMPLEX
- RAA 2–30s COMPLEX
- RAA 3–20s COMPLEX
- RAA 4–EAST STREET AREA 2–SOUTH
- RAA 5–EAST STREET AREA 2–NORTH
- RAA 6–EAST STREET AREA 1–NORTH
- RAA 12–LYMAN STREET AREA (INCLUDING FORMER OXBOWS B, D AND E)
- RAA 13–NEWELL STREET AREA II
- RAA 14–NEWELL STREET AREA I
- RAA 17–SILVER LAKE AREA
- RAA 18–EAST STREET AREA 1–SOUTH (NAPL/GROUNDWATER ONLY)

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

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'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

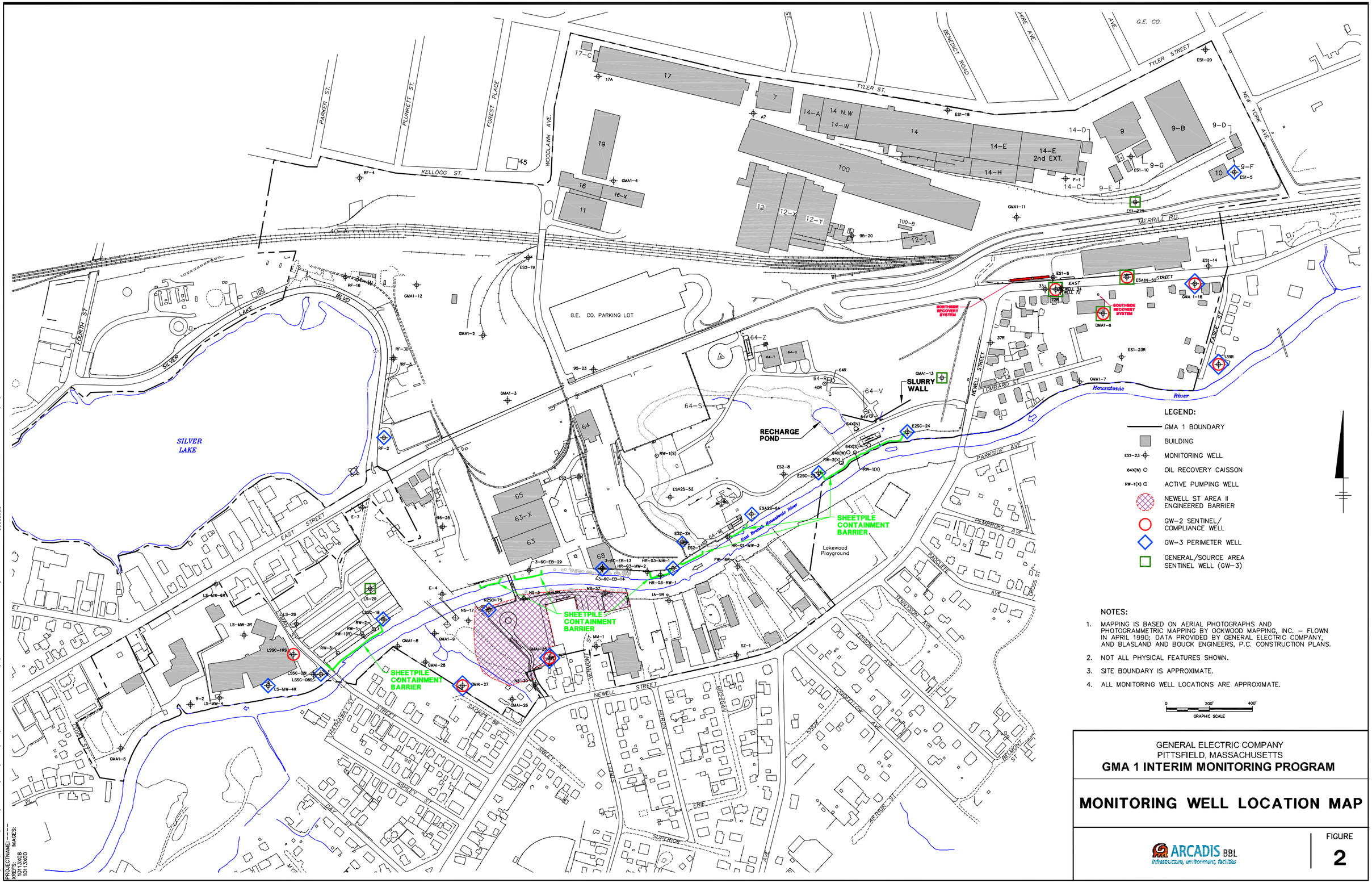
GMA 1 INTERIM MONITORING PROGRAM

GROUNDWATER MANAGEMENT AREAS

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
1

SYR-85-GMS RCB LAYER: ON=*, OFF=REF, (FRZ)
G:\CAD\GE-CAD\C-ACT\B0010113\0000\00001\DWG\10113B05.DWG SAVED:1/9/2008 1:18 PM LAYOUT:Layout1 PAGESETUP:########## PENTABLE:PLTFULL.CTB PRINTED:1/29/2008 11:26 AM BY:RBASSETT
PROJECTNAME:-----
XREFS: IMAGES:
10113X00



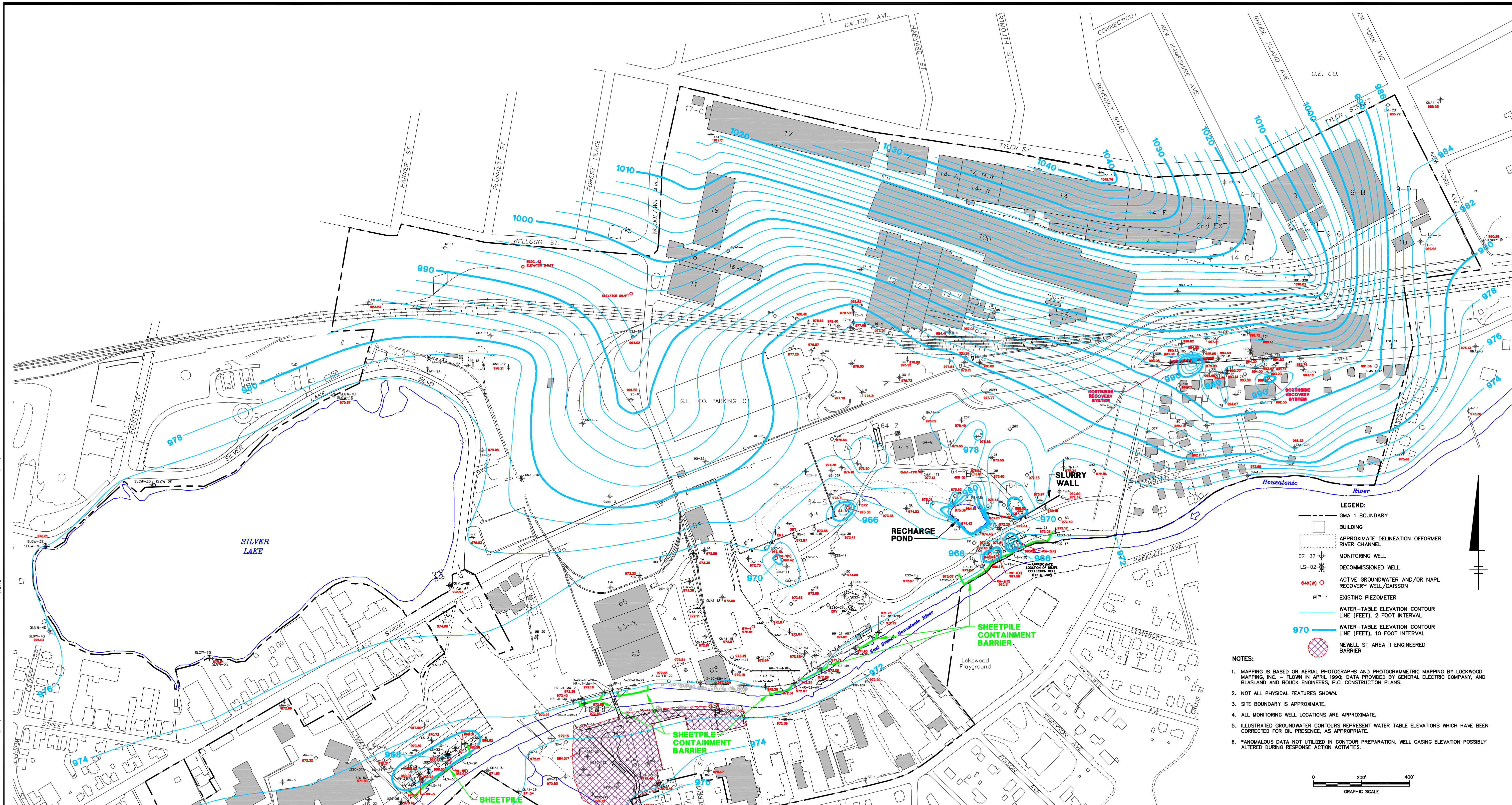
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 1 INTERIM MONITORING PROGRAM

MONITORING WELL LOCATION MAP

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
2

SYR-BS-GWS RCB LAYER: ON=*; OFF=REF, |BLDG-DEMO, |BLDG-REMOVED, |BLDG-SHD-REMOVE, |PARKING-OLD
G:\CAD\GE-CAD\C-ACT\B0101013\0000\00001\DWG\1013B06.DWG SAVED:1/9/2008 1:20 PM LAYOUT:Layout1 PAGESETUP:###### PENTABLE:PLTFULL.CTB PRINTED:1/29/2008 11:25 AM BY:RBASSETT
PROJECTNAME:----
XREFS: IMAGES:
1013X08
1013X09



NOTES:

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

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 1 INTERIM MONITORING PROGRAM

WATER TABLE CONTOUR MAP FALL 2007

ARCADIS BBL
Infrastructure, environment, facilities

FIGURE
3

Appendices

ARCADIS

Appendix A

Field Sampling Data

Table A-1
Summary of Groundwater Sampling Methods
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Sampling Method											
	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007
RAA 2 - 30s COMPLEX												
RF-02	SP	PP	PP	BP	NS	PP	NS	PP	PP	NS	NS	PP
RF-16/RF-16R	PP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	NS
	Fall 2007: Well removed from interim monitoring program.											
RAA 4 - EAST STREET AREA 2-SOUTH												
3-6C-EB-14	PP	PP	PP	BP	NS	NS	NS	NS	NS	NS	NS	BP
	Fall 07: Well added to interim monitoring program. Unable to locate well during initial sampling efforts in October 2007, Well was found and sampled in December 2007. Spring 2002: Dissolved oxygen meter malfunction. Fall 2001: Dissolved oxygen meter malfunction.											
95-09/GMA1-13	BA	PP/BA	NS	PP	BP	BP	NS	BP	BP	NS	NS	BP
	Spring 2003: Well 95-9 replaced by well GMA1-13 Fall 2002: Well damaged - no sample collected. Fall 2001: Field parameters not collected.											
E2SC-23	SP/PP/BA	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
	Fall 2007: Water level below top of pump, unable to collect water level readings during purging. Well dried during purging. Samples collected after recharge. Fall 2002: Well dried during purging. Several visits required to collect sample volume. Fall 2001: Submersible pump malfunction, change to peristaltic pump. Well purged dry, samples collected after recharge - multiple visits required (bailer used for VOC collection).											
E2SC-24	SP	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
	Fall 2007: Water level top of pump, unable to collet water level readings during purging. Spring 2004: Initial sample analysis canceled due to extremely low surrogate recoveries. A second sample was collected and analyzed. Fall 2001: Slightly turbid (<50 NTU)											
ES2-02A	SP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
	Fall 2007: Organic particulates and strong odor observed. Fall 2001: Unable to get turbidity below 50 NTU.											
ESA2S-52	PP	PP/BA	PP	PP	NS	PP	NS	PP	PP	NS	NS	NS
	Fall 2007: Well removed from interim monitoring program. Fall 2002: Well officially added to monitoring program in place of well ES2-17. Fall 2001: Dissolved oxygen meter malfunction. Fall 2001: Spring 2002: Well sampled as supplemental monitoring point.											
ESA2S-64	SP	BP	PP	BP	NS	NS	NS	NS	BP	NS	NS	BP
	Fall 2007: Well added to interm monitoring problem. Slight odor observed. Spring 2006: Supplemental sampling performed. Fall 2003-Fall2005: No sample collected - baseline monitoring complete, not proposed for additional sampling under interim monitoring program. Fall 2002: Petroleum odor and sheen observed. Fall 2001: Unable to get turbidity below 50 NTU.											
HR-G1-MW-3	SP	PP	PP	BP	BP	BP	NS	BP	BP	NS	NS	NS
	Fall 2007: Well removed from interim monitoring program. Fall 2003: River elevation very high, water near base of well. Spring 2002: Dissolved oxygen meter malfunction. Fall 2001: Unable to get turbidity below 50 NTU.											
HR-G3-MW-1	SP	PP	PP	BP	BP	BP	NS	BP	BP	NS	NS	BP
	Spring 2006: Barely able to get turbidity below 50 NTU (49 NTU at time of sampling). Fall 2001: Pump malfunction during sample collection, was briefly shut down.											
RAA 5 - EAST STREET AREA 2-NORTH												
ES1-05	BA	BP	SP	BP	BP	BP	NS	BP	BP	NS	NS	BP
	Fall 2007: Well casing broken/reference point not marked. Water level below top of pump, unable to collect water level readings during purging. Spring 2003: Portion of well casing broken. Fall 2002: Well almost dry - unable to get turbidity below 50 NTU. Spring 2002: Well casing broken at top. Fall 2001: Field parameters not collected.											
ES1-27R	SP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
	Fall 2002: Dissolved oxygen meter malfunction.											

Table A-1
Summary of Groundwater Sampling Methods
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Sampling Method											
	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007
RAA 6 - EAST STREET AREA 1-NORTH												
ES1-08	PP	PP	PP	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Spring 2003: Well removed from baseline program (replaced by well ESA1S-33). Fall 2002: LNAPL present (removed prior to sampling). Well dried several times during sampling. Spring 2002: LNAPL present (removed prior to sampling). Fall 2001: LNAPL present (removed prior to sampling). Well dried several times during sampling.											
ES1-14	PP	PP	PP	PP	NS	NS	NS	NS	NS	NS	NS	NS
	Spring 2004: No sample collected due to property access issue - well to be replaced by well GMA1-18 for future interim monitoring events. Fall 2003: No sample collected - additional sampling under interim monitoring program scheduled to resume in spring 2004. Fall 2002: Dissolved oxygen meter malfunction. Well dried several times during sampling, unable to measure water levels during purging. Spring 2002: Slightly turbid (<50 NTU), unable to measure water levels during purging. Fall 2001: Well purged dry. Sample collected after recharge.											
ESA1N-52	PP	PP	PP	PP	NS	PP	NS	PP	PP	NS	NS	PP
	Fall 2007: Slight septic odor observed. Spring 2006: LNAPL present (removed prior to sampling). Spring 2003: Sheen observed, Fall 2002: Slight sheen observed, Spring 2002: LNAPL present (removed prior to sampling). Fall 2001: LNAPL present (removed prior to sampling).											
RAA 12 - LYMAN STREET AREA												
LS-29	SP	BP	NS	PP	PP	PP	NS	PP	PP	NS	NS	PP
	Spring 2003: Pump type changed from bladder pump to peristaltic pump. Fall 2002: Well not sampled; Casing broken.											
LSSC-08S	PP	BP	PP	BP	NS	BP	NS	BP	BP	BP	BP	PP
	Fall 2007: Black particles and strong odor observed. Water level near pump intake, could not collect depth to water readings during purging. Fall 2001: Turbidity meter malfunction. Samples visually clear.											
LSSC-16S	SP	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
	Fall 2007: Water level below top of pump unable to collect water level readings during purging. Spring 2006: Barely able to get turbidity below 50 NTU (42 NTU at time of sampling). Spring 2003: Tubidity relatively high (40 NTU); did not reduce at very low pumping rate. Trace sheen observed during initial purge, not present at time of sampling.											
LSSC-18	SP/PP	PP/BA	PP	BP	NS	BP	NS	BP	BP	BP	BP	BP
	Fall 2007: Water level below top of pump, unable to collect water level readings during purging. Fall 2001: Turbidity meter malfunction. Samples visually clear. Submersible pump malfunction during sample collection, change to peristaltic pump for											
MW-4/MW-4R	PP	PP	PP	PP	NS	PP	PP	PP	PP	NS	NS	PP
	Fall 2007: Elevated pH observed, instrament calibration checked. Fall 2003: No sample collected - additional sampling under interim monitoring program to resume at replacement well MW-4R in spring 2004. Spring 2003: Well cap missing - replaced. Fall 2002: Turbidity meter malfunction. Samples visually clear.											
RAA 13 - NEWELL STREET AREA II												
GMA1-25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	PP
	Fall 2007: Well added to interm monitoring program. Well at an angle, could not install bladder pump. Used peristaultic pump for sample collection. Elevated pH observed, instrument calibration checked.											
GMA1-27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	BP
	Fall 2007: Well added to interim monitoring program.											
N2SC-07S	SP	BP	PP	BP	BP	BP	NS	BP	BP	NS	NS	PP
	Fall 2007: Unable to locate well during initial sampling efforts in October 2007, well was found and sampled in December 2007. Could not insert bladder pump, partial blockage at top of well, peristaltic pump utilized.											
NS-17	SP	PP/BA	PP	PP	PP	PP	NS	PP	PP	NS	NS	NS
	Fall 2007: Well removed from interim monitoring program.											
RAA 18 - EAST STREET AREA 1 SOUTH												
ESA1S-33/72R	NS	NS	NS	PP	NS	NS	NS	NS	NS	NS	NS	BP
	Fall 2004: Well added to interim monitoring program in place of well ESA1S-33 Spring 2004: No sample collected - well to be replaced by well 72R for future interim monitoring events. Fall 2003: No sample collected - additional sampling under interim monitoring program scheduled to resume in spring 2004. Spring 2003: Well added to monitoring program in place of well ES1-8. Turbidity >50 NTU, not reducing at minimum pumping rate. Will use bladder pump for future sampling events.											

Table A-1
Summary of Groundwater Sampling Methods
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Sampling Method											
	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007
ESA1S-139/139R	PP	PP	BP/BA	PP	NS	NS	PP	PP	PP	NS	NS	PP
	Spring 2006: pH meter malfunction. Fall 2004: Well 139R added to interim monitoring program in place of well 139 Spring 2004: No sample collected - well to be replaced by well 139R for future interim monitoring events. Fall 2003: No sample collected - additional sampling under interim monitoring program scheduled to resume in spring 2004. Fall 2002: Well dried during purging with bladder pump. Several visits required to collect sample volume with bailer. Fall 2001: Well purged dry. Sample collected after recharge.											
GMA1-6	PP	PP	PP	PP	NS	PP	NS	PP	PP	NS	NS	BP
	Fall 2007: Water level below top of pump, unable to collect water level readings during purging.											
GMA1-18	NS	NS	NS	NS	NS	NS	BP	BP	BP	NS	NS	BP
	Fall 2007: Water level below top of pump, unable to collect water level readings during purging. Fall 2004: Well GMA1-18 added to interim monitoring program in place of well ES1-14.											

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. 72 R
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel KC / MHR
Date 10/23/07
Weather Cloudy / raining 60s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From TIC
Well Diameter 4"
Screen Interval Depth 4-14 Meas. From TIC Ground
Water Table Depth 7.05 Meas. From TIC
Well Depth 13.39 Meas. From TIC
Length of Water Column 6.34'
Volume of Water in Well 1.03 gallons
Intake Depth of Pump/Tubing n/a 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 1655
Sample ID ~~GMA~~ 72R
Duplicate ID GMA1-DUP3
MS/MSD 72R MS/MSD
Split Sample ID —

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

EVACUATION INFORMATION

Pump Start Time ~~1420~~ 1520
Pump Stop Time ~~1720~~ 1720
Minutes of Pumping 120
Volume of Water Removed 4.75 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-556 MPS 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]*
1525	600	0.79	7.21	—	—	—	4	—	—
1526	400	0.90	7.61	—	—	—	—	—	—
1535	150	1.10	7.90	17.55	5.91	1.406	49	9.06	110.2
1540	150	1.30	8.48	17.76	5.90	1.416	54	7.52	111.7
1545	150	1.50	8.50	17.78	5.89	1.452	57	7.10	116.0
1550	150	1.70	8.52	17.73	5.91	1.473	62	6.63	119.0
1555	150	1.90	-	17.75	5.89	1.490	47	6.61	121.1
☆ 1600	—								

* 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

☆ issues w/ turb. meter.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 72R

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel KIC/MMR
Date 10/23/07
Weather Cloudy/raining 60s

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]*
1605	150	2.30		17.75	5.93	1.524	49	5.90	125.6
1610	150	~~2.50~~	8.89	17.75	5.93	1.527	34	5.89	125.9
1615	150	2.70	8.93	17.73	5.93	1.533	39	5.94	127.4
1620	150	2.90	8.96	17.70	5.93	1.540	25	6.01	129.0
1625	150	3.10	8.99	17.71	5.94	1.547	24	6.06	130.5
1630	150	3.30	9.09	17.70	5.95	1.551	23	6.04	129.4
1635	150	3.50	9.12	17.71	5.94	1.556	21	6.09	130.9
1640	150	3.70	9.00	17.72	5.93	1.561	19	6.18	131.7
1645	150	3.90	9.20	17.70	5.93	1.569	19	6.00	132.9
1650	150	4.10	9.23	17.69	5.94	1.571	18	6.12	132.6
1655	→	→	Sampled	@ 1655					

* 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. 139R
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 1 GE Pittsfield
Sampling Personnel KJC/MMR
Date 10/23/07
Weather Cloudy 60's.

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 6-16' Meas. From Ground
Water Table Depth 11.89 Meas. From TIC
Well Depth 14.15 Meas. From TIC
Length of Water Column 2.26'
Volume of Water in Well 0.37 gallons
Intake Depth of Pump/Tubing ~12' 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 1320
Sample ID 139R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 1150
Pump Stop Time 1330
Minutes of Pumping 100
Volume of Water Removed 3.25 gallons
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 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]*
1155	150	0.20	12.30	—	—	—	63	—	—
1200	100	0.33	12.39	—	—	—	19	—	—
1210	100	0.46	12.48	15.02	8.72	0.765	15	7.35	45.9
1215	100	0.59	12.54	14.87	8.98	0.764	14	6.67	53.8
1220	106	0.72	12.55	14.84	9.09	0.767	16	6.32	58.6
1225	125	0.89	12.58	14.80	9.08	0.772	12	6.37	64.0
1230	125	1.05	12.59	14.83	9.22	0.773	11	6.09	66.1
1235	125	1.22	12.61	14.86	9.50	0.777	12	6.09	69.1

* 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: [signature]

GROUNDWATER SAMPLING LOG

Well No. 139R

Site/GMA Name GMA1 GE Pittsfield
Sampling Personnel KIC/MMR
Date 6/23/07
Weather Cloudy 60'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]*
1240	100	1.35	12.63	14.71	9.60	0.781	8	5.95	70.1
1245	100	1.48	12.50	14.88	9.56	0.781	7	5.66	71.0
1250	150	1.68	12.62	14.95	9.04	0.796	5	5.72	72.4
1255	125	1.84	12.63	14.99	9.04	0.798	4	5.60	72.3
1300	100	1.97	12.63	15.04	8.94	0.800	3	5.66	75.5
1305	125	2.14	12.66	15.03	8.90	0.803	2	5.65	74.9
1310	150	2.34	12.68	14.92	8.85	0.806	1	5.62	72.7
1315	150	2.54	12.70	14.85	8.91	0.808	1	5.57	72.5
1320	→ Sampled at 1320 ←								

* 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 Issues with keeping pumping rate stable

GROUNDWATER SAMPLING LOG

Well No. 3-6C-EB-14
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR
Date 12/4/07
Weather Overcast, 25°F, Winds 20-30mph

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.50' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 12'-21.5' Meas. From TIC
Water Table Depth 11.60' Meas. From TIC
Well Depth 21.62' Meas. From TIC
Length of Water Column 10.02'
Volume of Water in Well 1.64 gallons
Intake Depth of Pump/Tubing 16.6' 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)

Sample Time 11:50
Sample ID 3-6C-EB-14
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 10:30
Pump Stop Time 11:55
Minutes of Pumping 85
Volume of Water Removed 2.25 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS 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]*
10:40	100ml	0.26	11.60	—	—	—	9	—	—
10:55	100ml	0.666	11.60	5.96	6.75	1.175	6	7.25	198.0
11:00	100ml	0.79	11.60	7.03	6.75	1.173	5	3.41	188.3
11:05	100ml	0.92	11.60	8.21	6.81	1.155	3	2.11	171.0
11:10	100ml	1.06	11.60	9.39	6.80	1.148	4	1.43	153.0
11:15	100ml	1.19	11.60	10.05	6.80	1.148	3	1.10	137.1
11:20	100ml	1.32	11.60	9.96	6.85	1.149	2	0.92	122.0
11:25	100ml	1.45	11.60	8.85	6.81	1.151	2	0.80	113.0

* 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: Clear, odorless
Final Purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

Well No. 3-6C-EB-14

Site Name GE Hsfld/GMA-1

Sampling Personnel GAR

Date 12/4/07

Weather Cloudy, 25°F, Winds 20-30 mph

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]*
11:30	100ml	1.59	11.60	8.01	6.86	1.147	2	0.75	104.8
11:35	100ml	1.72	11.60	7.85	6.82	1.145	1	0.70	99.8
11:40	100ml	1.85	11.60	7.71	6.83	1.142	2	0.66	96.5
11:45	100ml	1.98	11.60	7.73	6.84	1.140	2	0.64	93.3

* 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. E25C-23
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GEP Hatfield / GMA 1
Sampling Personnel KIC / MMR
Date ~~10/24/07~~ 10/25/07
Weather Cloudy low 50's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 9-19' Meas. From Ground
Water Table Depth 19.18 Meas. From TIC
Well Depth 91.16 Meas. From TIC
Length of Water Column ____
Volume of Water in Well ____
Intake Depth of Pump/Tubing ____ 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 10/25/07 1505
Sample ID E25C-23.
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X) 10/25/07
( )	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 1450
Pump Stop Time 1600
Minutes of Pumping 70
Volume of Water Removed 2.0 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-556 MPS 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]*
1450	50	—	NA	—	—	—	28	—	—
1500	100	0.26		12.72	8.38	0.685	14	3.95	-60.1
1505	100	0.39		12.54	8.36	0.686	9	3.41	-64.6
1510	100	0.52		12.33	8.30	0.675	5	2.95	-70.6
1515	100	0.65		12.14	8.26	0.674	3	2.35	-76.6
1520	100	0.78		12.05	8.24	0.673	2	2.02	-79.0
1525	100	0.91		11.98	8.23	0.672	1	1.75	-80.8
1530	100	1.04		11.96	8.20	0.671	1	1.62	-80.6

* 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: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. E2SC-23

Site/GMA Name GE Pittsfield / GMA
Sampling Personnel KIC/MMR
Date 10/24/07
Weather Cloudy low 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]*
1535	100	1.17	NA	11.98	8.43	0.671		1.56	-80.1
1540	100	1.30		11.98	8.48	0.671		1.50	-79.6
1545	100	1.43		11.82	8.48	0.670	49	1.49	-78.8
1550	150	1.56		–	–	–	882	–	–
1600	–	–		–	–	–	658	–	–
10/25/07 1455	200	–	19.50	12.64	9.05	0.688	4.0	13.50	45.2

depth to water: 19.30
depth to bottom: 21.15
Sample time: 1505

* 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 disconnected YSI @ 1545, waited for turbidity to drop below 50

GROUNDWATER SAMPLING LOG

E2SC-24

Well No. GSA2
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield/GMA1
Sampling Personnel KIC/MMR
Date 10/24/07
Weather Raining 50's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 4-19 Meas. From Ground
Water Table Depth 16.08 Meas. From TIC
Well Depth 21.6 Meas. From TIC
Length of Water Column 5.52'
Volume of Water in Well 0.90 gallons
Intake Depth of Pump/Tubing ~18' Meas. From TIC

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

Redeveloped? Y (N)

Sample Time 1155
Sample ID E2SC-24
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)	( )

EVACUATION INFORMATION

Pump Start Time 1020
Pump Stop Time 1205
Minutes of Pumping 105
Volume of Water Removed 2.75 gallons
Did Well Go Dry? (Y) N

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

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

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]*
1030	160	0.42	NA	—	—	—	113	—	—
1035	90	0.54	NA	—	—	—	70	—	—
1040	100	0.67	NA	—	—	—	52	—	—
1045	100	0.80	NA	—	—	—	54	—	—
1045	100	0.93	NA	—	—	—	44	—	—
1050	100	—	—	—	—	—	—	—	—
1055	50	1.06	NA	12.32	8.30	1.102	40	2.41	-76.4
1100	75	1.16	NA	12.17	8.71	1.095	38	1.55	-80.5

* 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

*Water level is below the top of the pump.
*initial purge light brown w/ slight odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. E25C-24

Site/GMA Name GE Pittsfield/GMA1
Sampling Personnel KIC/MMR
Date 10/24/07
Weather Rainy 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]*
1105	75	1.26	NA	12.08	9.20	1.098	31	1.28	-85.4
1110	75	1.36	NA	12.08	9.44	1.103	26	1.14	-92.0
1115	100	1.49	NA	12.14	9.19	1.110	22	0.98	-94.7
1120	100	1.62	NA	12.10	8.81	1.118	18	0.90	-94.1
* 1125	50	1.69	NA	12.07	8.61	1.123	15	0.85	-94.0
1130	50	1.76	NA	12.04	8.39	1.127	11	0.81	-93.3
1135	70	1.85	NA	12.10	8.22	1.132	10	0.77	-93.1
1140	90	1.97	NA	12.13	8.21	1.133	11	0.74	-91.8
1145	90	2.09	NA	12.10	8.24	1.129	12	0.71	-94.1
1150	90	2.21	NA	12.00	8.21	1.128	12	0.69	-96.5

* 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

* lowered Pump 1', water level lower the pump in Tank

GROUNDWATER SAMPLING LOG

Well No. ESA25-64
Key No.
PID Background (ppm)
Well Headspace (ppm)

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel KIC / AMR
Date 10/25/07
Weather Sunny low 60's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ______ Meas. From ______
Well Diameter 2"
Screen Interval Depth 7'-22' Meas. From Ground
Water Table Depth 13.31 Meas. From TIC
Well Depth 20.8 Meas. From TIC
Length of Water Column 7.49'
Volume of Water in Well 1.22 gallons
Intake Depth of Pump/Tubing 17' 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 1535
Sample ID ESA25-64
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 1410
Pump Stop Time 1545
Minutes of Pumping 95
Volume of Water Removed 2.5 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-556 MPS Hach 2100 P 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]*
1415	75	0.10	–	–	–	–	14	–	–
1430	100	0.23	13.32	–	–	–	13	–	–
1430	100	0.49	13.32	15.79	7.61	1.425	8	11.04	-108.2
1435	100	0.62	13.32	15.61	7.63	1.426	6	8.67	-106.6
1440	100	0.75	13.33	15.74	7.60	1.417	5	8.48	-96.7
1445	100	0.88	13.33	15.38	7.62	1.414	5	8.39	-100.5
1450	100	1.01	13.33	15.13	7.62	1.406	5	7.59	-100.2
1455	100	1.14	13.33	15.38	7.60	1.404	5	5.86	-91.3

* 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 - Hooked up to YSI @ 1420
- water has slight odor, relatively clear water

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

C:\WOR\GE\Groundwater\554100\Attachment D-2

GROUNDWATER SAMPLING LOG

Well No. ESA2S-64

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel KIC / MMR
Date 10/25/07
Weather sunny low 60'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]*
1500	100	1.27	13.33	15.63	7.56	1.398	5	3.91	-90.4
1505	100	1.40	13.33	15.18	7.58	1.404	4	3.41	-94.9
1510	100	1.53	13.33	14.82	7.66	1.401	4	2.77	-95.7
1515	100	1.66	13.33	14.82	7.65	1.391	5	1.81	-99.9
1520	100	1.79	13.33	13.78	7.87	1.391	4	1.50	-95.0
1525	100	1.92	13.33	13.00	8.01	1.376	6	1.59	-97.1
1530	100	2.05	13.33	12.96	8.02	1.372	7	1.68	-99.7
1535	100	2.18	13.33	13.28	8.06	1.373	7	1.65	-96.5

* 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 - Sampled @ 1540 Final well depth to water 13.33'

GROUNDWATER SAMPLING LOG

Well No. ESI-05
Key No. 2
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield / GMA1
Sampling Personnel KJC
Date 10/18/07
Weather overcast, high 50's windy

☆ WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 35-45 Meas. From Ground
Water Table Depth 41.58 Meas. From TIC
Well Depth 114.15 Meas. From TIC
Length of Water Column 2.57'
Volume of Water in Well 0.42 gallons
Intake Depth of Pump/Tubing ~43.5 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 ESI-05
Sample ID 11.05
Duplicate ID —
MS/MSD
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 1000
Pump Stop Time 1130
Minutes of Pumping 90
Volume of Water Removed 3.0 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-556 MPS 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]*
1010	300	0.79		—	—	—	71	—	—
1015	350	1.25		—	—	—	64	—	—
1017	200	1.36		—	—	—	38	—	—
☆☆ 1020	100	1.44		—	—	—	—	—	—
1030	100	1.70		19.21	7.55	1.506	23	23.71	-23.9
1035	100	1.83		18.20	7.64	1.532	15	17.93	-17.0
1040	100	1.96		18.12	7.65	1.557	12	12.93	-13.9
1045	100	2.09		18.14	7.65	1.600	7	9.42	-13.6

* 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

☆ Well/PVC broken, reference not marked
☆☆ Hooked up YSI, recharge slower than speed of controller

SAMPLE DESTINATION

Laboratory: TGS
Delivered Via: Fed-Ex
Airbill #: —

Field Sampling Coordinator [signature]

GROUNDWATER SAMPLING LOG

Well No. ESI-05

Site/GMA Name GE Pittsfield/GMA1
Sampling Personnel KLC
Date 10/18/07
Weather

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]*
1050	100	2.22		18.03	7.69	1.620	6	7.91	-11.6
1055	90	2.34		18.26	7.66	1.648	4	7.34	-5.3
1100	↓	2.46		18.32	7.65	1.657	3	7.26	-5.0
1105	↓	2.58		18.58	7.65	1.668	2	7.25	-6.9
1110	↓	2.70		18.48	7.62	1.672	2	7.24	-5.3
1105	→	Sampled @			1105	→	→	→	→

* 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. ESI-27R
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield / GMA-1
Sampling Personnel JCS
Date 10/19/07
Weather cloudy, breezy; 60°F

Sample Time 1035
Sample ID ESI-27R
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 9.3 - 19.3 Meas. From Ground
Water Table Depth 9.30 Meas. From TIC
Well Depth 18.98 Meas. From TIC
Length of Water Column 9.68
Volume of Water in Well 1.58 gallons
Intake Depth of Pump/Tubing 12' 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)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
(X)	PCBs (Total)	( )
( )	PCBs (Dissolved)	(X)
( )	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 ~~0930~~ 0945
Pump Stop Time 1045
Minutes of Pumping 60
Volume of Water Removed 2 gallons
Did Well Go Dry? Y (N)

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

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

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]*
0950	~75	initial	Note (1)				11		
0955	Hooking up to flow-through cell								
1005	~125	0.25	9.75	19.88	8.37	0.352	21	7.14	156.8
1010	~125	~0.25	9.77	19.94	8.42	0.357	20	6.60	147.5
1015	~125	~0.5	9.79	19.78	8.43	0.358	21	6.17	130.5
1020	~125	~0.5	9.79	19.89	8.35	0.359	20	6.09	123.4
1025	~125	~0.75	9.79	19.98	8.30	0.359	18	6.10	116.7
1030	~125	~1.0	9.79	20.01	8.28	0.359	19	6.02	108.6

* 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 (1) Bottom well very soft; setting pump @ approximately 12 feet below TIC + reduce turbidity - cannot obtain water level (2) lowered all pump [well going dry]

SAMPLE DESTINATION

Laboratory: SOJ
Delivered Via: ~~Courier~~ Fed. Ex.
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GSAIN-52
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA1 GE Pittsfield
Sampling Personnel KC/JS
Date 10/18/07
Weather Clear/Sunny/Foggy 50

Sample Time 1020
Sample ID GSAIN-52
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point — Meas. From —
Well Diameter 2"
Screen Interval Depth 6-16 Meas. From Ground
Water Table Depth 5.93 Meas. From TIC
Well Depth 8.82 Meas. From TIC
Length of Water Column 2.89'
Volume of Water in Well 0.47 gallons
Intake Depth of Pump/Tubing ~11 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)

Analytical Parameters:	Required	Collected
VOCs (Std. list)	( )	( )
VOCs (Exp. list)	( )	( )
SVOCs	( )	( )
PCBs (Total)	( )	( )
PCBs (Dissolved)	(X)	(X)
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 0925
Pump Stop Time 1035
Minutes of Pumping 70
Volume of Water Removed 3.75 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556-MPS 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]*
0930	200	0.26	6.81	—	—	—	334	—	—
0933		0.42	7.40	—	—	—	261	—	—
0935		0.53	7.66	—	—	—	158	—	—
0940		0.79	7.69	—	—	—	97	—	—
0945		1.06	7.69	—	—	0.499	44	—	—
0950		1.32	7.69	16.40	6.75	~~15.11~~	20	15.30	-24.2
0955		1.59	7.69	16.38	6.66	.512	13	15.01	-23.5
1000		1.85	7.69	16.38	6.68	.534	7	14.14	-24.6

* 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
Initial purge is a greyish black, slight sewage smell

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. ES-71N-52

Site/GMA Name GMA 1 / GE Pittsfield
Sampling Personnel KLC / JSS
Date 10/18/07
Weather Mostly 60'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]*
1005	200	2.11	7.69	16.41	6.72	0.551	5	13.98	-26.1
1010	↓	2.38	7.69	16.43	6.76	0.592	4	11.74	-33.2
1015	↓	2.64	7.69	16.42	6.78	0.590	4	10.34	-37.2
1020	↓	2.91	7.69	16.40	6.79	0.600	3	11.31	-39.9
Sampled at 1020									

* 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. ES2-02A
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield/GMA 1
Sampling Personnel KIC/MMR
Date 10/25/07
Weather 50, overcast

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point + Meas. From TIC
Well Diameter 2"
Screen Interval Depth 3-18 Meas. From Ground
Water Table Depth 7.20 Meas. From TIC
Well Depth 17.48 Meas. From TIC
Length of Water Column
Volume of Water in Well
Intake Depth of Pump/Tubing ~13' 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 1035
Sample ID ES2-02A
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 0930
Pump Stop Time 1045
Minutes of Pumping 75
Volume of Water Removed 2.0 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-556 MPS 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]*
0935	250	0.33	7.20	—	—	—	26	—	—
0940	150	0.53	—	—	—	—	13	—	—
0945	100	0.66	—	14.38	6.49	1.502	11	3.58	-86.0
0950	100	0.79	7.73	13.43	5.93	1.546	11	2.05	-87.2
0955	100	0.92	7.71	13.76	5.85	1.576	12	1.47	-90.7
1000	100	1.05	7.71	14.05	5.85	1.654	10	1.20	-95.7
1005	100	1.18	7.71	14.24	5.93	1.757	9	1.00	-97.5
1010	100	1.31	7.70	14.39	6.09	1.874	7	0.80	-101.9

* 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

- Initial purge has organic particulates and strong NAPL odor
- 0942 Hooked up the YSI

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

C:\WORK\GE\Groundwater\554190\Attachment3-2

GROUNDWATER SAMPLING LOG

Well No. ES2-02A

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel KIC / MMR
Date 10/25/07
Weather 50, Overcast

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]*
1015	100	1.44	7.71	14.41	8.17	1.929	6	0.71	-100.8
1020	100	1.57	7.71	14.53	7.92	1.987	7	0.63	-103.8
1025	100	1.70	7.69	14.50	7.82	2.028	7	0.57	-105.8
1030	100	1.83	7.69	14.56	7.86	2.005	7	0.54	-103.4
1035	→ Sampled @ 1035 ←								

* 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 – Began sampling @ 1030

GROUNDWATER SAMPLING LOG

Well No. GMA1-6 | Site/GMA Name GE Pittsfield/ GMA1
Key No. — | Sampling Personnel KLC, MMR
PID Background (ppm) — | Date 10/23/07
Well Headspace (ppm) — | Weather Cloudy 50s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ___ Meas. From TIC
Well Diameter 2"
Screen Interval Depth 5-15 Meas. From Ground
Water Table Depth 8.26 Meas. From TIC
Well Depth 15.05 Meas. From TIC
Length of Water Column 6.79
Volume of Water in Well 1.11 gallons
Intake Depth of Pump/Tubing ~12' 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 1040
Sample ID GMA1-6
Duplicate ID ___
MS/MSD ___
Split Sample ID ___

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	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 0935
Pump Stop Time 1055
Minutes of Pumping 80
Volume of Water Removed 2.25 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)

YSI #2
Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS Hach 2100P Turbidimeter

Time	Purge Rate (L/min.)	Total Gallons Removed	Water ☆ Level (ft TIC)	Temp. °C (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]*
0940	75	0.10	—	—	—	—	249	—	—
0946	75	0-20	—	—	—	—	57	—	—
0950	75	0-30	—	—	—	—	55	—	—
0955	110	0-45	8.48	—	—	—	45	—	—
1000	100	—	—	—	—	—	—	—	—
1005	100	0-71		18.02	6.19	1.939	43	9.05	-107.3
1010	100	0-84		17.86	6.23	1.832	44	8.85	-108.0
1015	100	0-97		17.73	6.24	1.830	40	8.75	-109.2

* 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

* Grey sediment @ tip of probe, slight odor · 0950 lowered 1',
☆ water level is below top of pump
initial purge had odor and is yellow brown in color.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA1-6

Site/GMA Name GE Pittsfield/GMA 1
Sampling Personnel KIC / MMR
Date 10/23/07
Weather 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]*
1020	100	1.10	~~17.~~	17.58	6.23	1.829	39	8.71	-108.6
1025	100	1.23		17.56	6.23	1.829	34	8.68	-114.0
1030	100	1.36		17.53	6.23	1.827	33	8.67	-110.7
1035	100	1.49		17.50	6.22	1.827	33	8.66	-113.5
1040	→	Sampled @ 1040				←			

* 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

→ Final depth to water 8.66 @ 1057

GROUNDWATER SAMPLING LOG

Well No. GMA 1-13
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield/GMA-1
Sampling Personnel GAR
Date 10/12/07
Weather Overcast, rain, windy, 50's

Sample Time 15:10
Sample ID GMA1-13
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +1.8' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 15'-25' Meas. From Ground
Water Table Depth 19.21' Meas. From TIC
Well Depth 26.95' Meas. From TIC
Length of Water Column 7.74
Volume of Water in Well 1.26 gallons
Intake Depth of Pump/Tubing 23'1" 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)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 13:40
Pump Stop Time 15:30
Minutes of Pumping 110
Volume of Water Removed 3.0 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-556 MPS 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]*
13:45	100 ml	0.13	19.19	—	—	—	50	—	—
13:55	100 ml	0.40	19.20	—	—	—	51	—	—
14:05	100 ml	0.66	19.21	—	—	—	37	—	—
14:15	100 ml	0.92	19.19	12.27	7.05	0.940	22	16.30	159.6
14:20	100 ml	1.06	19.19	11.92	7.08	0.953	20	15.40	155.1
14:25	100 ml	1.19	19.19	11.78	7.07	0.963	17	9.30	150.8
14:30	100 ml	1.32	19.20	11.82	7.09	0.970	13	5.43	145.5
14:35	100 ml	1.45	19.20	11.99	7.08	0.975	13	4.00	140.7

* 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

Initial Purge: Light-brown, odorless
Final Purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: Fed-Ex.
Airbill #: —

Field Sampling Coordinator:

Well No. GMA1-13

Site Name GE Pitts field / GMA-1

Sampling Personnel GAR

Date 10/12/07

Weather Overcast, windy, 50°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]*
14:40	100 ml	1.59	19.20	11.91	7.09	0.982	10	3.13	137.7
14:45	100 ml	1.72	19.19	11.94	7.06	0.986	9	2.78	135.2
14:50	100 ml	1.85	19.20	12.04	7.07	0.990	8	2.02	132.5
14:55	100 ml	1.98	19.19	12.05	7.10	0.993	8	1.71	130.9
15:00	100 ml	2.11	19.21	12.15	7.09	0.994	8	1.64	129.6
15:05	100 ml	2.25	19.19	12.09	7.08	1.000	7	1.62	128.4

* 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. GMA1-18
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield/GMA 1
Sampling Personnel EIC, MMP
Date 10/22/07
Weather 60's Sunny

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 4-14 Meas. From Ground
Water Table Depth 8.70 Meas. From TIC
Well Depth 13.56 Meas. From TIC
Length of Water Column 4.86
Volume of Water in Well 0.79 gallon
Intake Depth of Pump/Tubing 10.5 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 ~~1644~~ 1625
Sample ID GMA1-18
Duplicate ID —
MS/MSD —
Split Sample ID ____

Required	Analytical Parameters:	Collected
~~(X)~~ (P)	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 1440
Pump Stop Time 1640
Minutes of Pumping 120
Volume of Water Removed 3.25 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (✓)
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-556 MPS Hach 2100 P Turbidimeter

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]*
1450	~~250~~ 150	0.40	NA	—	—	—	19	—	—
1455	150	0.60		—	—	—	—	—	—
1500	100	0.73		19.89	7.59	1.213	192	14.14	127.8
1505	100	0.86		19.79	7.60	1.199	145	14.33	131.8
1510	100	0.99		—	—	—	87	—	—
1512	100	1.12		—	—	—	63	—	—
1520	100	1.25		—	—	—	48	—	—
1525	100	1.38		19.07	7.64	1.163	38	8.02	29.2

* 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

* discontinued from YSI due to turbidity
Can't read water levels because of bladder pump

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA1-48

Site/GMA Name GCP Hasfield / GMA 1
Sampling Personnel KLC / CMR
Date 10/22/07
Weather Sunny 60s

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]*
1530	100	1.51	NA	18.90	7.68	1.158	26	11.22	68.5
1535	100	1.64		18.81	7.80	1.155	24	10.65	63.5
1540	100	1.77		18.63	7.85	1.150	18	6.87	0.3
1545	100	1.90		18.52	7.87	1.148	13	6.58	-10.7
1550	100	2.03		18.75	7.89	1.146	11	5.97	-20.1
1555	100	2.16		18.97	7.86	1.148	9	5.84	-24.3
1600	100	2.29		19.07	7.85	1.149	7	5.83	-27.0
1605	100	2.42		18.58	7.85	1.148	5	6.30	-27.3
1610	100	2.55		18.37	7.87	1.150	4	5.92	-28.4
1615	100	2.68		18.62	7.91	1.152	3	5.78	-29.3
1620	100	2.81		18.62	7.93	1.152	4	5.76	-30.3
1625	↑	Sampled @ 1625							

* 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

Fixed depth to rock = 9.57'

GROUNDWATER SAMPLING LOG

Well No. ~~MW~~ GMA1-25
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel JCS
Date 10/18/07
Weather Overcast; 75°F; slight breeze

Sample Time 1485
Sample ID GMA1-25
Duplicate ID GMA1-DUP-2
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point — Meas. From —
Well Diameter 2"
Screen Interval Depth 5-15' Meas. From Ground
Water Table Depth 14.08 Meas. From TIC
Well Depth 17.18' Meas. From TIC
Length of Water Column 3.10'
Volume of Water in Well 0.51 gallon
Intake Depth of Pump/Tubing 13 Meas. From TIC

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

Redeveloped? Y (N)

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(6)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(4)
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(2)
( )	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 1350
Pump Stop Time 1510
Minutes of Pumping 80
Volume of Water Removed 4.25 gallons
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 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]*
							38		
1355	200	initial	14.11						
1400	200	0.25	14.12	13.83	10.58	0.616	34	2.45	-66.9
1405	200	0.50	14.12	13.27	11.09	0.609	34 14	0.93	-86.8
1410	200	1.00	13.26 → 14.12	11.03	0.607	9	0.77	-80.2	
1415	200	1.50	14.12	13.52	10.89	0.607	8	0.73	-74.0
1420	200	2.00	14.12	13.55	10.84	0.606	7	0.70	-85.5
1425	200	2.50	14.12	13.53	10.83	0.607	6	0.64	-80.5
1430	200	3.00	14.12	13.45	10.89	0.608	6	0.62	-79.4

* 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 (1) well damaged or installed at an angle - bladder pump cannot be lowered into well - using peristaltic. (2) sunlight striking flow through cell affecting temperature - attempting to shield cell. pH - checked out O.K. with calibration solution

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

C:\WORK\GE\Groundwater\554199\Attachment\0-2

GROUNDWATER SAMPLING LOG

Well No. GMA1-27
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield/GMA 1
Sampling Personnel KLC
Date 10/18/07
Weather Humid, overcast + 60°

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 4-14' Meas. From Ground
Water Table Depth 9.78 Meas. From TIC
Well Depth 16.45 Meas. From TIC
Length of Water Column 6.67'
Volume of Water in Well 1.09 gallons
Intake Depth of Pump/Tubing ~10 Meas. From TC

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

Redevelop? Y (N)

Sample Time 15:15
Sample ID GMA1-27
Duplicate ID —
MS/MSD GMA1-27/MS/MSD
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 ~~1550~~ 1355
Pump Stop Time 1600
Minutes of Pumping 125
Volume of Water Removed 7.0 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-556 MPS 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]*
1400 ~~1555~~	450	0.59	—	—	—	—	—	—	—
1405 ~~1600~~	250	0.92	—	—	—	—	608	—	—
1410	200	1.18	9.84	—	—	—	29.3	—	—
1415	↓	1.44	9.82	—	—	—	103	—	—
1420		1.70	9.80	—	—	—	56	—	—
1425		1.96	9.80	14.28	7.62	0.735	41	14.06	-82.7
1430		2.22	9.80	14.03	7.72	0.730	35	11.67	-76.5
1435	↓	2.48	9.80	14.05	7.67	0.722	26	4.31	-74.0

* 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

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. GMA1-27

Site/GMA Name GE Pittsfield/GMA1
Sampling Personnel KIC
Date 10/18/07
Weather Humid/overcast 60°

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]*
~~1445~~	X	X	X	X	X	X	X	X	X
~~1445~~	X	X	~~21.90~~	X	X	X	X	X	X
1440	200	2.74	9.80	14.01	7.67	.720	20	3.78	-72.7
1445	↓	3.00	9.80	14.05	7.67	.717	23	3.60	-71.5
1450		3.26	9.80	14.01	7.66	.712	18	3.44	-67.5
1455		3.52	9.80	13.98	7.60	.701	19	☆5.175	-65.5
1500		3.78	9.80	13.97	7.62	.699	18	12.30	-65.6
1505		4.04	9.80	13.98	7.59	.691	16	2.78	-67.6
1510		4.30	9.80	13.98	7.58	.690	17	2.61	-67.5
1515	→ Sampled at 1515 ←								

* 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

~~1440 initial depth to water: 21.25, bottom = 23.86~~

Pump started ~~Sampled at 1850~~

☆ YSI shut off, sensor was stabilizing for 10 minutes

GROUNDWATER SAMPLING LOG

Well No. HR-G3-MW-1
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield / GMA1
Sampling Personnel KIC
Date 10/25/07
Weather 55 Sunny

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 4-14' Meas. From Ground
Water Table Depth 15.33 Meas. From TIC
Well Depth 17.72 Meas. From TIC
Length of Water Column 2.39'
Volume of Water in Well 0.39 gallon
Intake Depth of Pump/Tubing ~16.5' Meas. From TIC

Sample Time 1210
Sample ID HR-G3-MW-1
Duplicate ID —
MS/MSD ____
Split Sample ID —

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)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 1110
Pump Stop Time 1220
Minutes of Pumping 70
Volume of Water Removed 1.20 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-556 MPS 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]*
1115	125	0.17	NA	—	—	—	297	—	—
1120	100	0.30		—	—	—	72	—	—
1125	100	0.43		—	—	—	27	—	—
1130	100	0.56		14.42	6.60	1.722	13	3.07	-94.5
1135	100	0.69		14.37	6.55	1.713	11	1.45	-96.9
1140	100	0.82		14.39	6.64	1.709	9	1.24	-94.7
1145	150	1.02		14.45	6.66	1.708	7	0.97	-92.2
1150	100	1.15		14.50	6.66	1.710	9	0.83	-91.7

* 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

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. HR-G3-MW-1

Site/GMA Name

Sampling Personnel

Date

Weather

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]*
1155	100	1.28	NA	14.47	6.04	1.7320	3	0.62	-89.5
1200	100	1.41	NA	14.48	6.04	1.730	2	0.61	-89.5
1205	125	1.58	NA	14.41	6.06	1.734	2	0.59	-89.8
1210	→	Sample		6	1210				

* 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. LS-29
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield / GMA1
Sampling Personnel KIC
Date 10/25/07
Weather Sunny 60

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ______ Meas. From ______
Well Diameter 2"
Screen Interval Depth 24.6 - 34.6 Meas. From Ground
Water Table Depth 18.57 Meas. From TIC
Well Depth 38.1 Meas. From TIC
Length of Water Column 19.53'
Volume of Water in Well 3.19 gallons
Intake Depth of Pump/Tubing 26' 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 1800
Sample ID LS-29
Duplicate ID
MS/MSD
Split Sample ID

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 1655
Pump Stop Time 1800
Minutes of Pumping 75
Volume of Water Removed 4.0 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS 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]*
1700	200	0.26	18.60	—	—	—	21	—	—
1705	|	0.52	18.60	13.21	12.16	0.286	21	9.11	25.2
1710		0.78	18.59	12.58	10.57	0.286	20	7.58	17.0
1715		1.04	18.58	12.26	10.34	0.292	18	6.70	11.9
1720		1.30	18.58	12.27	10.16	0.283	18	6.45	11.7
1725		1.56	18.58	11.80	7.96	0.512	29	5.41	21.7
1730		1.82	18.58	11.59	7.26	0.566	34	4.51	26.8
1735	↓	2.08		11.59	6.83	0.607	29	3.67	39.8

* 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

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 25-29

Site/GMA Name GE Pittsfield / GMA1

Sampling Personnel KJC / JF

Date 10/25/07

Weather Sunny 40'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]*
1740	200	2.34	18.58	11.56	6.74	0619	30	3.44	45.8
1745	↓	2.60	18.58	11.45	6.66	0.628	28	3.34	51.3
1750	↓	2.86	18.55	11.33	6.63	0.632	28	3.30	56.0
1755	↓	3.12	18.58	11.23	6.61	0635	28	3.28	60.2
Sampled @		1800							

* 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

GE Pittsfield/

Well No. LSSC-085
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 1
Sampling Personnel KLC, JS
Date 10/17/07
Weather Sunny 50's.

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 5-15' Meas. From Ground
Water Table Depth 13.21 Meas. From TIC
Well Depth 14.60 Meas. From TIC
Length of Water Column 1.39'
Volume of Water in Well [redacted] 0.23 gallon
Intake Depth of Pump/Tubing ~~14.60~~ 14.0 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 1025
Sample ID ~~LSSC-085~~ LSSC-085
Duplicate ID ~~DUP-1~~
MS/MSD — GMA1-DUP-1
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 0935
Pump Stop Time 1020
Minutes of Pumping 55
Volume of Water Removed 3.0 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS 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]*
0935	200	—		—	—	—	588	—	—
0940	200	0.26		—	—	—	14	—	—
☆☆ 0945		0.53		—	—	—	—	—	—
0950		0.79		13.70	7.76	2.236	10	8.50	-38.9
0955		1.06		13.67	7.63	2.288	8	7.07	-42.0
1000		1.32		13.69	7.43	2.299	7	7.42	-40.0
1005		1.59		13.66	7.40	2.304	7	7.75	-40.8
1010	↓	1.85	↓	13.70	7.32	2.306	6	~~7~~ 6.62	-39.9

* 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
Strong odor, and black particulates in water @ initial purge.

☆water level at a depth such ~~that~~ that the Pump top is above water table.

SAMPLE DESTINATION
Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

☆☆ Hooked up YSI

GROUNDWATER SAMPLING LOG

Well No. LSSC-08S

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel KIC / JS
Date 10/17/07
Weather Sunny 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]*
1015	200	2.11		13.70	7.28	2.314	6	6.60	-40.0
1020	200	2.38		13.66	7.33	2.321	6	6.68	-39.0

* 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. 1SSC-16S
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield/GMA 1
Sampling Personnel RC/JS
Date 10/17/07
Weather Sunny 60's

Sample Time 16.35
Sample ID 1SSC-16S
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point _____ Meas. From _____
Well Diameter 2"
Screen Interval Depth 5-15' Meas. From Ground
Water Table Depth 10.63 Meas. From TIC
Well Depth 13.70 Meas. From TIC
Length of Water Column 3.13'
Volume of Water in Well 0.53 gallon
Intake Depth of Pump/Tubing ~13 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 1520
Pump Stop Time 1640
Minutes of Pumping 80m.
Volume of Water Removed 3.75 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Perstaltic 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-556 MPS 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]*
initial	25	—	—	—	—	—	663	—	—
1525	100	<0.25	—	—	—	—	624	—	—
1530	100	0.25	—	—	—	—	377	—	—
1535	250	0.75	—	—	—	—	164	—	—
1540	150	1.00	—	—	—	—	109	—	—
1545	125	~1.50	—	—	—	—	52	—	—
1550	125	2.00	—	—	—	—	29	—	—
1555	125	2.25	—	14.25	8.16	1.235	18	1.84	69.0

* 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, water gray and turbid.
→ water level below the top of the bladder pump

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. LSSC-165

Site/GMA Name GC Pittfield/GMA 1
Sampling Personnel KLC/JS
Date 10/17/01
Weather Sunny 60'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]*
1600	150	2.50	—	14.17	8.20	1.232	14	1.83	68.6
1605	150	2.75	—	14.05	8.16	1.227	9	1.83	69.8
1610	150	~3.0	—	13.97	8.11	1.224	6	1.80	71.4
1615	150	~3.0	—	13.86	7.96	1.222	5	1.76	74.0
1620	150	3.0	—	13.76	7.91	1.225	3	1.73	75.5
1625	150	~3.25	—	13.72	7.86	1.226	3	1.68	77.1
1630	150	3.50	—	13.69	7.81	1.226	2	1.71	77.8
* Sampled at 1635									

* 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. LSSC-18
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield/GMA 1
Sampling Personnel KIC/mmR
Date 10/25/07
Weather Sunny Mid 60's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 9'-19' Meas. From Ground
Water Table Depth 19.55 Meas. From TIC
Well Depth 22.3 Meas. From TIC
Length of Water Column 3.35'
Volume of Water in Well 0.51 gallon
Intake Depth of Pump/Tubing 21' 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 1725
Sample ID LSSC-18
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 1637
Pump Stop Time ~~1730~~ 17:40
Minutes of Pumping ~~67~~ ~~53~~ 63
Volume of Water Removed 1.75 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-556 MPS 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]*
1640	100	0.09	NA	—	—	—	44	—	—
1645	100	0.49	↓	~~15.17~~	~~7.67~~	~~0.934~~	16	—	—
1650	100	0.62	↓	15.18	7.67	0.934	10	14.04	-102.3
1655	125	0.79	↓	14.66	7.82	0.925	6	9.12	-98.3
1700	100	0.92	↓	14.06	7.77	0.921	5	5.48	-94.8
1705	100	1.05	↓	13.62	7.72	0.922	3	2.81	-92.1
1710	100	1.18	↓	13.20	7.71	0.925	2	1.17	-90.4
1715	100	1.31	↓	12.45	7.67	0.928	2	0.79	-87.4

* 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 - Minimal odor, clear water - Hooked up the YSI @ 1645
* Water level below top of bladder pump.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. LSSC-18

Site/GMA Name GE Pittsfield/GMA 1
Sampling Personnel KIC/MMR
Date 10/25/07
Weather Sunny, Mid 60'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]*
1720	100	1.44	NA	12.80	7.74	0.931	2	0.89	-87.2
1725	100	1.57	NA	12.59	7.74	0.927	1	0.80	-86.4

* 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 - Begin sampling @ 1725 - Finish collecting groundwater @ 1415

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel KLC / JSS
Date 10/17/07
Weather Sunny 60's

Sample Time 1220
Sample ID MW-4R
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 9-14 Meas. From Ground
Water Table Depth 10.40 Meas. From TIC
Well Depth 14.05 Meas. From TIC
Length of Water Column 3.65'
Volume of Water in Well 0.60 gallon
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
(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 1115
Pump Stop Time 1225
Minutes of Pumping 70
Volume of Water Removed 3.75 gallons
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: 23CD392 AE YSI 556 MPS 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]*
1120	200	0.26	10.70	—	—	—	13	—	—
1125		0.53	10.72	—	—	—	4	—	—
1130		0.79	10.76	15.67	10.10	1.255	7	1.272	-55.7
1135		1.06	10.77	14.80	10.85	1.244	2	1.246	-55.9
1140		1.32	10.79	14.73	11.05	1.234	2	1.234	-60.6
1145		1.59	10.80	14.76	11.24	1.230	2	0.56	-62.8
1150		1.85	10.80	15.01	11.24	1.229	1	0.49	-67.6
1155	V	2.11	10.80	14.90	9.22	1.231	2	0.49	-65.1

* 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
* Checked out pH on the meter and it was good, pH is high at this well

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. MW-4R

Site/GMA Name GE Pittsfield / GMA 1
Sampling Personnel KIC / JS
Date 10/17/07
Weather Sunny 60'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]*
1200	200	2.38	10.80	14.79	9.05	1.229	2	0.48	-67.1
1205	↓	2.64	10.80	14.77	8.80	1.230	1	0.45	-64.3
1210	↓	2.91	10.80	14.74	10.66	1.229	2	0.47	-70.1
1215	↓	3.17	10.80	14.74	11.63	1.229	1	0.49	-68.9
1220	↓	3.43	10.80	14.80	11.72	1.229	2	0.50	-70.6
Sampled @ 1220									

* 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. N25C-075
Key No. 2537
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield / GMA-1
Sampling Personnel GAR
Date 12/4/07
Weather Overcast, 20°F, Winds 15-20 mph

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.30 Meas. From Ground
Well Diameter 2"
Screen Interval Depth 8.9'-18.9' Meas. From Ground
Water Table Depth 11.04' Meas. From TIC
Well Depth 19.12' Meas. From TIC
Length of Water Column 8.08'
Volume of Water in Well 1.32 gallons
Intake Depth of Pump/Tubing 15.1' 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 16:30
Sample ID N25C-075
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 15:25
Pump Stop Time 16:40
Minutes of Pumping 75
Volume of Water Removed 2.0 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS 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]*
15:30	100ml	0.13	11.05	—	—	—	6	—	—
15:40	100ml	0.40	11.04	8.36	7.07	0.743	3	3.25	-10.8
15:45	100ml	0.53	11.04	8.35	7.11	0.745	2	1.44	-22.7
15:50	100ml	0.66	11.04	8.27	7.13	0.748	1	1.46	-34.2
15:55	100ml	0.79	11.04	8.24	7.14	0.752	1	1.09	-39.7
16:00	100ml	0.92	11.04	8.17	7.12	0.754	1	0.97	-44.9
16:05	100ml	1.06	11.04	8.13	7.15	0.752	1	0.89	-49.2
16:10	100ml	1.19	11.04	8.04	7.16	0.752	0	0.83	-52.2

* 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, odorless
Final Purge: Clear, odorless
Note: Blockage at the top of the wells can't get bladder pump into the well, will use peristaltic pump

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. NZSC-073

Site/GMA Name GE Pittsfield / GMA-1
Sampling Personnel GAR
Date 12/4/07
Weather Overcast, 20°F, Winds 15-20 mph

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]*
16:15	100ml	1.32	11.04	7.82	7.17	0.752	0	0.73	-55.2
16:20	100ml	1.45	11.04	7.84	7.17	0.752	0	0.66	-58.0
16:25	100ml	1.59	11.04	7.97	7.17	0.748	0	0.65	-60.0

* 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. RF-02
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 1
Sampling Personnel JAP
Date 10/12/07
Weather Overcast, rainy

Sample Time 1225
Sample ID RF-02
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.1' Meas. From GROUND
Well Diameter 4"
Screen Interval Depth 3-18 Meas. From BGS
Water Table Depth 7.00 Meas. From TIC
Well Depth 18.25 Meas. From TIC
Length of Water Column 11.25
Volume of Water in Well 7.34 gallons
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)	( )
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	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 1138
Pump Stop Time 1230
Minutes of Pumping 52
Volume of Water Removed ~7.5 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump2
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #2 (03C392) / HACH TURBIDIMETER S/N: 020200025316

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. °C (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]*
1138	150	—	7.10	—	—	—	9	—	—
1148	100	0.265	7.10	12.18	7.06	1.401	1	5.19	34.2
1153	100	0.397	7.10	12.23	7.05	1.414	1	1.71	13.7
1158	100	0.529	7.10	12.24	7.03	1.413	1	1.25	7.4
1203	100	0.661	7.10	12.33	7.03	1.410	1	1.04	5.0
1208	100	0.793	7.10	12.34	7.02	1.408	1	0.93	1.5
1211	100	0.872	7.10	12.32	7.02	1.407	1	0.88	0.6
1214	100	0.951	7.10	12.31	7.02	1.405	1	0.80	-0.7

* 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 —

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: Fed-Ex
Airbill #: —

Field Sampling Coordinator:

Well No. RF-02

Site Name GMA 1

Sampling Personnel JAP

Date 10/12/07

Weather overcast, windy, raining, 60's °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]*
1217	100	1.03	7.10	12.43	7.02	1.404	1	0.77	-1.6
1220	100	1.11	7.10	12.33	7.02	1.407	1	0.82	-2.5

* 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

ARCADIS

Appendix B

Groundwater Analytical Results

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	30s Complex	East St. Area 1 - North	East St. Area 1 - South	
Sample ID:	RF-02	ESA1N-52	139R	72R
Parameter Date Collected:	10/12/07	10/18/07	10/23/07	10/23/07
Volatile Organics				
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,1,1-Trichloroethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,1,2-Trichloroethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,2,3-Trichloropropane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,2-Dibromo-3-chloropropane	NA	NA	NA	ND(0.0050) J [ND(0.0050) J]
1,2-Dibromoethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,2-Dichloroethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,2-Dichloropropane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,4-Dioxane	NA	NA	NA	ND(0.10) J [ND(0.10) J]
2-Butanone	NA	NA	NA	ND(0.0050) J [ND(0.0050) J]
2-Chloro-1,3-butadiene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
2-Chloroethylvinylether	NA	NA	NA	R [ND(0.013) J]
2-Hexanone	NA	NA	NA	ND(0.0050) [ND(0.0050)]
3-Chloropropene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
4-Methyl-2-pentanone	NA	NA	NA	ND(0.0050) [ND(0.0050)]
Acetone	NA	NA	NA	ND(0.0050) J [ND(0.0050) J]
Acetonitrile	NA	NA	NA	ND(0.020) J [ND(0.020) J]
Acrolein	NA	NA	NA	ND(0.025) J [ND(0.025) J]
Acrylonitrile	NA	NA	NA	ND(0.025) J [ND(0.025) J]
Benzene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Bromodichloromethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Bromoform	NA	NA	NA	ND(0.0010) J [ND(0.0010) J]
Bromomethane	NA	NA	NA	ND(0.0010) J [ND(0.0010) J]
Carbon Disulfide	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Carbon Tetrachloride	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Chlorobenzene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Chloroethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Chloroform	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Chloromethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
cis-1,3-Dichloropropene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Dibromochloromethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Dibromomethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Dichlorodifluoromethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Ethyl Methacrylate	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Ethylbenzene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Iodomethane	NA	NA	NA	ND(0.0010) J [ND(0.0010) J]
Isobutanol	NA	NA	NA	ND(0.050) J [ND(0.050) J]
Methacrylonitrile	NA	NA	NA	ND(0.010) [ND(0.010)]
Methyl Methacrylate	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Methylene Chloride	NA	NA	NA	ND(0.0050) [ND(0.0050)]
Propionitrile	NA	NA	NA	ND(0.020) J [ND(0.020) J]
Styrene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Tetrachloroethene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Toluene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
trans-1,3-Dichloropropene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND(0.0050) [ND(0.0050)]
Trichloroethene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Trichlorofluoromethane	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Vinyl Acetate	NA	NA	NA	ND(0.0025) [ND(0.0025)]
Vinyl Chloride	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Xylenes (total)	NA	NA	NA	ND(0.0010) [ND(0.0010)]
Total VOCs	NA	NA	NA	ND(0.10) [ND(0.10)]

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	30s Complex	East St. Area 1 - North	East St. Area 1 - South	
Sample ID:	RF-02	ESA1N-52	139R	72R
Parameter Date Collected:	10/12/07	10/18/07	10/23/07	10/23/07
PCBs-Filtered				
Aroclor-1016	ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Aroclor-1221	ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Aroclor-1232	ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Aroclor-1242	ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Aroclor-1260	ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,2-Dichlorobenzene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,2-Diphenylhydrazine	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,3-Dinitrobenzene	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	ND(0.0010) [ND(0.0010)]
1,4-Naphthoquinone	NA	NA	NA	NA
1-Naphthylamine	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA
2,6-Dichlorophenol	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA
2-Acetylaminofluorene	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA
2-Naphthylamine	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA
2-Picoline	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA
3,3'-Dimethylbenzidine	NA	NA	NA	NA
3-Methylcholanthrene	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA
4-Aminobiphenyl	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA
4-Chlorobenzilate	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA
4-Nitroquinoline-1-oxide	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	30s Complex	East St. Area 1 - North	East St. Area 1 - South	
Sample ID:	RF-02	ESA1N-52	139R	72R
Parameter Date Collected:	10/12/07	10/18/07	10/23/07	10/23/07
Semivolatile Organics (continued)				
4-Phenylenediamine	NA	NA	NA	NA
5-Nitro-o-toluidine	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	NA	NA	NA	NA
a,a'-Dimethylphenethylamine	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA
Aniline	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA
Aramite	NA	NA	NA	NA
Benzidine	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA
Benzyl Alcohol	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA
Diallate	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	NA
Dimethylphthalate	NA	NA	NA	NA
Di-n-Butylphthalate	NA	NA	NA	NA
Di-n-Octylphthalate	NA	NA	NA	NA
Diphenylamine	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA
Hexachlorophene	NA	NA	NA	NA
Hexachloropropene	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA
Isosafrole	NA	NA	NA	NA
Methapyrilene	NA	NA	NA	NA
Methyl Methanesulfonate	NA	NA	NA	NA
Naphthalene	NA	NA	NA	ND(0.00010) [ND(0.00010)]
Nitrobenzene	NA	NA	NA	NA
N-Nitrosodiethylamine	NA	NA	NA	NA
N-Nitrosodimethylamine	NA	NA	NA	NA
N-Nitroso-di-n-butylamine	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA
N-Nitrosomethylethylamine	NA	NA	NA	NA
N-Nitrosomorpholine	NA	NA	NA	NA
N-Nitrosopiperidine	NA	NA	NA	NA
N-Nitrosopyrrolidine	NA	NA	NA	NA
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA
o-Toluidine	NA	NA	NA	NA
p-Dimethylaminoazobenzene	NA	NA	NA	NA
Pentachlorobenzene	NA	NA	NA	NA
Pentachloroethane	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	30s Complex	East St. Area 1 - North	East St. Area 1 - South	
Sample ID:	RF-02	ESA1N-52	139R	72R
Parameter Date Collected:	10/12/07	10/18/07	10/23/07	10/23/07
Semivolatile Organics (continued)				
Pentachloronitrobenzene	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA
Phenacetin	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA
Phenol	NA	NA	NA	NA
Pronamide	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA
Pyridine	NA	NA	NA	NA
Safrole	NA	NA	NA	NA
Thionazin	NA	NA	NA	NA
Inorganics-Filtered				
Antimony	NA	NA	NA	ND(0.0400) [ND(0.0400)]
Arsenic	NA	NA	NA	ND(0.0100) [ND(0.0100)]
Barium	NA	NA	NA	0.0309 B [0.0302 B]
Beryllium	NA	NA	NA	ND(0.0100) [0.0100]
Cadmium	NA	NA	NA	ND(0.00500) [ND(0.00500)]
Chromium	NA	NA	NA	ND(0.0100) [ND(0.0100)]
Cobalt	NA	NA	NA	ND(0.0100) [ND(0.0100)]
Copper	NA	NA	NA	0.0260 J [ND(0.0100) J]
Cyanide-MADEP (PAC)	NA	NA	NA	ND(0.00600) [ND(0.00600)]
Lead	NA	NA	NA	ND(0.0100) [ND(0.0100)]
Mercury	NA	NA	NA	ND(0.000570) [ND(0.000570)]
Nickel	NA	NA	NA	ND(0.0500) J [ND(0.0500) J]
Selenium	NA	NA	NA	ND(0.0200) J [ND(0.0200) J]
Silver	NA	NA	NA	ND(0.0100) [ND(0.0100)]
Thallium	NA	NA	NA	ND(0.0100) J [ND(0.0100) J]
Tin	NA	NA	NA	ND(0.100) [ND(0.100)]
Vanadium	NA	NA	NA	ND(0.0500) [ND(0.0500)]
Zinc	NA	NA	NA	0.00558 B [ND(0.0500)]

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	East St. Area 1 - South		East St. Area 2 - North		East St. Area 2 - South
Sample ID:	GMA1-18	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter Date Collected:	10/22/07	10/23/07	10/19/07	10/19/07	12/04/07
Volatile Organics					
1,1,1,2-Tetrachloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1,1-Trichloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1,2,2-Tetrachloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1,2-Trichloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1-Dichloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1-Dichloroethene	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2,3-Trichloropropane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2-Dibromo-3-chloropropane	NA	ND(0.0050) J	NA	NA	ND(1.0) J
1,2-Dibromoethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2-Dichloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2-Dichloropropane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,4-Dioxane	NA	ND(0.10) J	NA	NA	ND(20) J
2-Butanone	NA	ND(0.0050) J	NA	NA	ND(1.0) J
2-Chloro-1,3-butadiene	NA	ND(0.0010)	NA	NA	ND(0.20)
2-Chloroethylvinylether	NA	ND(0.013) J	NA	NA	ND(2.5) J
2-Hexanone	NA	ND(0.0050)	NA	NA	ND(1.0)
3-Chloropropene	NA	ND(0.0010)	NA	NA	ND(0.20)
4-Methyl-2-pentanone	NA	ND(0.0050)	NA	NA	ND(1.0)
Acetone	NA	0.0047 J	NA	NA	ND(1.0)
Acetonitrile	NA	ND(0.020) J	NA	NA	ND(4.0) J
Acrolein	NA	ND(0.025) J	NA	NA	ND(5.0) J
Acrylonitrile	NA	ND(0.025) J	NA	NA	ND(5.0) J
Benzene	NA	ND(0.0010)	NA	NA	ND(0.20)
Bromodichloromethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Bromoform	NA	ND(0.0010) J	NA	NA	ND(0.20)
Bromomethane	NA	ND(0.0010) J	NA	NA	ND(0.20)
Carbon Disulfide	NA	ND(0.0010)	NA	NA	ND(0.20)
Carbon Tetrachloride	NA	ND(0.0010)	NA	NA	ND(0.20)
Chlorobenzene	NA	0.00014 J	NA	NA	0.79
Chloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Chloroform	NA	ND(0.0010)	NA	NA	ND(0.20)
Chloromethane	NA	ND(0.0010)	NA	NA	ND(0.20)
cis-1,3-Dichloropropene	NA	ND(0.0010)	NA	NA	ND(0.20)
Dibromochloromethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Dibromomethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Dichlorodifluoromethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Ethyl Methacrylate	NA	ND(0.0010)	NA	NA	ND(0.20)
Ethylbenzene	NA	ND(0.0010)	NA	NA	ND(0.20)
Iodomethane	NA	ND(0.0010) J	NA	NA	ND(0.20)
Isobutanol	NA	ND(0.050) J	NA	NA	ND(10) J
Methacrylonitrile	NA	ND(0.010)	NA	NA	ND(2.0)
Methyl Methacrylate	NA	ND(0.0010)	NA	NA	ND(0.20)
Methylene Chloride	NA	ND(0.0050)	NA	NA	ND(1.0)
Propionitrile	NA	ND(0.020) J	NA	NA	ND(4.0) J
Styrene	NA	ND(0.0010)	NA	NA	ND(0.20)
Tetrachloroethene	NA	ND(0.0010)	NA	NA	ND(0.20)
Toluene	NA	ND(0.0010)	NA	NA	ND(0.20)
trans-1,2-Dichloroethene	NA	ND(0.0010)	NA	NA	ND(0.20)
trans-1,3-Dichloropropene	NA	ND(0.0010)	NA	NA	ND(0.20)
trans-1,4-Dichloro-2-butene	NA	ND(0.0050)	NA	NA	ND(1.0)
Trichloroethene	NA	ND(0.0010)	NA	NA	ND(0.20)
Trichlorofluoromethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Vinyl Acetate	NA	ND(0.0025)	NA	NA	ND(0.50)
Vinyl Chloride	NA	ND(0.0010)	NA	NA	ND(0.20)
Xylenes (total)	NA	ND(0.0010)	NA	NA	ND(0.20)
Total VOCs	NA	0.0048 J	NA	NA	0.79

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	East St. Area 1 - South		East St. Area 2 - North		East St. Area 2 - South
Sample ID:	GMA1-18	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter Date Collected:	10/22/07	10/23/07	10/19/07	10/19/07	12/04/07
PCBs-Filtered					
Aroclor-1016	ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1221	ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1232	ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1242	ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1248	ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1254	ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1260	ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Total PCBs	ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	ND(0.0010)	NA	NA	0.18 J
1,2-Dichlorobenzene	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	ND(0.0010)	NA	NA	1.0
1,3-Dinitrobenzene	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	0.0011	NA	NA	5.8
1,4-Naphthoquinone	NA	NA	NA	NA	NA
1-Naphthylamine	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA
2,6-Dichlorophenol	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA
2-Acetylaminofluorene	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA
2-Naphthylamine	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA
2-Picoline	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	NA	NA	NA	NA	NA
3-Methylcholanthrene	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA
4-Aminobiphenyl	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA
4-Chlorobenzilate	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA
4-Nitroquinoline-1-oxide	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	East St. Area 1 - South		East St. Area 2 - North		East St. Area 2 - South
Sample ID:	GMA1-18	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter Date Collected:	10/22/07	10/23/07	10/19/07	10/19/07	12/04/07
Semivolatile Organics (continued)					
4-Phenylenediamine	NA	NA	NA	NA	NA
5-Nitro-o-toluidine	NA	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	NA	NA	NA	NA	NA
a,a'-Dimethylphenethylamine	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA
Aramite	NA	NA	NA	NA	NA
Benzidine	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA
Benzyl Alcohol	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA
Diallate	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	NA	NA
Dimethylphthalate	NA	NA	NA	NA	NA
Di-n-Butylphthalate	NA	NA	NA	NA	NA
Di-n-Octylphthalate	NA	NA	NA	NA	NA
Diphenylamine	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA
Hexachlorophene	NA	NA	NA	NA	NA
Hexachloropropene	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA
Isosafrole	NA	NA	NA	NA	NA
Methapyrilene	NA	NA	NA	NA	NA
Methyl Methanesulfonate	NA	NA	NA	NA	NA
Naphthalene	NA	ND(0.00010)	NA	NA	ND(0.020)
Nitrobenzene	NA	NA	NA	NA	NA
N-Nitrosodiethylamine	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	NA	NA	NA	NA	NA
N-Nitroso-di-n-butylamine	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA
N-Nitrosomethylethylamine	NA	NA	NA	NA	NA
N-Nitrosomorpholine	NA	NA	NA	NA	NA
N-Nitrosopiperidine	NA	NA	NA	NA	NA
N-Nitrosopyrrolidine	NA	NA	NA	NA	NA
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA	NA
o-Toluidine	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	NA	NA	NA	NA	NA
Pentachlorobenzene	NA	NA	NA	NA	NA
Pentachloroethane	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	East St. Area 1 - South		East St. Area 2 - North		East St. Area 2 - South
Sample ID:	GMA1-18	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter Date Collected:	10/22/07	10/23/07	10/19/07	10/19/07	12/04/07
Semivolatile Organics (continued)					
Pentachloronitrobenzene	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA
Phenacetin	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA
Pronamide	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA
Pyridine	NA	NA	NA	NA	NA
Safrole	NA	NA	NA	NA	NA
Thionazin	NA	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	East St. Area 2 - South					
Sample ID:	E2SC-23	E2SC-24	ES2-02A	ESA2S-64	GMA1-13	HR-G3-MW-1
Parameter Date Collected:	10/25/07	10/24/07	10/25/07	10/25/07	10/12/07	10/25/07
Volatile Organics						
1,1,1,2-Tetrachloroethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,1,1-Trichloroethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,1,2-Trichloroethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,1-Dichloroethane	NA	NA	ND(0.10)	0.022 J	NA	NA
1,1-Dichloroethene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,2,3-Trichloropropane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,2-Dibromo-3-chloropropane	NA	NA	ND(0.50) J	ND(0.40) J	NA	NA
1,2-Dibromoethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,2-Dichloroethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,2-Dichloropropane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
1,4-Dioxane	NA	NA	ND(10) J	ND(8.0) J	NA	NA
2-Butanone	NA	NA	ND(0.50) J	ND(0.40) J	NA	NA
2-Chloro-1,3-butadiene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
2-Chloroethylvinylether	NA	NA	ND(1.3) J	ND(1.0) J	NA	NA
2-Hexanone	NA	NA	ND(0.50)	ND(0.40)	NA	NA
3-Chloropropene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
4-Methyl-2-pentanone	NA	NA	ND(0.50)	ND(0.40)	NA	NA
Acetone	NA	NA	ND(0.50) J	ND(0.40) J	NA	NA
Acetonitrile	NA	NA	ND(2.0) J	ND(1.6) J	NA	NA
Acrolein	NA	NA	ND(2.5) J	ND(2.0) J	NA	NA
Acrylonitrile	NA	NA	ND(2.5) J	ND(2.0) J	NA	NA
Benzene	NA	NA	0.11	0.011 J	NA	NA
Bromodichloromethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Bromoform	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Bromomethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Carbon Disulfide	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Carbon Tetrachloride	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Chlorobenzene	NA	NA	2.1	0.39	NA	NA
Chloroethane	NA	NA	ND(0.10)	2.0	NA	NA
Chloroform	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Chloromethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
cis-1,3-Dichloropropene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Dibromochloromethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Dibromomethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Dichlorodifluoromethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Ethyl Methacrylate	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Ethylbenzene	NA	NA	0.026 J	0.11	NA	NA
Iodomethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Isobutanol	NA	NA	ND(5.0) J	ND(4.0) J	NA	NA
Methacrylonitrile	NA	NA	ND(1.0)	ND(0.80)	NA	NA
Methyl Methacrylate	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Methylene Chloride	NA	NA	0.022 J	0.031 J	NA	NA
Propionitrile	NA	NA	ND(2.0) J	ND(1.6) J	NA	NA
Styrene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Tetrachloroethene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Toluene	NA	NA	ND(0.10)	0.042 J	NA	NA
trans-1,2-Dichloroethene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
trans-1,3-Dichloropropene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
trans-1,4-Dichloro-2-butene	NA	NA	ND(0.50)	ND(0.40)	NA	NA
Trichloroethene	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Trichlorofluoromethane	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Vinyl Acetate	NA	NA	ND(0.25)	ND(0.20)	NA	NA
Vinyl Chloride	NA	NA	ND(0.10)	ND(0.080)	NA	NA
Xylenes (total)	NA	NA	0.012 J	0.24	NA	NA
Total VOCs	NA	NA	2.3	2.8 J	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	East St. Area 2 - South					
Sample ID:	E2SC-23	E2SC-24	ES2-02A	ESA2S-64	GMA1-13	HR-G3-MW-1
Parameter Date Collected:	10/25/07	10/24/07	10/25/07	10/25/07	10/12/07	10/25/07
PCBs-Filtered						
Aroclor-1016	ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1221	ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1232	ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1242	ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1248	ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1254	0.00081	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1260	0.00053	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Total PCBs	0.00134	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,3-Dinitrobenzene	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,4-Naphthoquinone	NA	NA	NA	NA	NA	NA
1-Naphthylamine	NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA
2,6-Dichlorophenol	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA
2-Acetylaminofluorene	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA	NA
2-Naphthylamine	NA	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA
2-Picoline	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	NA	NA	NA	NA	NA	NA
3-Methylcholanthrene	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA
4-Aminobiphenyl	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA
4-Chlorobenzilate	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA
4-Nitroquinoline-1-oxide	NA	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	East St. Area 2 - South					
Sample ID:	E2SC-23	E2SC-24	ES2-02A	ESA2S-64	GMA1-13	HR-G3-MW-1
Parameter Date Collected:	10/25/07	10/24/07	10/25/07	10/25/07	10/12/07	10/25/07
Semivolatile Organics (continued)						
4-Phenylenediamine	NA	NA	NA	NA	NA	NA
5-Nitro-o-toluidine	NA	NA	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	NA	NA	NA	NA	NA	NA
a,a'-Dimethylphenethylamine	NA	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA	NA
Aramite	NA	NA	NA	NA	NA	NA
Benzidine	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	NA
Benzyl Alcohol	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	NA
Diallate	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	NA	NA	NA
Dimethylphthalate	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	NA	NA	NA	NA	NA	NA
Diphenylamine	NA	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA
Hexachlorophene	NA	NA	NA	NA	NA	NA
Hexachloropropene	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA
Isosafrole	NA	NA	NA	NA	NA	NA
Methapyrilene	NA	NA	NA	NA	NA	NA
Methyl Methanesulfonate	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA
N-Nitrosodiethylamine	NA	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-butylamine	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA
N-Nitrosomethylethylamine	NA	NA	NA	NA	NA	NA
N-Nitrosomorpholine	NA	NA	NA	NA	NA	NA
N-Nitrosopiperidine	NA	NA	NA	NA	NA	NA
N-Nitrosopyrrolidine	NA	NA	NA	NA	NA	NA
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA	NA	NA
o-Toluidine	NA	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	NA	NA	NA	NA	NA	NA
Pentachlorobenzene	NA	NA	NA	NA	NA	NA
Pentachloroethane	NA	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	East St. Area 2 - South					
Sample ID:	E2SC-23	E2SC-24	ES2-02A	ESA2S-64	GMA1-13	HR-G3-MW-1
Parameter / Date Collected:	10/25/07	10/24/07	10/25/07	10/25/07	10/12/07	10/25/07
Semivolatile Organics (continued)						
Pentachloronitrobenzene	NA	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA	NA
Phenacetin	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA	NA
Pronamide	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA
Pyridine	NA	NA	NA	NA	NA	NA
Safrole	NA	NA	NA	NA	NA	NA
Thionazin	NA	NA	NA	NA	NA	NA
Inorganics-Filtered						
Antimony	NA	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Lyman Street Area				
Sample ID:	LS-29	LSSC-08S	LSSC-16S	LSSC-18	MW-4R
Parameter Date Collected:	10/25/07	10/17/07	10/17/07	10/25/07	10/17/07
Volatile Organics					
1,1,1,2-Tetrachloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,1,1-Trichloroethane	NA	NA	0.00014 J	NA	ND(0.0010)
1,1,2,2-Tetrachloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,1,2-Trichloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethane	NA	NA	ND(0.0010)	NA	0.00017 J
1,1-Dichloroethene	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,2,3-Trichloropropane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane	NA	NA	ND(0.0050) J	NA	ND(0.0050) J
1,2-Dibromoethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloropropane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,4-Dioxane	NA	NA	ND(0.10) J	NA	ND(0.10) J
2-Butanone	NA	NA	ND(0.0050) J	NA	ND(0.0050) J
2-Chloro-1,3-butadiene	NA	NA	ND(0.0010)	NA	ND(0.0010)
2-Chloroethylvinylether	NA	NA	ND(0.013) J	NA	ND(0.013) J
2-Hexanone	NA	NA	ND(0.0050)	NA	ND(0.0050)
3-Chloropropene	NA	NA	ND(0.0010)	NA	ND(0.0010)
4-Methyl-2-pentanone	NA	NA	ND(0.0050)	NA	ND(0.0050)
Acetone	NA	NA	ND(0.0050) J	NA	ND(0.0050) J
Acetonitrile	NA	NA	ND(0.020) J	NA	ND(0.020) J
Acrolein	NA	NA	ND(0.025) J	NA	ND(0.025) J
Acrylonitrile	NA	NA	ND(0.025) J	NA	ND(0.025) J
Benzene	NA	NA	ND(0.0010)	NA	0.0065
Bromodichloromethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Bromoform	NA	NA	ND(0.0010)	NA	ND(0.0010)
Bromomethane	NA	NA	ND(0.0010) J	NA	ND(0.0010) J
Carbon Disulfide	NA	NA	ND(0.0010)	NA	ND(0.0010)
Carbon Tetrachloride	NA	NA	ND(0.0010)	NA	ND(0.0010)
Chlorobenzene	NA	NA	ND(0.0010)	NA	ND(0.0010)
Chloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Chloroform	NA	NA	0.00081 J	NA	ND(0.0010)
Chloromethane	NA	NA	ND(0.0010)	NA	0.0014
cis-1,3-Dichloropropene	NA	NA	ND(0.0010)	NA	ND(0.0010)
Dibromochloromethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Dibromomethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Dichlorodifluoromethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Ethyl Methacrylate	NA	NA	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	NA	NA	ND(0.0010)	NA	ND(0.0010)
Iodomethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Isobutanol	NA	NA	ND(0.050) J	NA	ND(0.050) J
Methacrylonitrile	NA	NA	ND(0.010)	NA	ND(0.010)
Methyl Methacrylate	NA	NA	ND(0.0010)	NA	ND(0.0010)
Methylene Chloride	NA	NA	ND(0.0050)	NA	ND(0.0050)
Propionitrile	NA	NA	ND(0.020) J	NA	ND(0.020) J
Styrene	NA	NA	ND(0.0010)	NA	ND(0.0010)
Tetrachloroethene	NA	NA	0.0075	NA	ND(0.0010)
Toluene	NA	NA	ND(0.0010)	NA	0.00018 J
trans-1,2-Dichloroethene	NA	NA	ND(0.0010)	NA	0.00066 J
trans-1,3-Dichloropropene	NA	NA	ND(0.0010)	NA	ND(0.0010)
trans-1,4-Dichloro-2-butene	NA	NA	ND(0.0050)	NA	ND(0.0050)
Trichloroethene	NA	NA	0.0011	NA	ND(0.0010)
Trichlorofluoromethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Vinyl Acetate	NA	NA	ND(0.0025)	NA	ND(0.0025)
Vinyl Chloride	NA	NA	ND(0.0010)	NA	0.00095 J
Xylenes (total)	NA	NA	ND(0.0010)	NA	0.00065 J
Total VOCs	NA	NA	0.0096 J	NA	0.011 J

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Lyman Street Area				
Sample ID:	LS-29	LSSC-08S	LSSC-16S	LSSC-18	MW-4R
Parameter Date Collected:	10/25/07	10/17/07	10/17/07	10/25/07	10/17/07
PCBs-Filtered					
Aroclor-1016	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1221	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1232	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1242	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1248	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1254	0.00015	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1260	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Total PCBs	0.00015	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	ND(0.0010)	NA	NA
1,2-Dichlorobenzene	NA	NA	ND(0.0010)	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	ND(0.0010)	NA	NA
1,3-Dinitrobenzene	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	ND(0.0010)	NA	NA
1,4-Naphthoquinone	NA	NA	NA	NA	NA
1-Naphthylamine	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA
2,6-Dichlorophenol	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA
2-Acetylaminofluorene	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA
2-Naphthylamine	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA
2-Picoline	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	NA	NA	NA	NA	NA
3-Methylcholanthrene	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA
4-Aminobiphenyl	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA
4-Chlorobenzilate	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA
4-Nitroquinoline-1-oxide	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Lyman Street Area				
Sample ID:	LS-29	LSSC-08S	LSSC-16S	LSSC-18	MW-4R
Parameter Date Collected:	10/25/07	10/17/07	10/17/07	10/25/07	10/17/07
Semivolatile Organics (continued)					
4-Phenylenediamine	NA	NA	NA	NA	NA
5-Nitro-o-toluidine	NA	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	NA	NA	NA	NA	NA
a,a'-Dimethylphenethylamine	NA	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA	NA
Aniline	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA
Aramite	NA	NA	NA	NA	NA
Benzidine	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA
Benzyl Alcohol	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA	NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA
Diallate	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	NA	NA
Dimethylphthalate	NA	NA	NA	NA	NA
Di-n-Butylphthalate	NA	NA	NA	NA	NA
Di-n-Octylphthalate	NA	NA	NA	NA	NA
Diphenylamine	NA	NA	NA	NA	NA
Ethyl Methanesulfonate	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA
Hexachlorobenzene	NA	NA	NA	NA	NA
Hexachlorobutadiene	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA
Hexachlorophene	NA	NA	NA	NA	NA
Hexachloropropene	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA
Isosafrole	NA	NA	NA	NA	NA
Methapyrilene	NA	NA	NA	NA	NA
Methyl Methanesulfonate	NA	NA	NA	NA	NA
Naphthalene	NA	NA	ND(0.00010)	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA
N-Nitrosodiethylamine	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	NA	NA	NA	NA	NA
N-Nitroso-di-n-butylamine	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA
N-Nitrosomethylethylamine	NA	NA	NA	NA	NA
N-Nitrosomorpholine	NA	NA	NA	NA	NA
N-Nitrosopiperidine	NA	NA	NA	NA	NA
N-Nitrosopyrrolidine	NA	NA	NA	NA	NA
o,o,o-Triethylphosphorothioate	NA	NA	NA	NA	NA
o-Toluidine	NA	NA	NA	NA	NA
p-Dimethylaminoazobenzene	NA	NA	NA	NA	NA
Pentachlorobenzene	NA	NA	NA	NA	NA
Pentachloroethane	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Lyman Street Area				
Sample ID:	LS-29	LSSC-08S	LSSC-16S	LSSC-18	MW-4R
Parameter / Date Collected:	10/25/07	10/17/07	10/17/07	10/25/07	10/17/07
Semivolatile Organics (continued)					
Pentachloronitrobenzene	NA	NA	NA	NA	NA
Pentachlorophenol	NA	NA	NA	NA	NA
Phenacetin	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA
Phenol	NA	NA	NA	NA	NA
Pronamide	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA
Pyridine	NA	NA	NA	NA	NA
Safrole	NA	NA	NA	NA	NA
Thionazin	NA	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA
Thallium	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Newell St. Area II	Newell St. Area II	Newell St. Area II
Sample ID:	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	10/18/07	10/18/07	12/04/07
Volatile Organics			
1,1,1,2-Tetrachloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1,1-Trichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1,2-Trichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1-Dichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1-Dichloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2,3-Trichloropropane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J	NA
1,2-Dibromoethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2-Dichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2-Dichloropropane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,4-Dioxane	ND(0.10) J [ND(0.10) J]	ND(0.10) J	NA
2-Butanone	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J	NA
2-Chloro-1,3-butadiene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
2-Chloroethylvinylether	ND(0.013) J [ND(0.013) J]	R	NA
2-Hexanone	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
3-Chloropropene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
4-Methyl-2-pentanone	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Acetone	0.0025 J [ND(0.0050) J]	ND(0.0050) J	NA
Acetonitrile	ND(0.020) J [ND(0.020) J]	ND(0.020) J	NA
Acrolein	ND(0.025) J [ND(0.025) J]	ND(0.025) J	NA
Acrylonitrile	ND(0.025) J [ND(0.025) J]	ND(0.025) J	NA
Benzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Bromodichloromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Bromoform	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J	NA
Bromomethane	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J	NA
Carbon Disulfide	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Carbon Tetrachloride	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chlorobenzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloroform	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
cis-1,3-Dichloropropene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Dibromochloromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Dibromomethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Dichlorodifluoromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Ethyl Methacrylate	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Ethylbenzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Iodomethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Isobutanol	ND(0.050) J [ND(0.050) J]	ND(0.050) J	NA
Methacrylonitrile	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Methyl Methacrylate	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Methylene Chloride	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Propionitrile	ND(0.020) J [ND(0.020) J]	ND(0.020) J	NA
Styrene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Tetrachloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Toluene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
trans-1,2-Dichloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
trans-1,3-Dichloropropene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Trichloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Trichlorofluoromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Vinyl Acetate	ND(0.0025) [ND(0.0025)]	ND(0.0025)	NA
Vinyl Chloride	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Xylenes (total)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Total VOCs	0.0025 J [ND(0.10)]	ND(0.10)	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Newell St. Area II	Newell St. Area II	Newell St. Area II
Sample ID:	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	10/18/07	10/18/07	12/04/07
PCBs-Filtered			
Aroclor-1016	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1221	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1232	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1242	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1248	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1254	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00016
Aroclor-1260	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00015
Total PCBs	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00031
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,2,4-Trichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,2-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,2-Diphenylhydrazine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,3,5-Trinitrobenzene	ND(0.050) [ND(0.050)]	ND(0.050)	NA
1,3-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,3-Dinitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,4-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,4-Naphthoquinone	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1-Naphthylamine	ND(0.050) [ND(0.050)]	ND(0.050)	NA
2,3,4,6-Tetrachlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4,5-Trichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4,6-Trichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4-Dichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4-Dimethylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4-Dinitrophenol	ND(0.050) [ND(0.050)]	ND(0.050)	NA
2,4-Dinitrotoluene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,6-Dichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,6-Dinitrotoluene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Acetylaminofluorene	ND(0.020) [ND(0.020)]	ND(0.020)	NA
2-Chloronaphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Chlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Methylnaphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Methylphenol	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
2-Naphthylamine	ND(0.050) J [ND(0.050) J]	ND(0.050) J	NA
2-Nitroaniline	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Nitrophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Picoline	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
3&4-Methylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
3,3'-Dichlorobenzidine	ND(0.020) [ND(0.020)]	ND(0.020) J	NA
3,3'-Dimethylbenzidine	ND(0.050) [ND(0.050)]	ND(0.050)	NA
3-Methylcholanthrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
3-Nitroaniline	ND(0.050) [ND(0.050)]	ND(0.050)	NA
4,6-Dinitro-2-methylphenol	ND(0.050) [ND(0.050)]	ND(0.050)	NA
4-Aminobiphenyl	ND(0.010) [ND(0.010)]	ND(0.010)	NA
4-Bromophenyl-phenylether	ND(0.010) [ND(0.010)]	ND(0.010)	NA
4-Chloro-3-Methylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
4-Chloroaniline	ND(0.050) [ND(0.050)]	ND(0.050)	NA
4-Chlorobenzilate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
4-Chlorophenyl-phenylether	ND(0.010) [ND(0.010)]	ND(0.010)	NA
4-Nitroaniline	ND(0.050) [ND(0.050)]	ND(0.050)	NA
4-Nitrophenol	ND(0.050) [ND(0.050)]	ND(0.050)	NA
4-Nitroquinoline-1-oxide	ND(0.050) [ND(0.050)]	ND(0.050)	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Newell St. Area II	Newell St. Area II	Newell St. Area II
Sample ID:	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	10/18/07	10/18/07	12/04/07
Semivolatile Organics (continued)			
4-Phenylenediamine	ND(0.020) J [ND(0.010) J]	ND(0.020) J	NA
5-Nitro-o-toluidine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
7,12-Dimethylbenz(a)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
a,a'-Dimethylphenethylamine	ND(0.050) J [ND(0.050) J]	ND(0.050) J	NA
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Acenaphthylene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Acetophenone	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Aniline	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Aramite	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
Benzidine	ND(0.020) J [ND(0.020) J]	ND(0.020) J	NA
Benzo(a)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(a)pyrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(b)fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(g,h,i)perylene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(k)fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzyl Alcohol	ND(0.020) [ND(0.020)]	ND(0.020)	NA
bis(2-Chloroethoxy)methane	ND(0.010) [ND(0.010)]	ND(0.010)	NA
bis(2-Chloroethyl)ether	ND(0.010) [ND(0.010)]	ND(0.010)	NA
bis(2-Chloroisopropyl)ether	ND(0.010) [ND(0.010)]	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate	0.0081 J [ND(0.010)]	ND(0.010)	NA
Butylbenzylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Chrysene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Diallate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Dibenzo(a,h)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Dibenzofuran	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Diethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Dimethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Di-n-Butylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Di-n-Octylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Diphenylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Ethyl Methanesulfonate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Fluorene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Hexachlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Hexachlorobutadiene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Hexachlorocyclopentadiene	ND(0.020) [ND(0.020)]	ND(0.020)	NA
Hexachloroethane	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Hexachlorophene	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
Hexachloropropene	ND(0.020) [ND(0.020)]	ND(0.020)	NA
Indeno(1,2,3-cd)pyrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Isodrin	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Isophorone	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Isosafrole	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Methapyrilene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Methyl Methanesulfonate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Naphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Nitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosodiethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosodimethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitroso-di-n-butylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitroso-di-n-propylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosodiphenylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosomethylethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosomorpholine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosopiperidine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosopyrrolidine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
o,o,o-Triethylphosphorothioate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
o-Toluidine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
p-Dimethylaminoazobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Pentachlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Pentachloroethane	ND(0.010) [ND(0.010)]	ND(0.010)	NA

Table B-1
Fall 2007 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Fall 2007
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Newell St. Area II	Newell St. Area II	Newell St. Area II
Sample ID:	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	10/18/07	10/18/07	12/04/07
Semivolatile Organics (continued)			
Pentachloronitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Pentachlorophenol	ND(0.050) [ND(0.050)]	ND(0.050)	NA
Phenacetin	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Phenanthrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Phenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Pronamide	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Pyrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Pyridine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Safrole	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Thionazin	ND(0.020) [ND(0.020)]	ND(0.020)	NA
Inorganics-Filtered			
Antimony	NA	NA	NA
Arsenic	NA	NA	NA
Barium	NA	NA	NA
Beryllium	NA	NA	NA
Cadmium	NA	NA	NA
Chromium	NA	NA	NA
Cobalt	NA	NA	NA
Copper	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA
Lead	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Thallium	NA	NA	NA
Tin	NA	NA	NA
Vanadium	NA	NA	NA
Zinc	NA	NA	NA

Notes:
1. Samples were collected by ARCADIS BBL and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, selected semivolatiles and cyanide (filtered).
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)
J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.

Inorganics
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.

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Appendix C

Historical Groundwater Data

ARCADIS

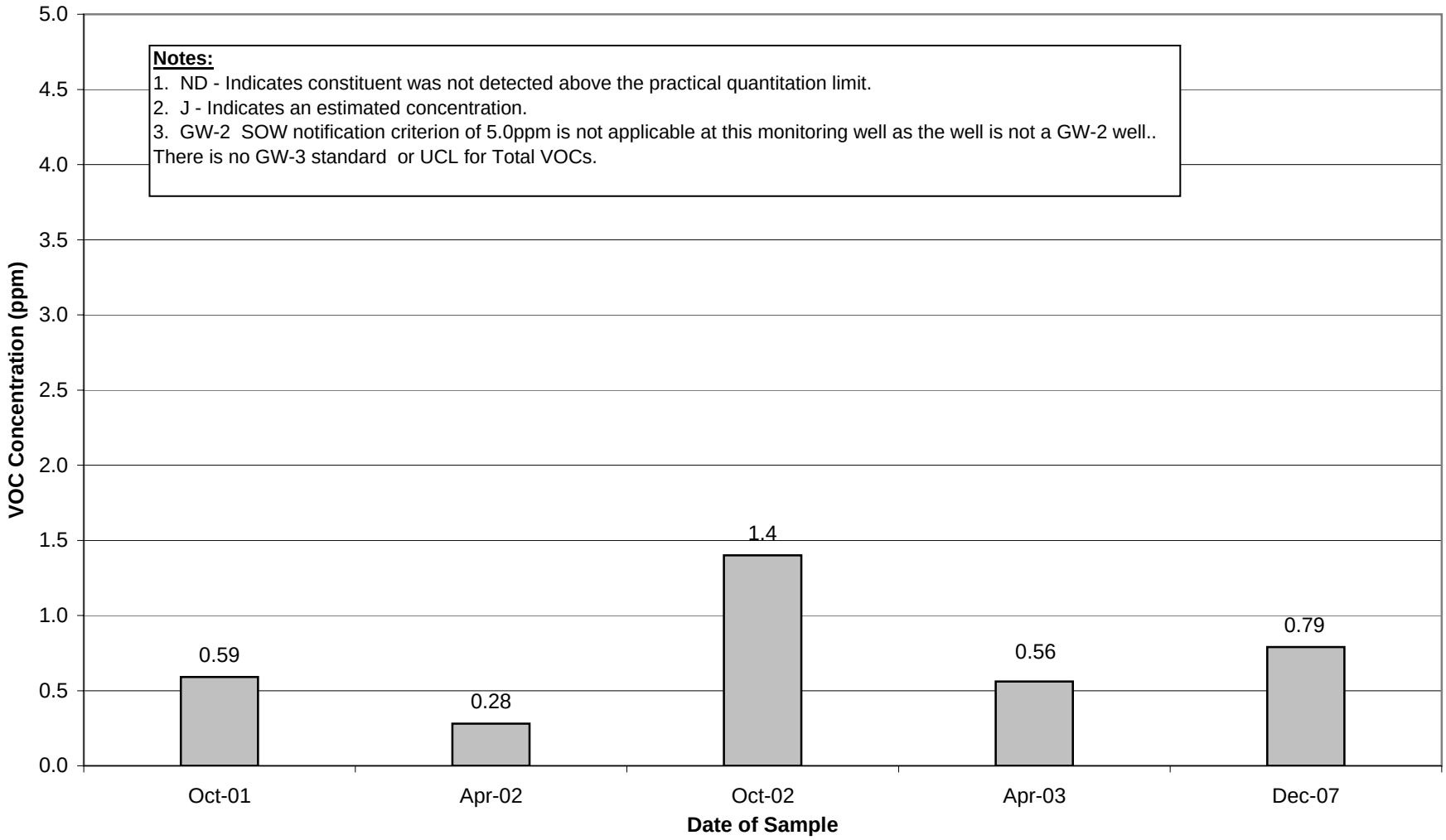
Historical Groundwater Data

Total VOC Concentrations –
Wells Sampled in Fall 2007

Appendix C

Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well 3-6C-EB-14 Historical VOC Concentrations



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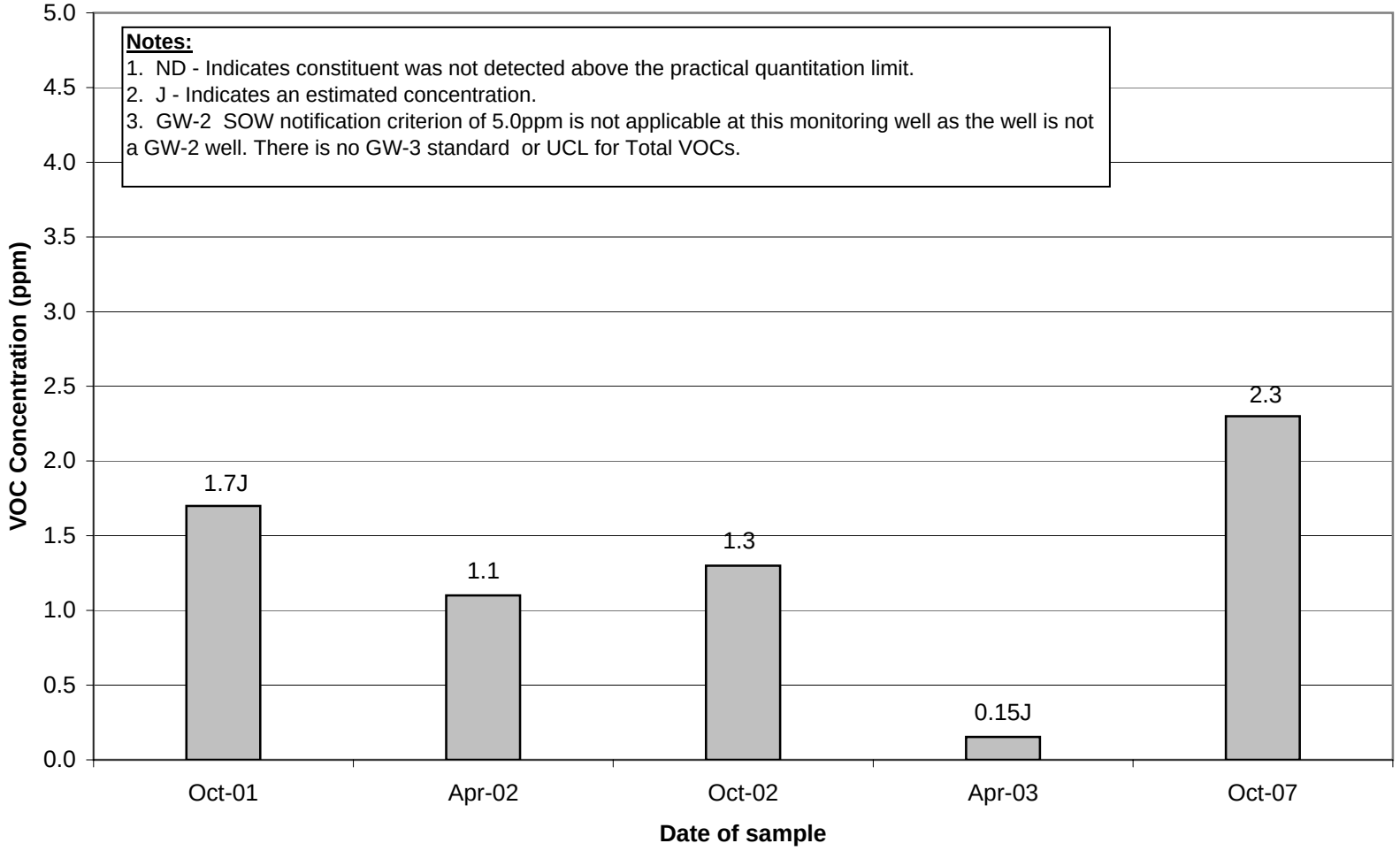
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ES2-02A Historical VOC Concentrations



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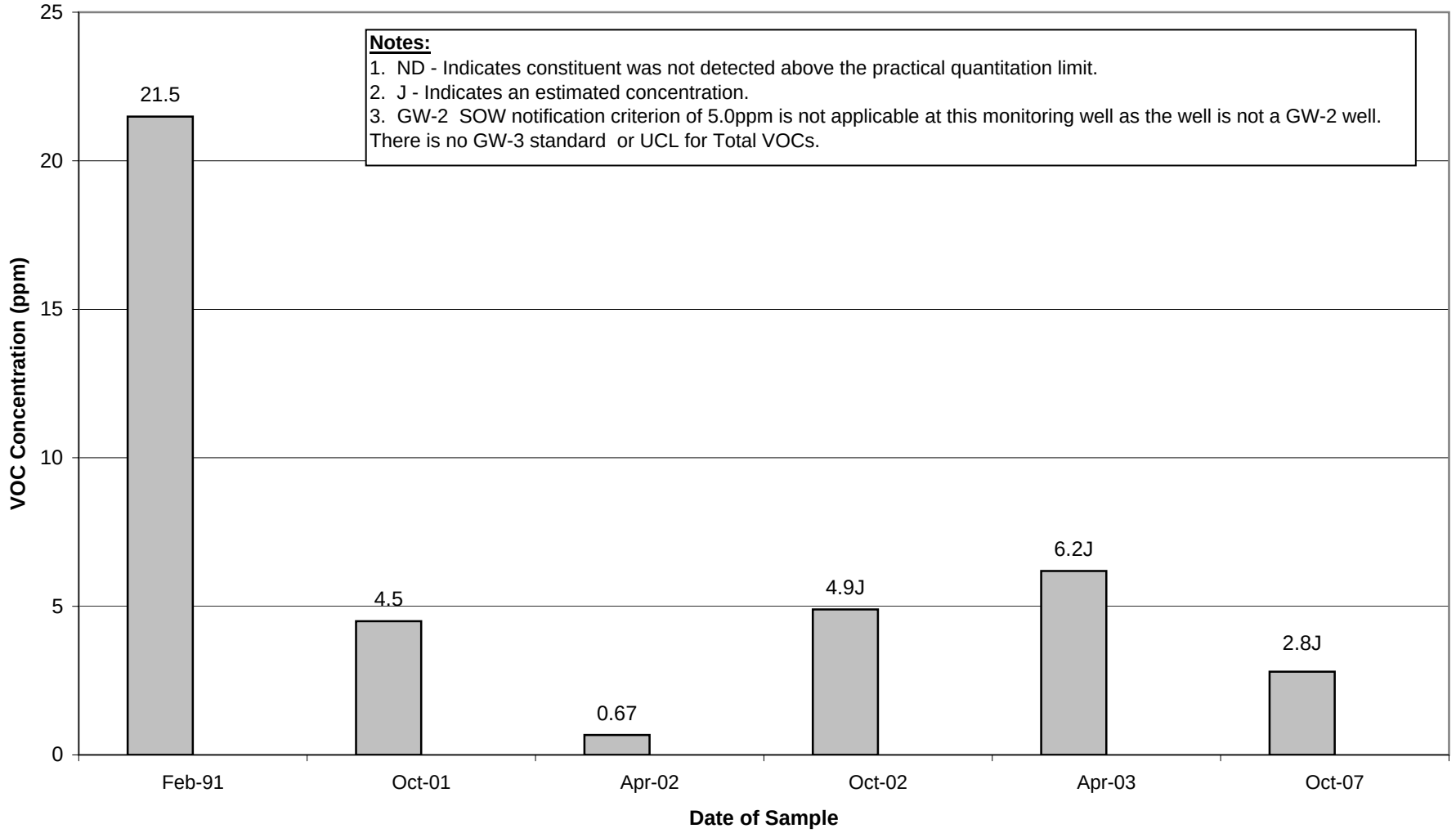
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ESA2S-64 Historical VOC Concentrations



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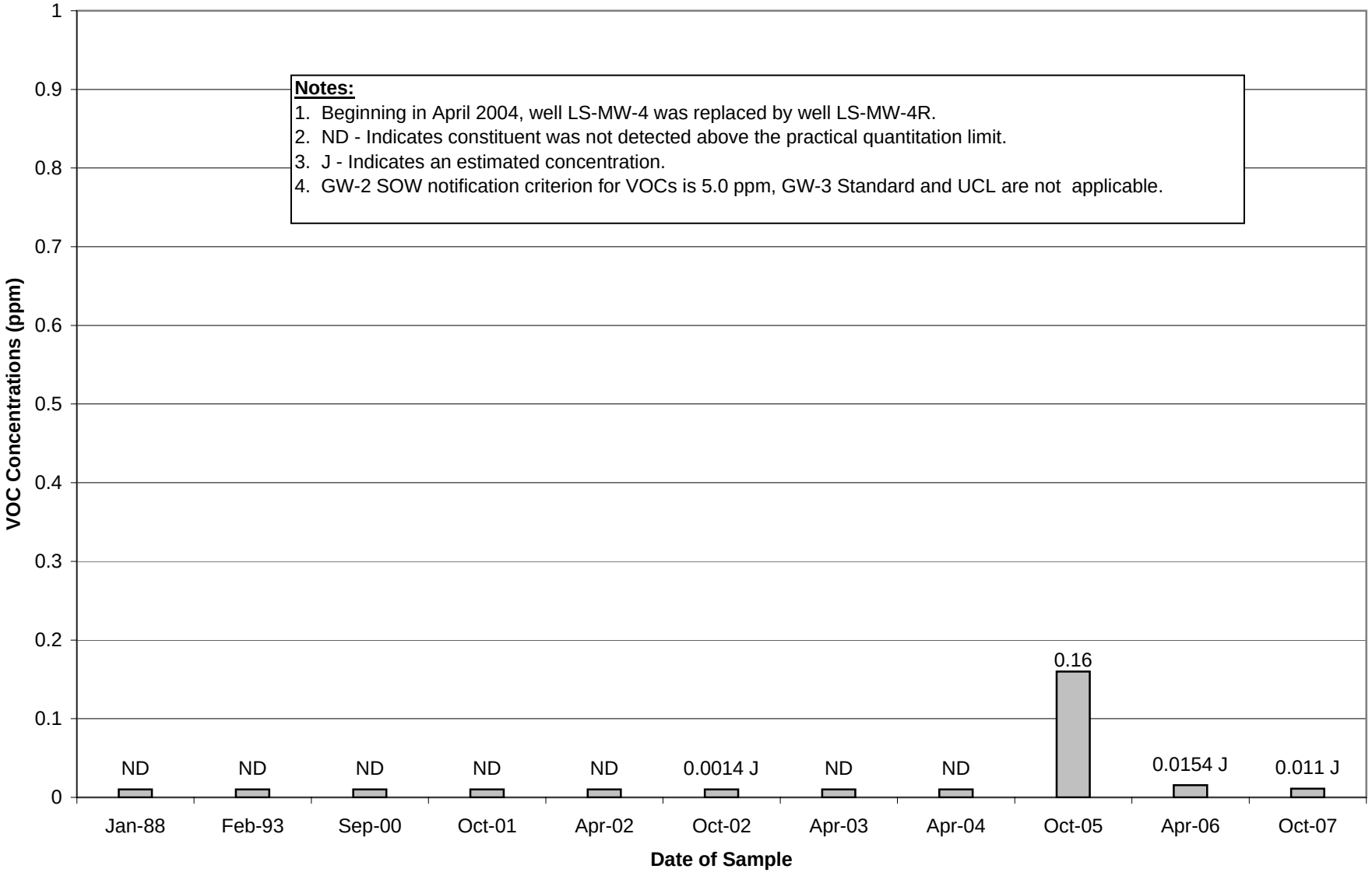
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well LS-MW-4 & LS-MW-4R Historical VOC Concentrations



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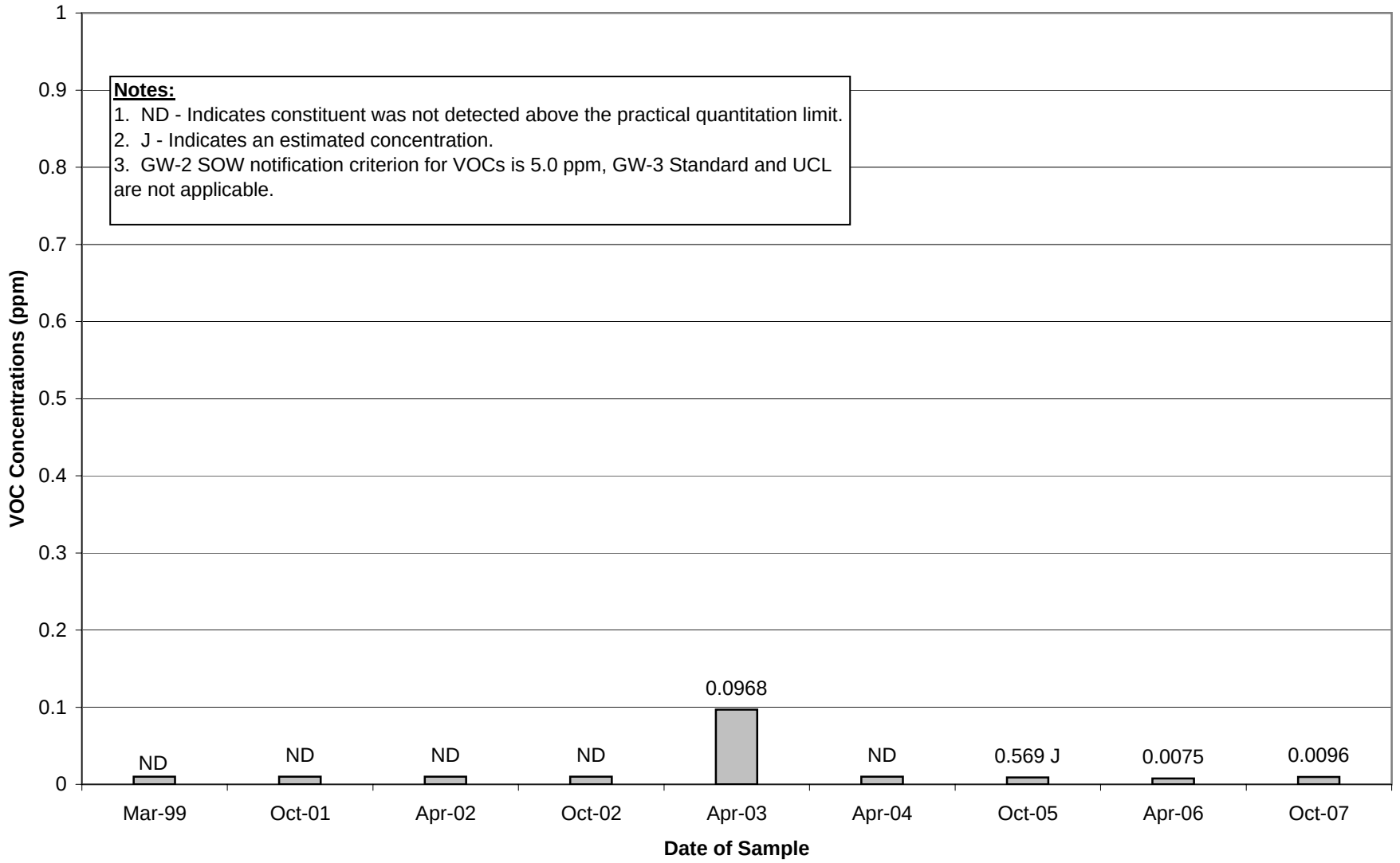
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well LSSC-16S Historical VOC Concentrations



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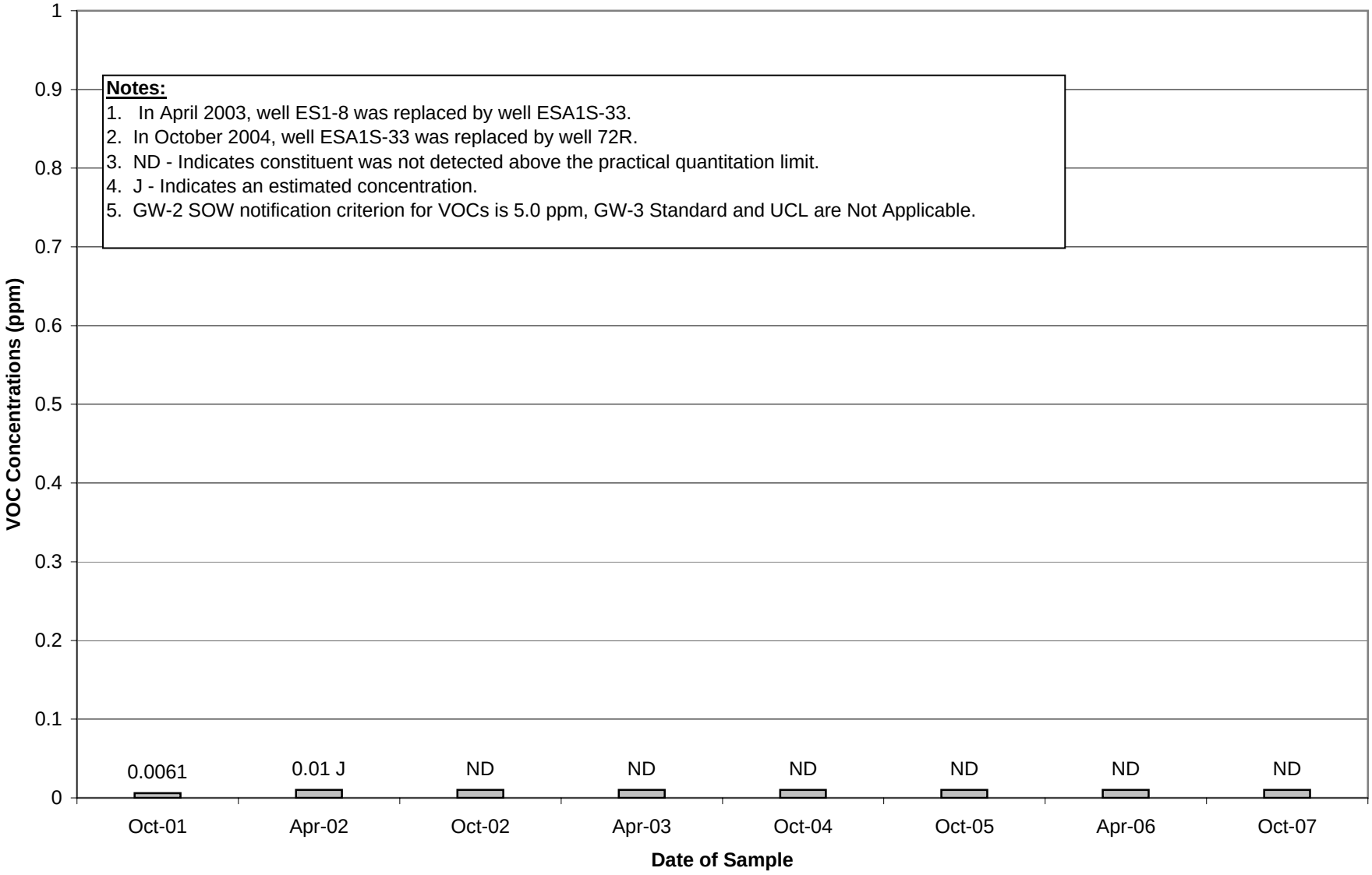
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ES1-8 & ESA1S-33 & 72R Historical VOC Concentrations



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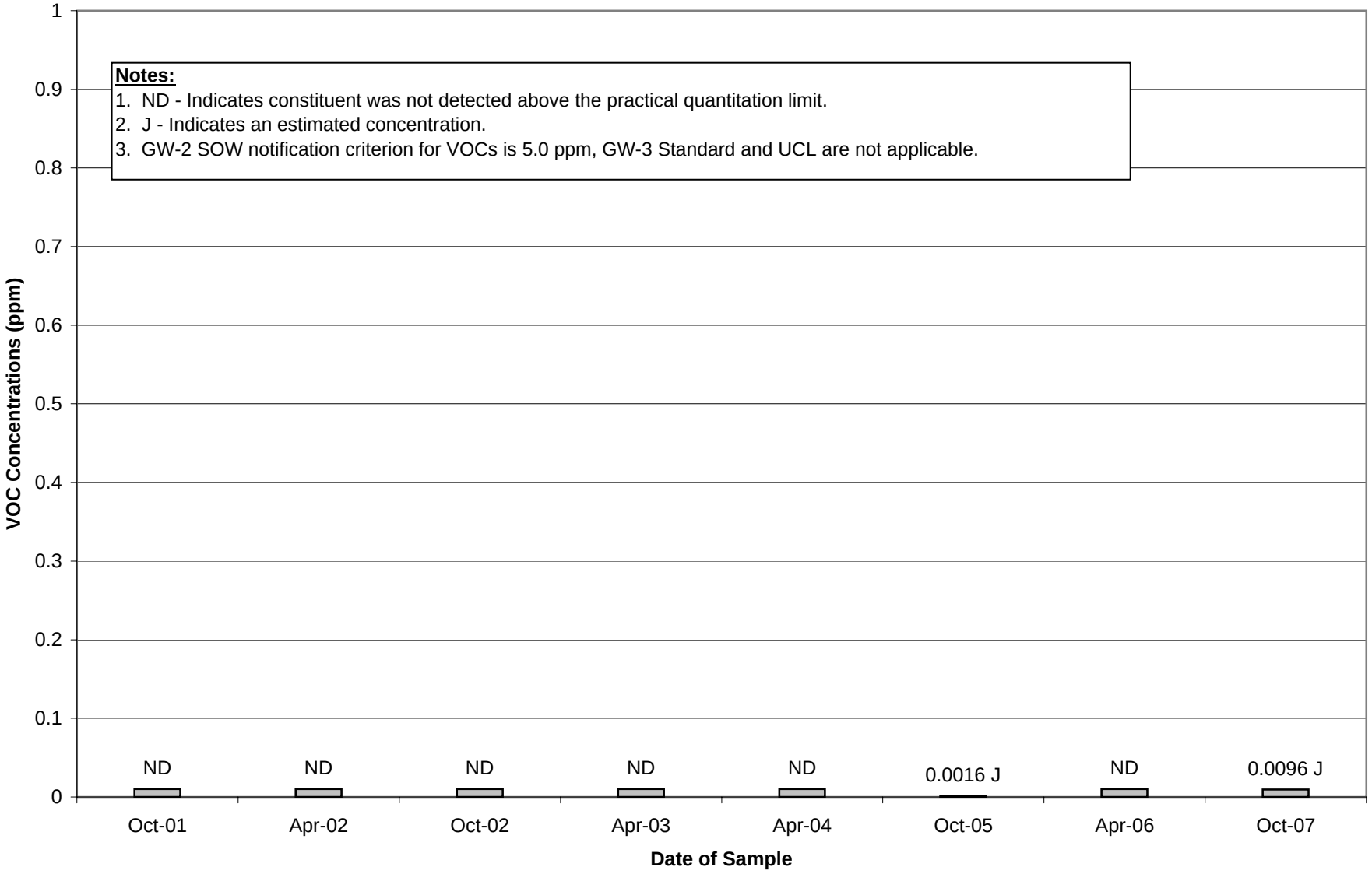
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well GMA1-6 Historical VOC Concentrations



ARCADIS

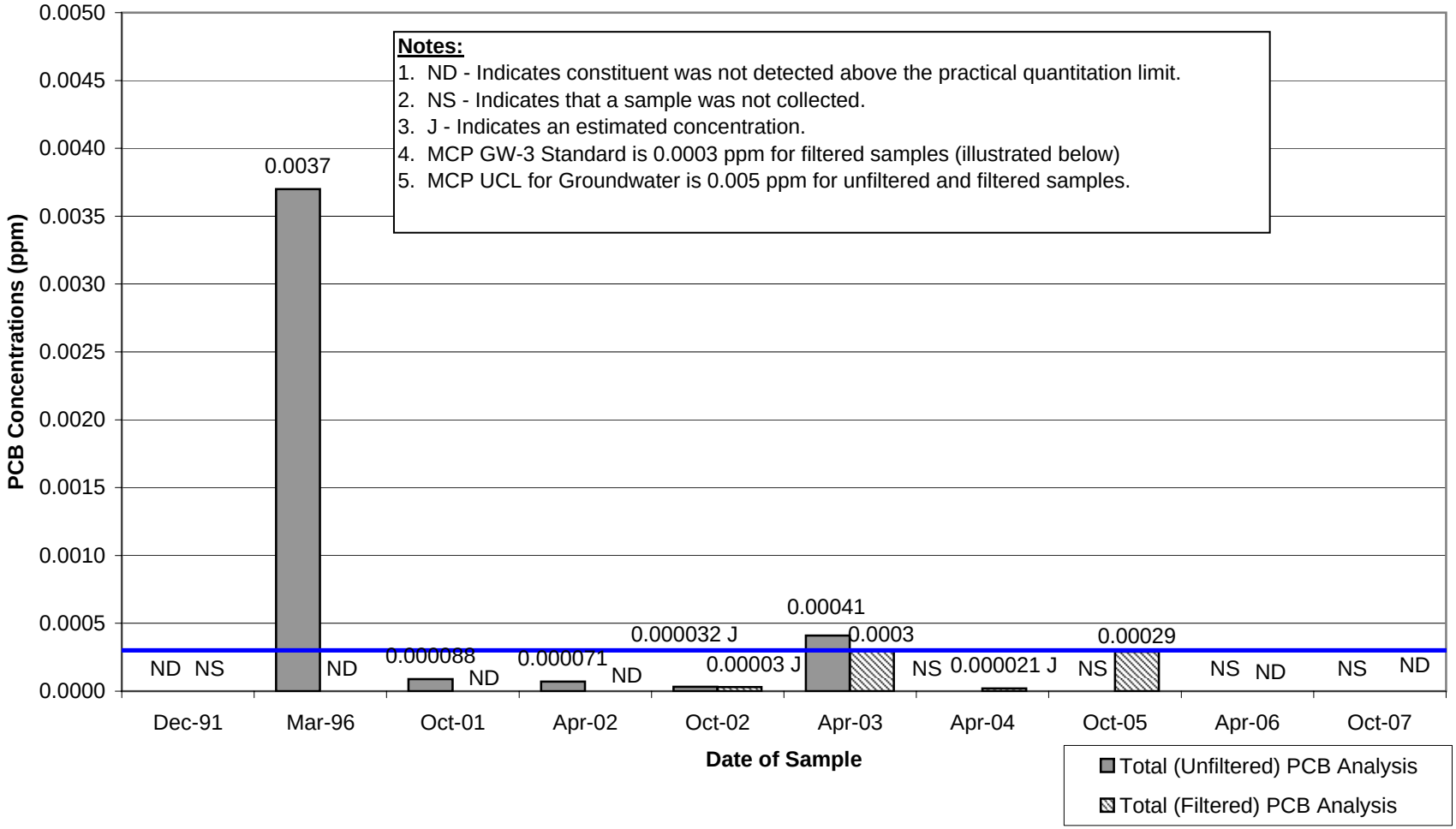
Historical Groundwater Data

Total PCB Concentration –
Wells Sampled in Fall 2007

Appendix C

Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well RF-02 Historical PCB Concentrations



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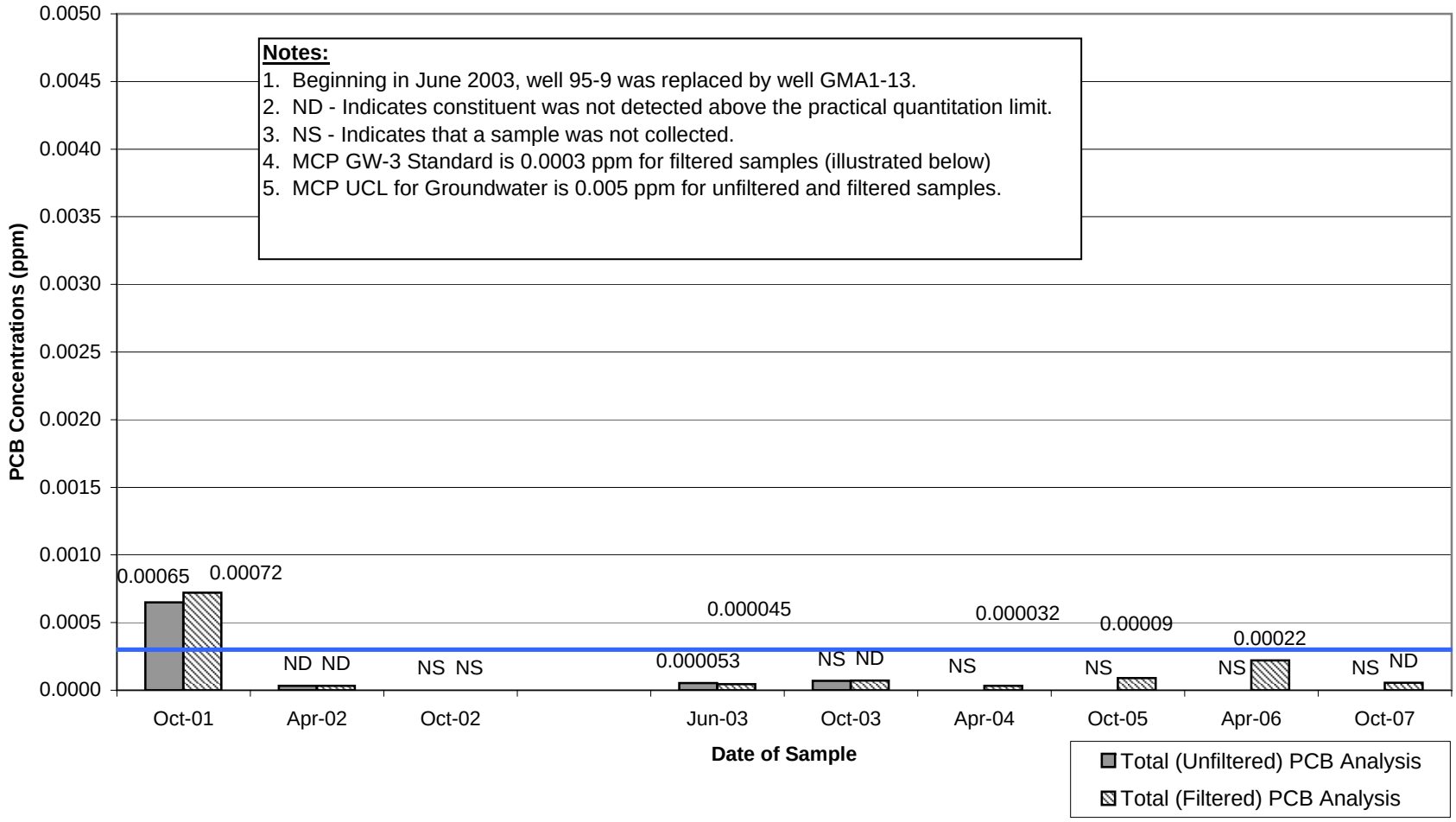
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

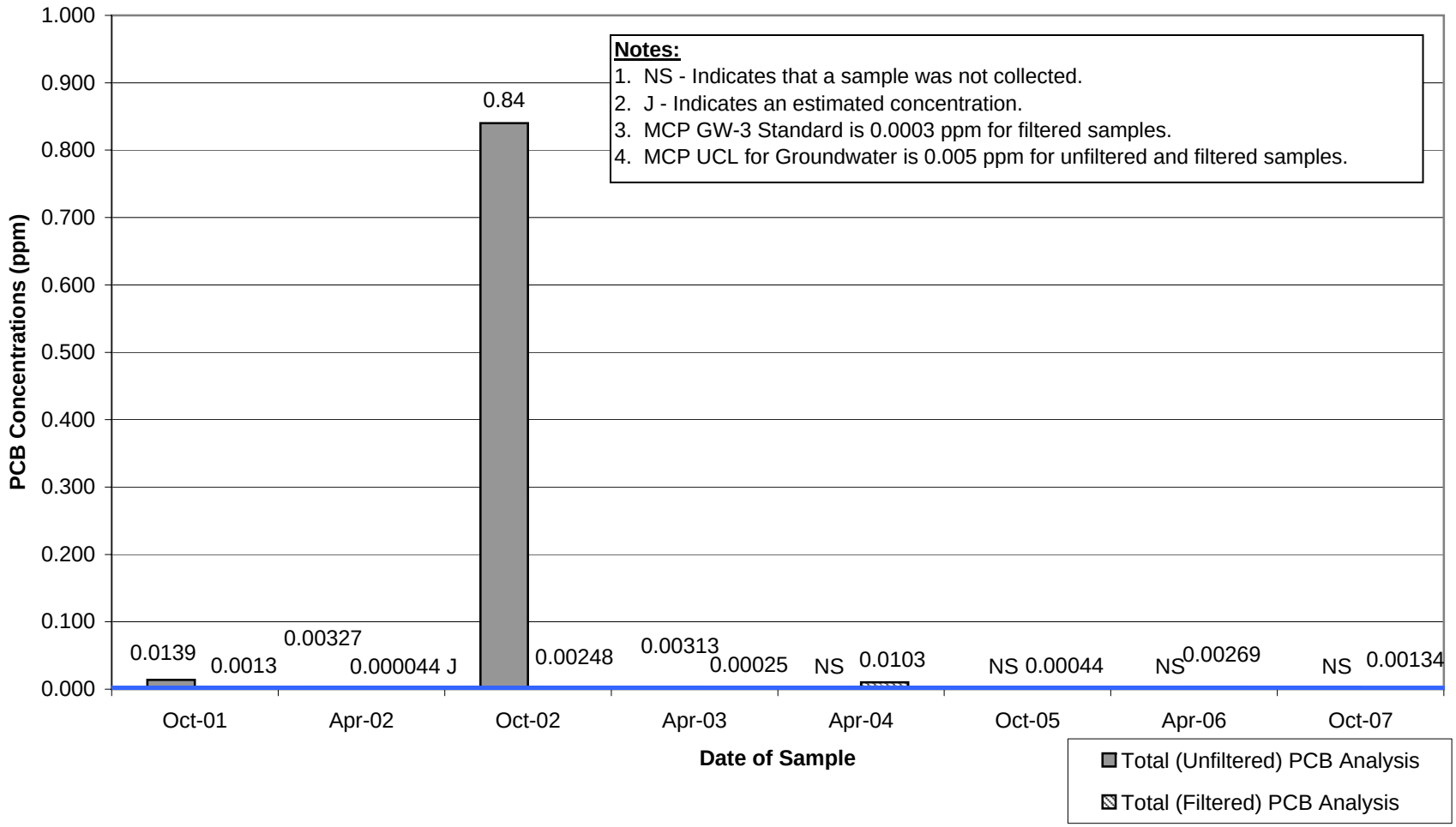
Well 95-9 & GMA1-13 Historical PCB Concentrations



Appendix C

Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well E2SC-23 Historical PCB Concentrations



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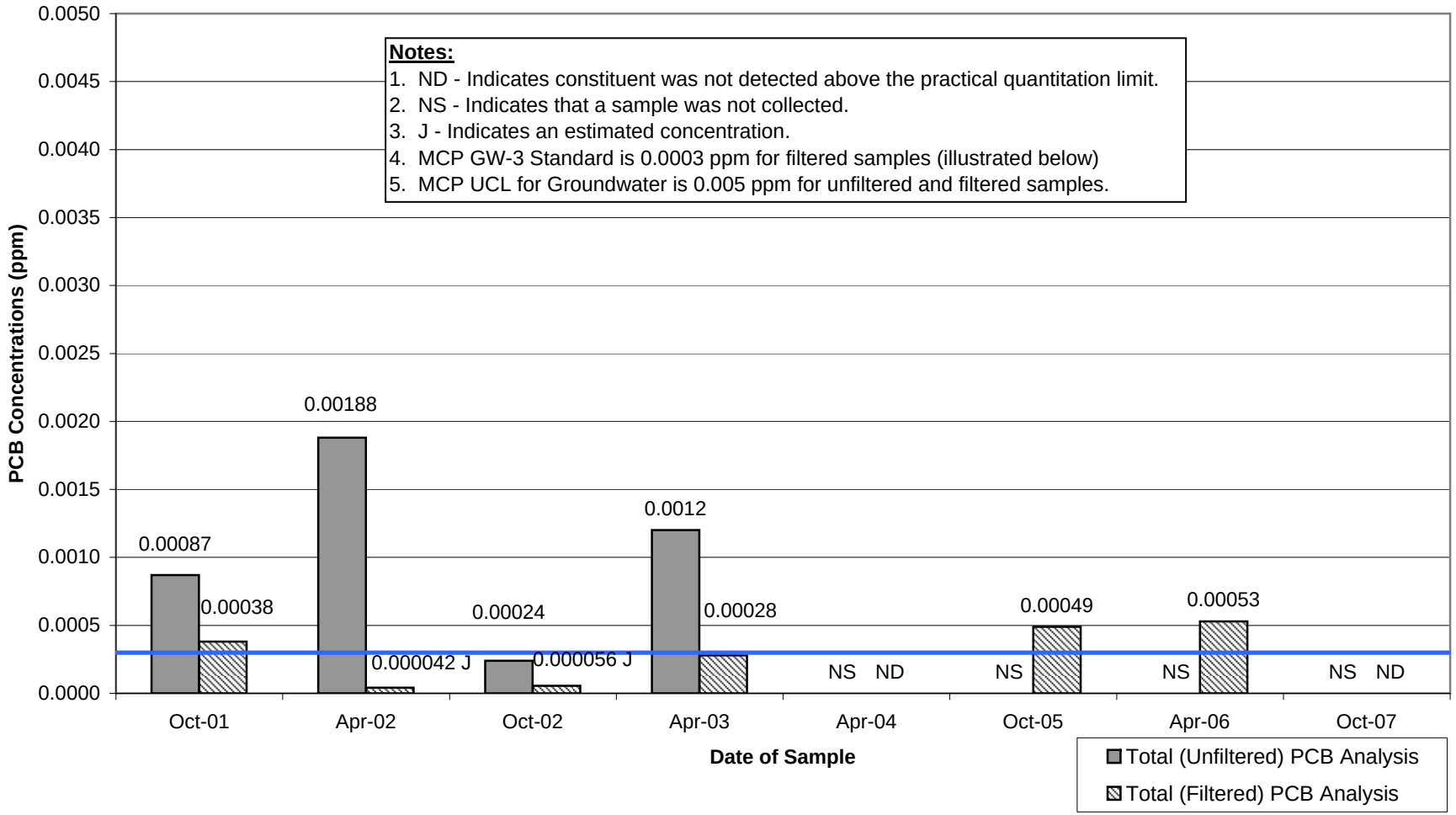
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well E2SC-24 Historical PCB Concentrations



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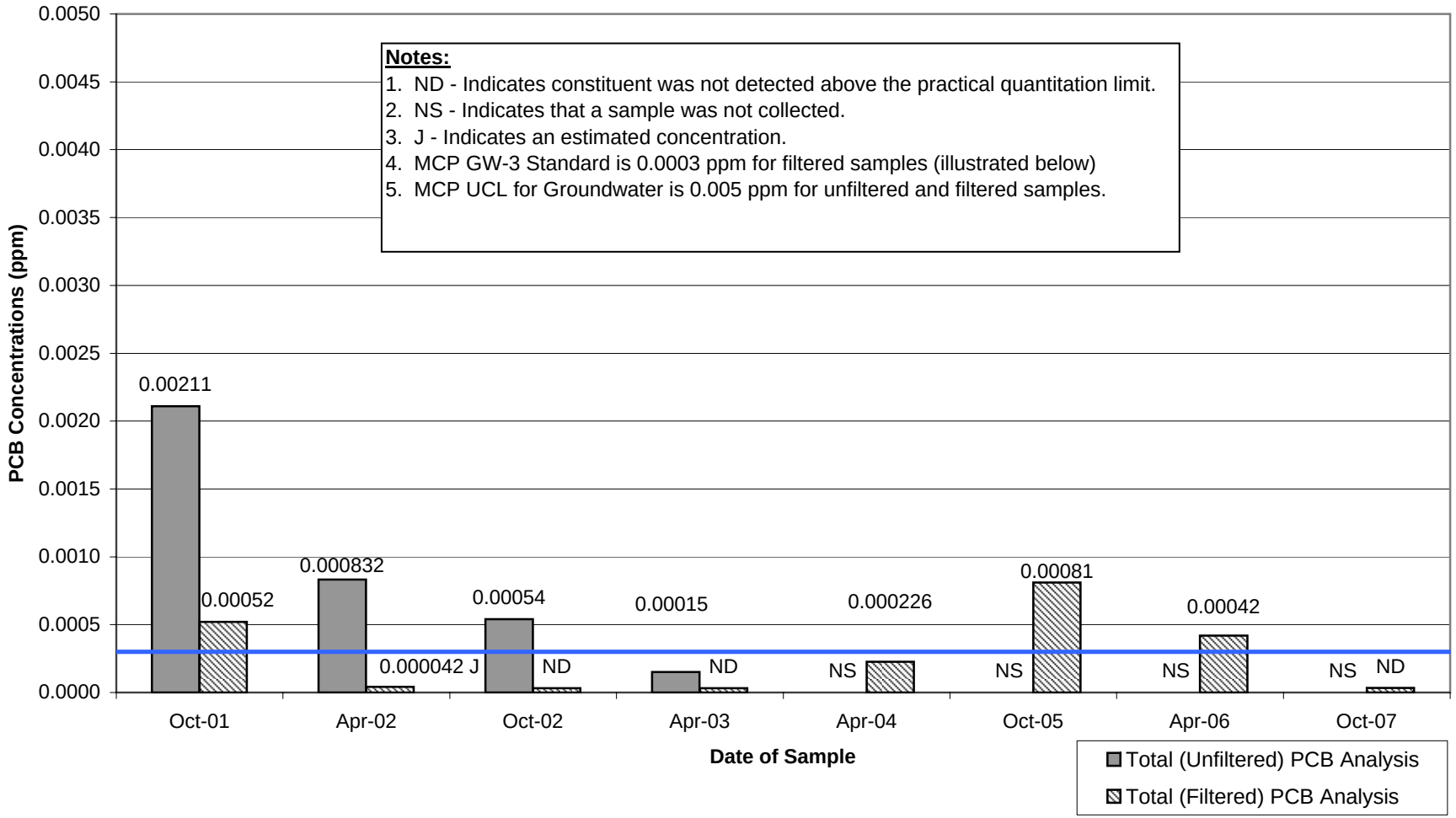
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well HR-G3-MW-1 Historical PCB Concentrations



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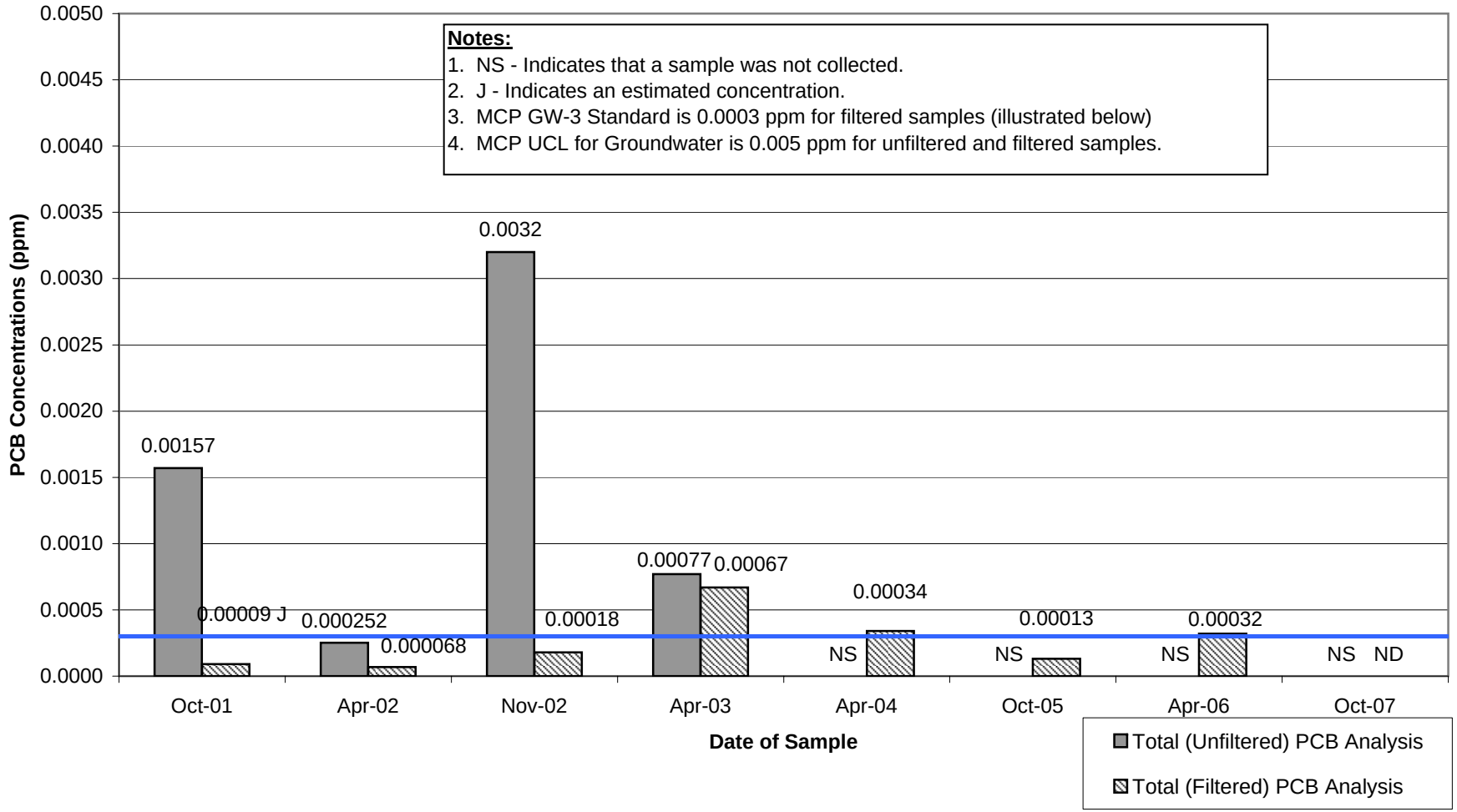
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ES1-05 Historical PCB Concentrations



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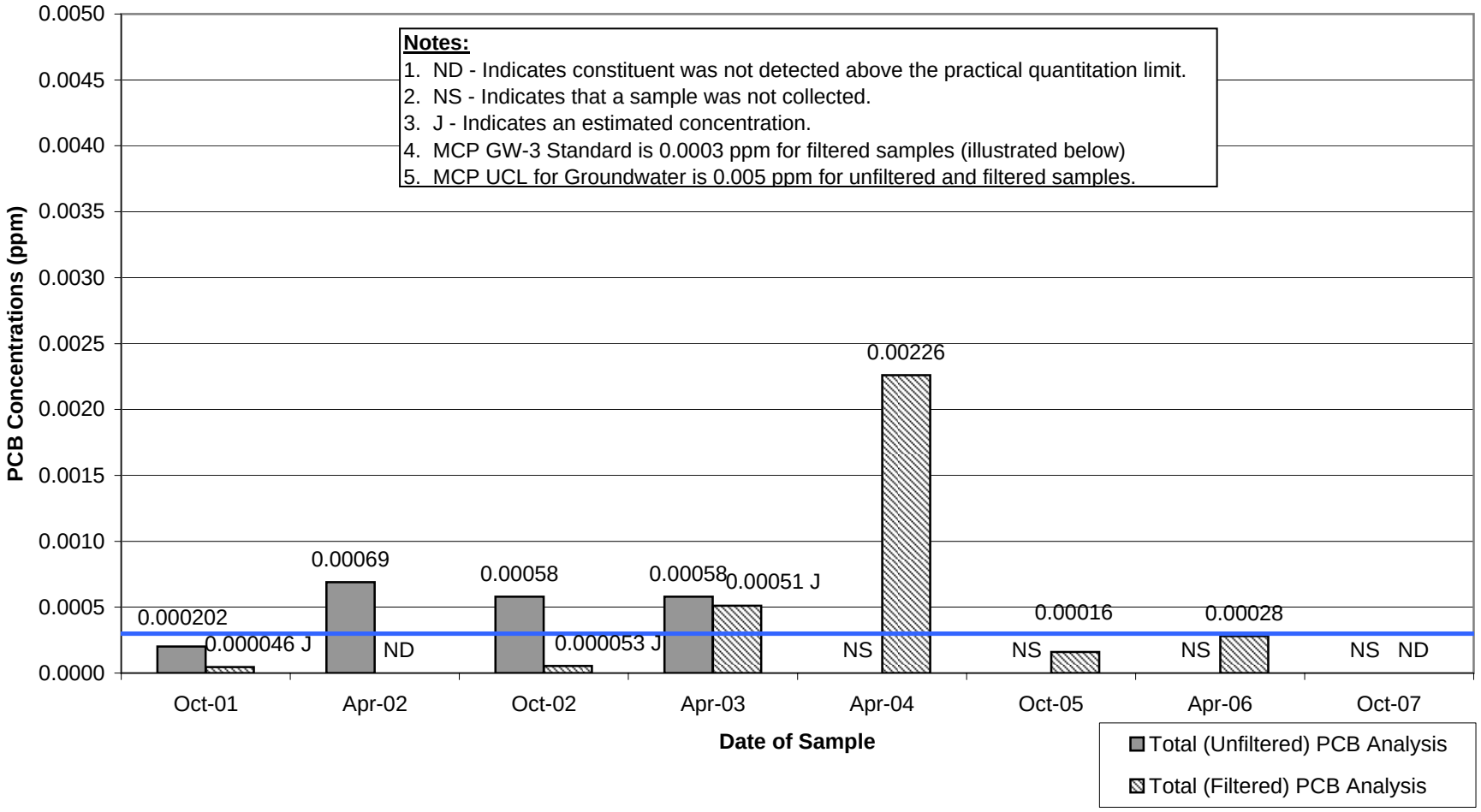
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ES1-27R Historical PCB Concentrations



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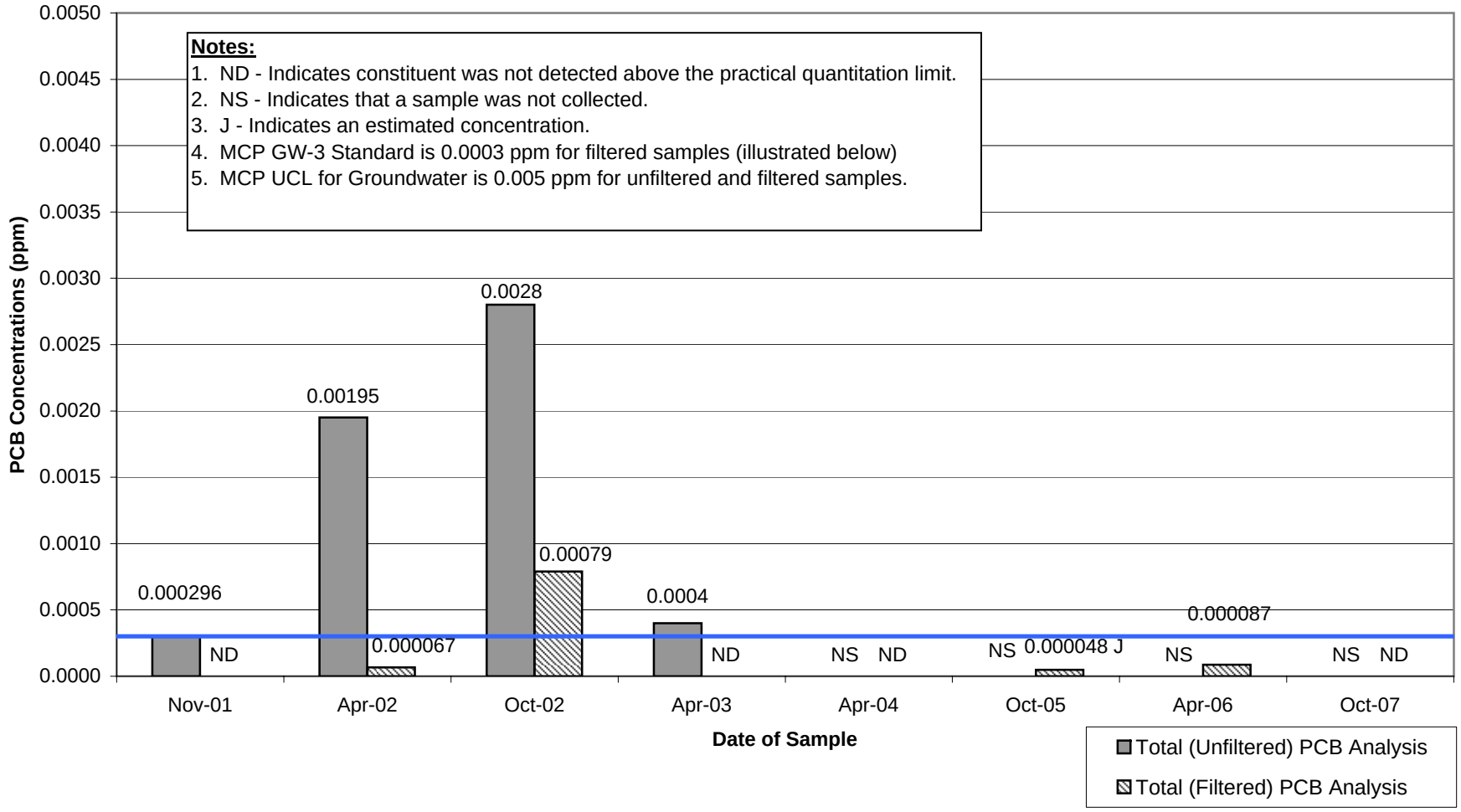
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ESA1N-52 Historical PCB Concentrations



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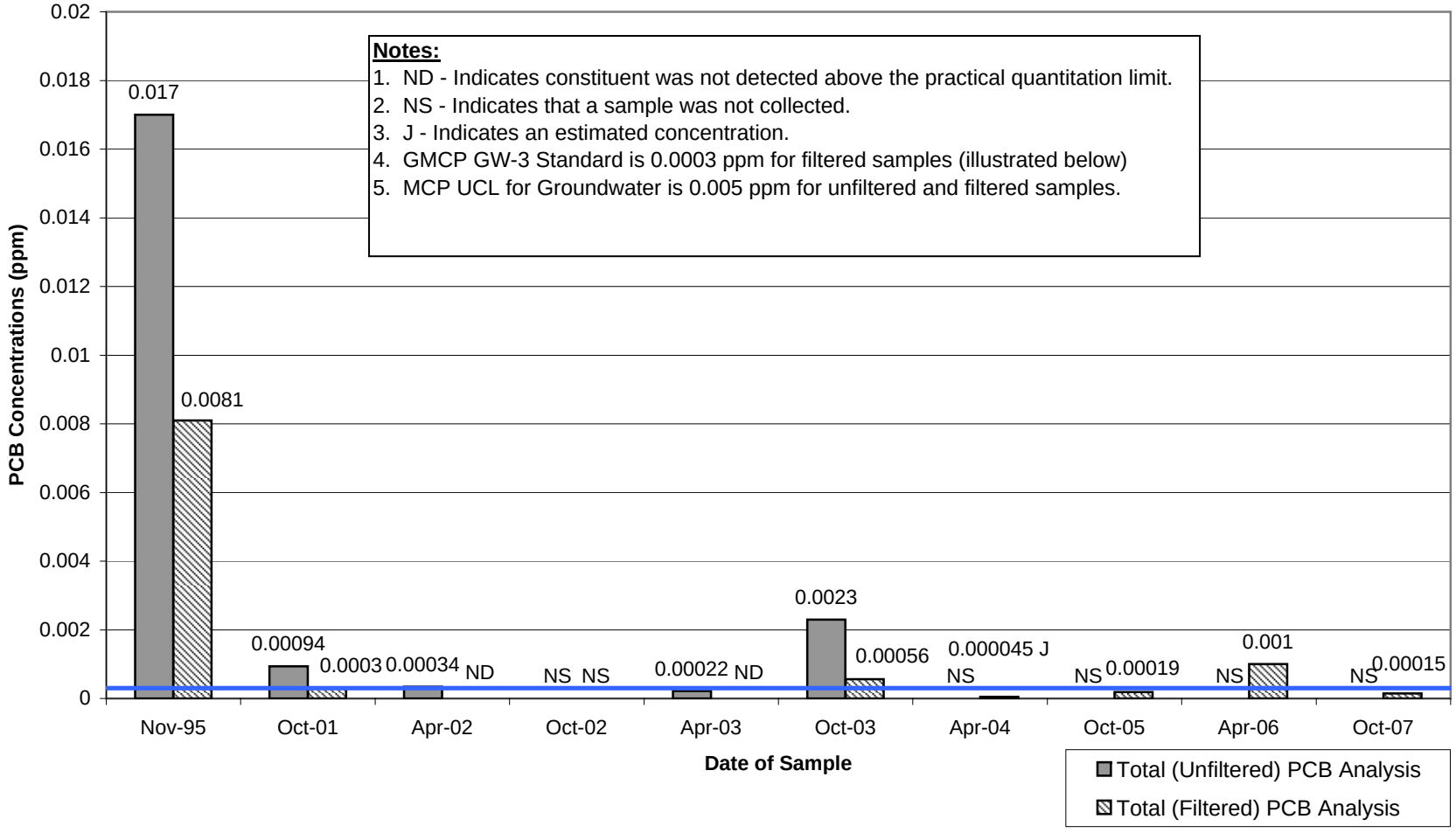
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well LS-29 Historical PCB Concentrations



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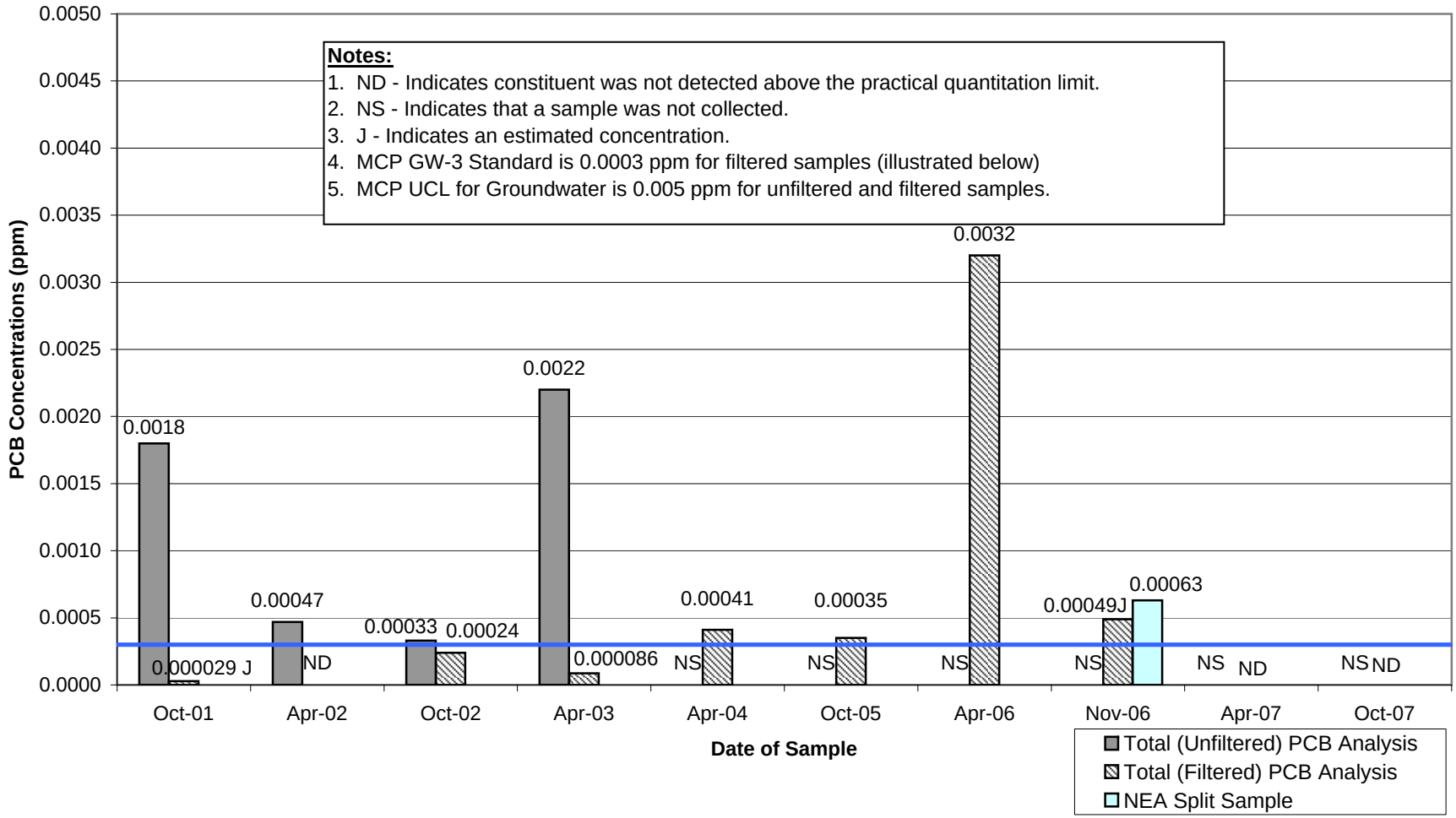
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well LSSC-08S Historical PCB Concentrations



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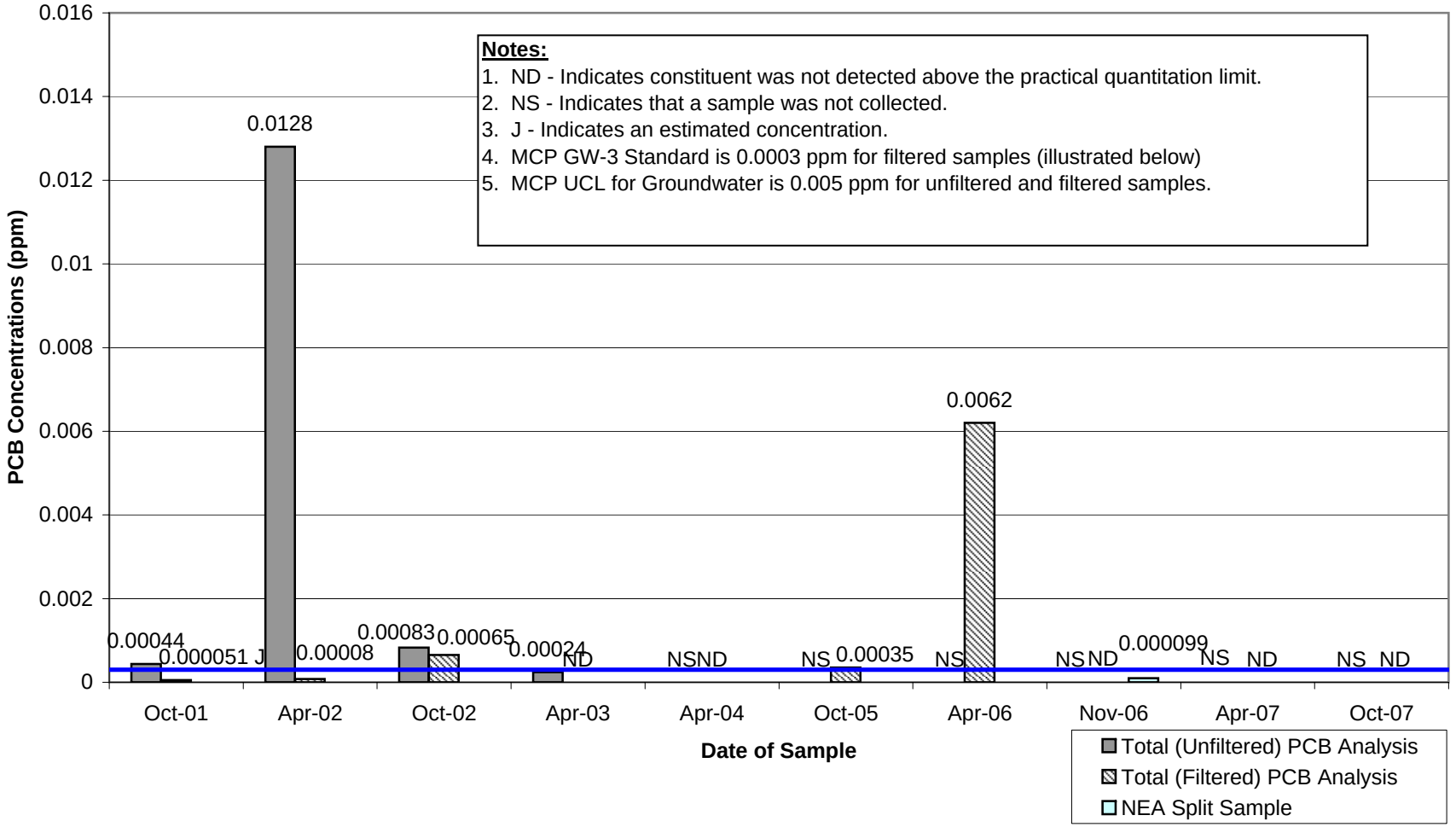
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well LSSC-18 Historical PCB Concentrations



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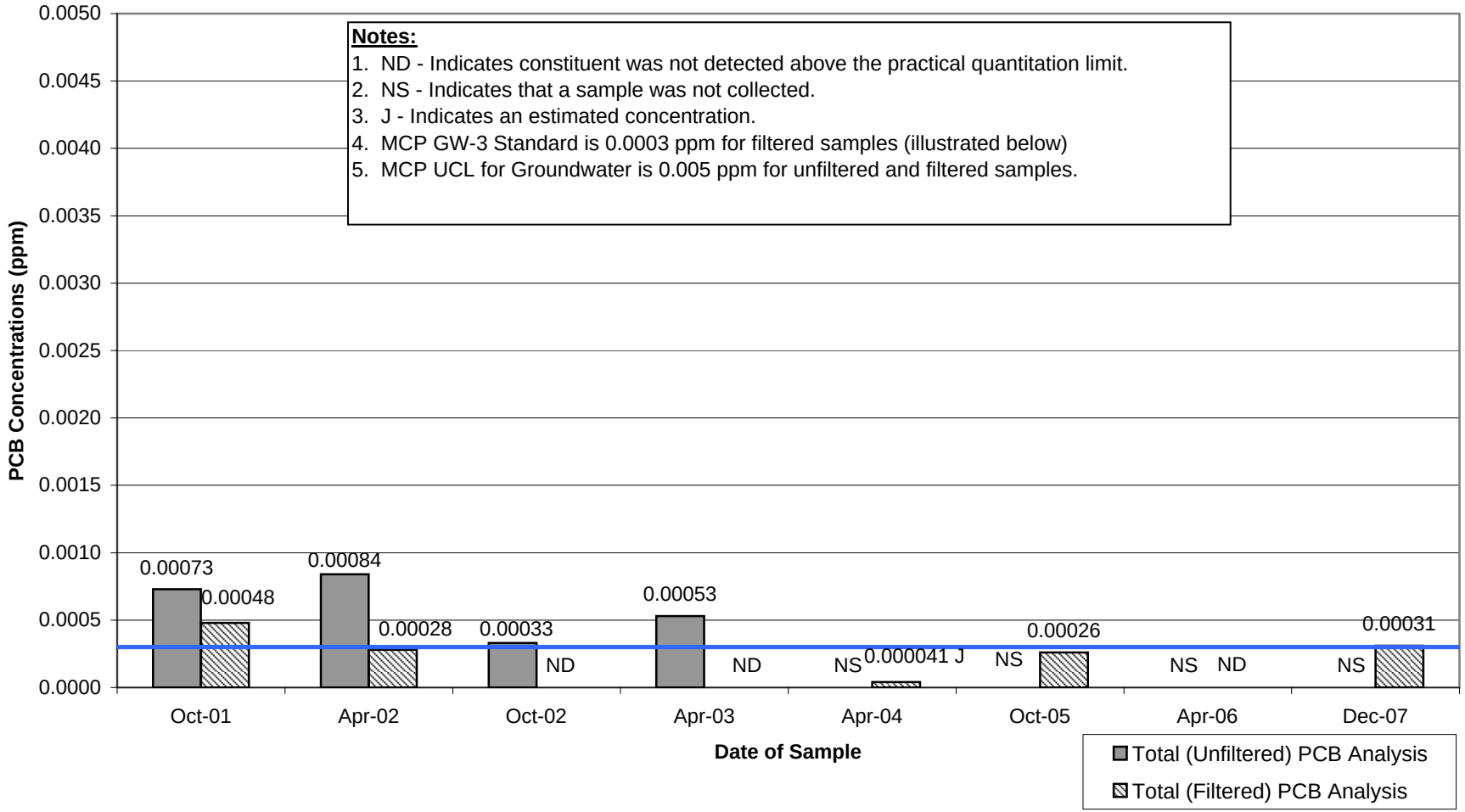
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well N2SC-07S Historical PCB Concentrations



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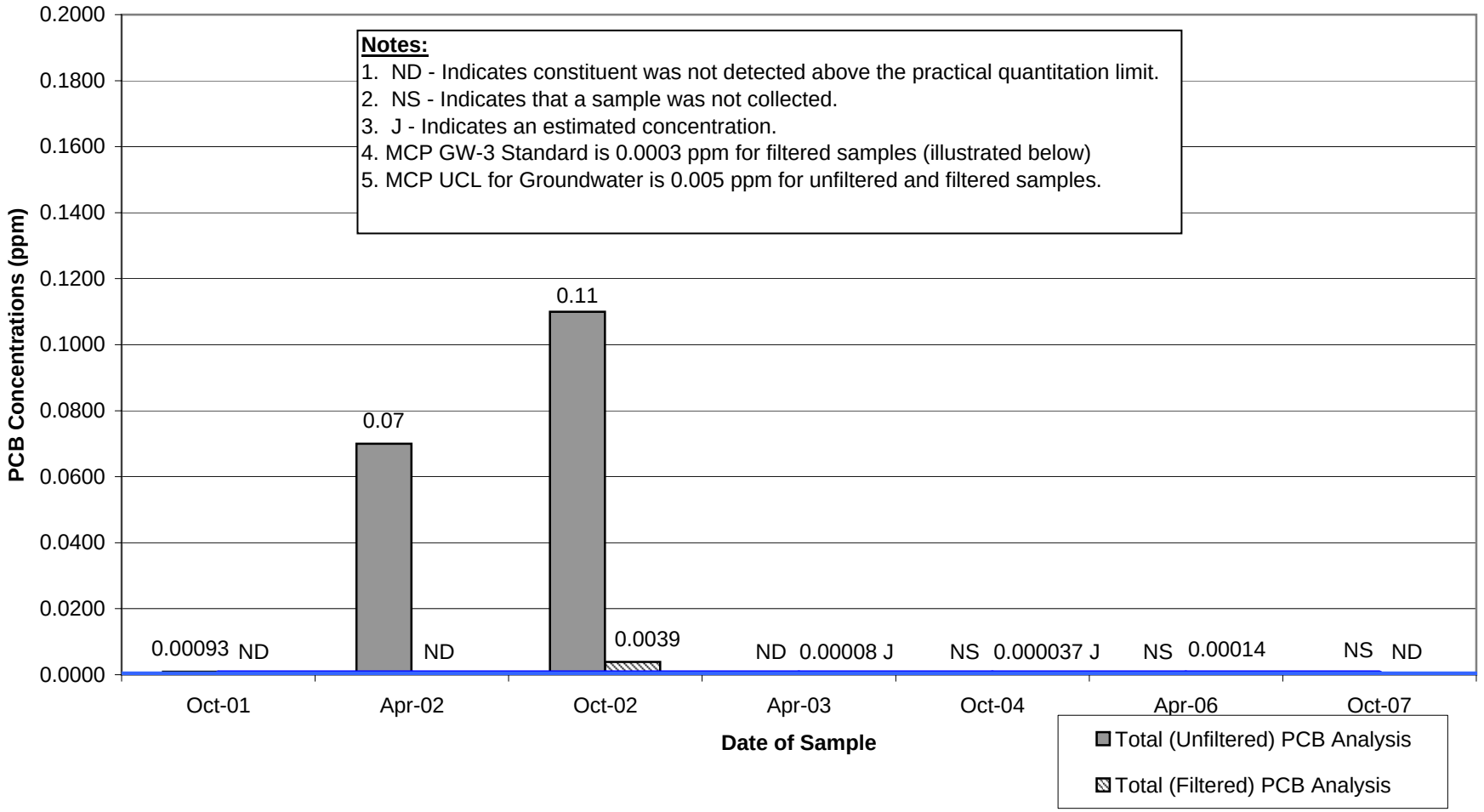
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ES1-8, ESA1S-33, & 72R Historical PCB Concentrations



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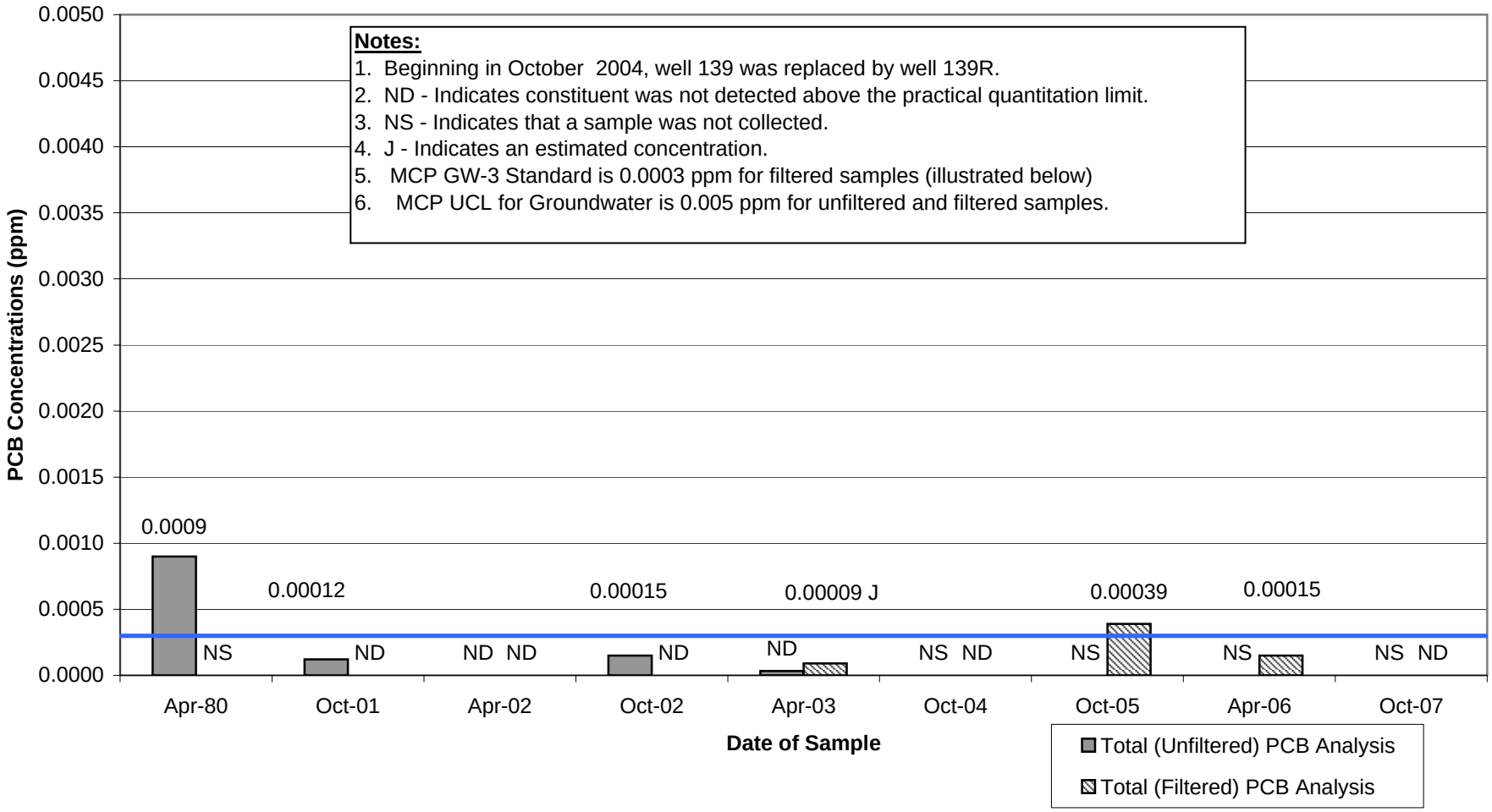
Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

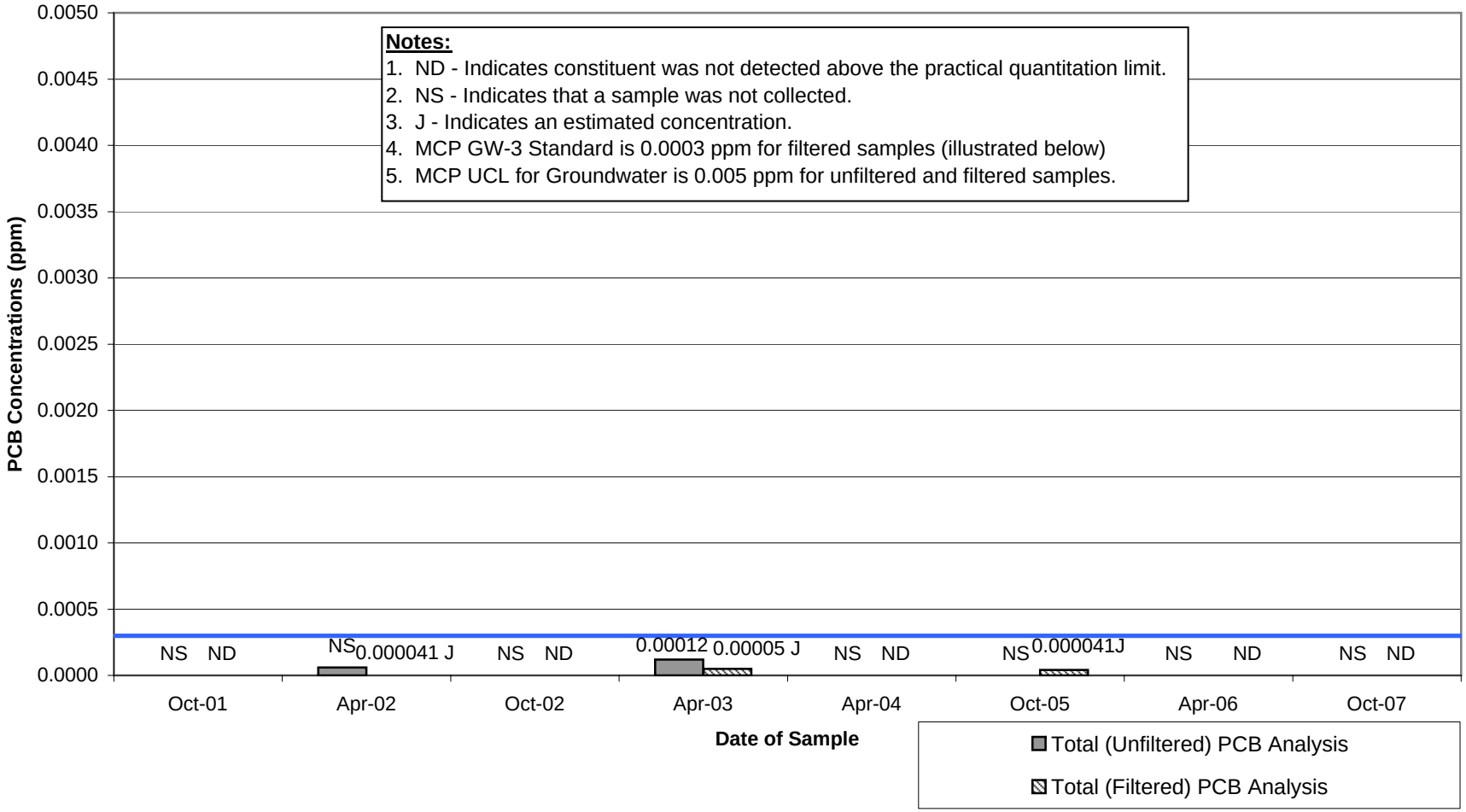
Well 139 & 139R Historical PCB Concentrations



Appendix C

Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

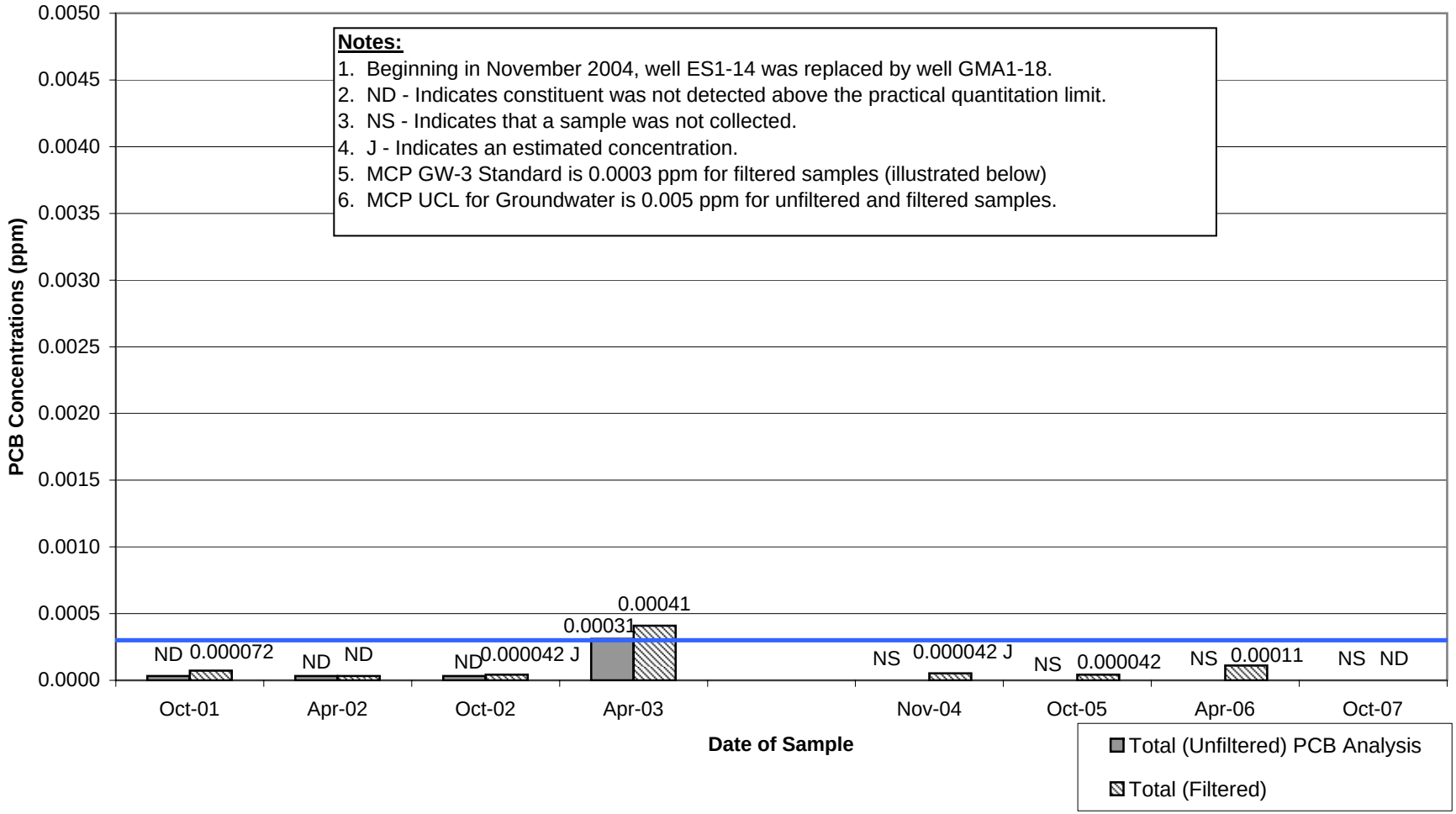
Well GMA1-6 Historical PCB Concentrations



Appendix C

Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ES1-14 & GMA1-18 Historical PCB Concentrations



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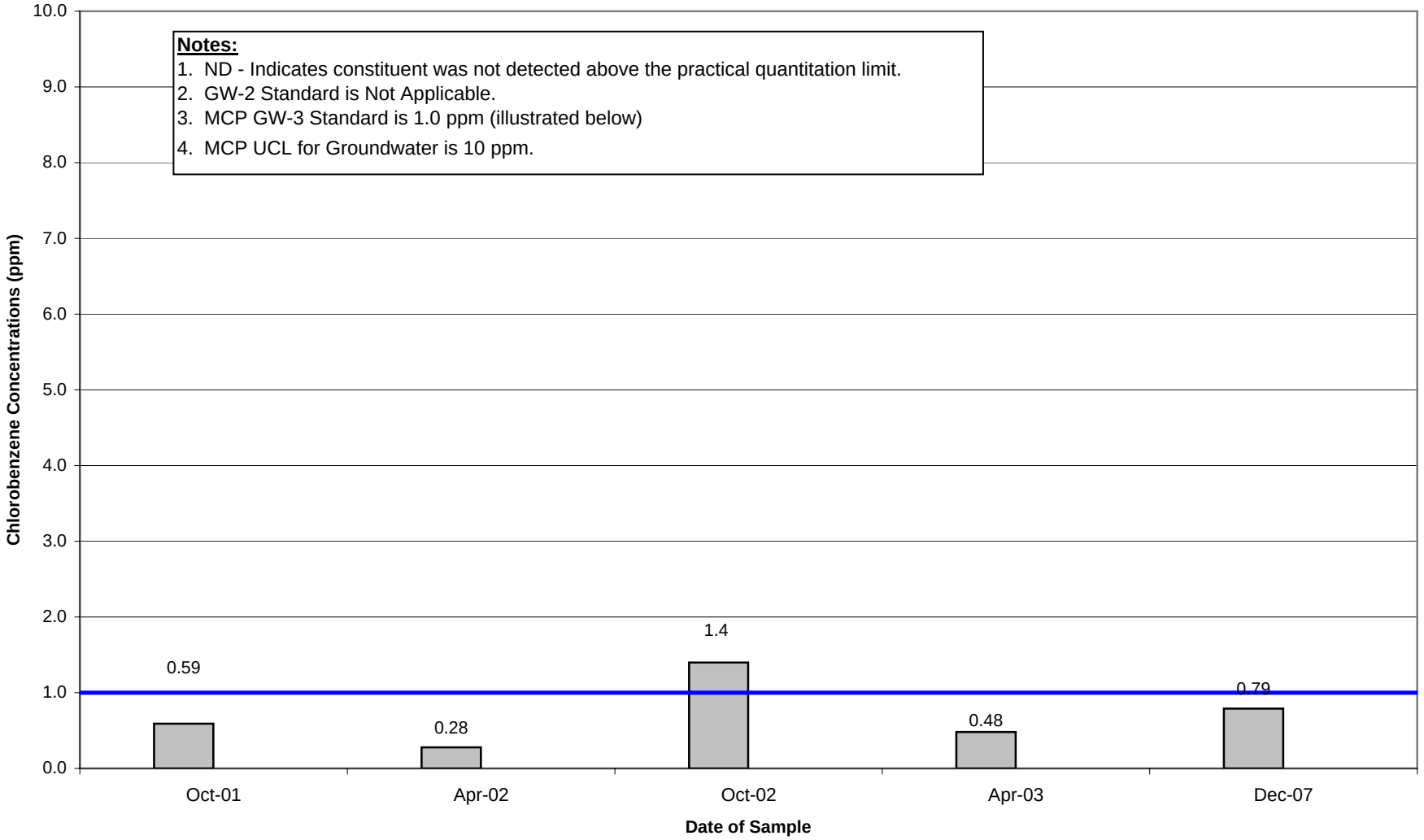
Historical Groundwater Data

Chlorobenzene Concentrations – Selected Wells Sampled in Fall 2007

Appendix C

Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

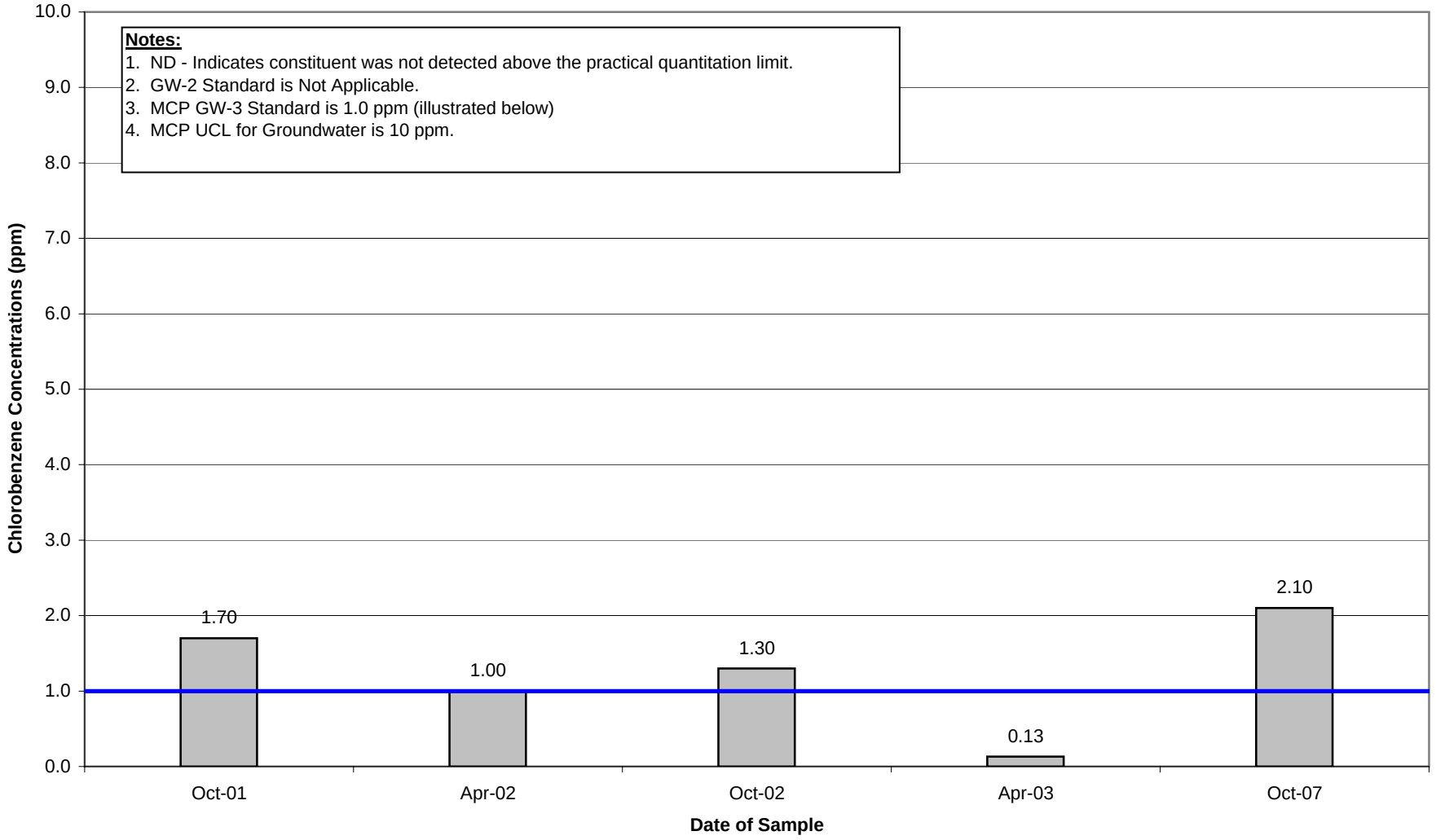
Well 3-6C-EB-14 Historical Chlorobenzene Concentrations



Appendix C

Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts

Well ES2-02A Historical Chlorobenzene Concentrations



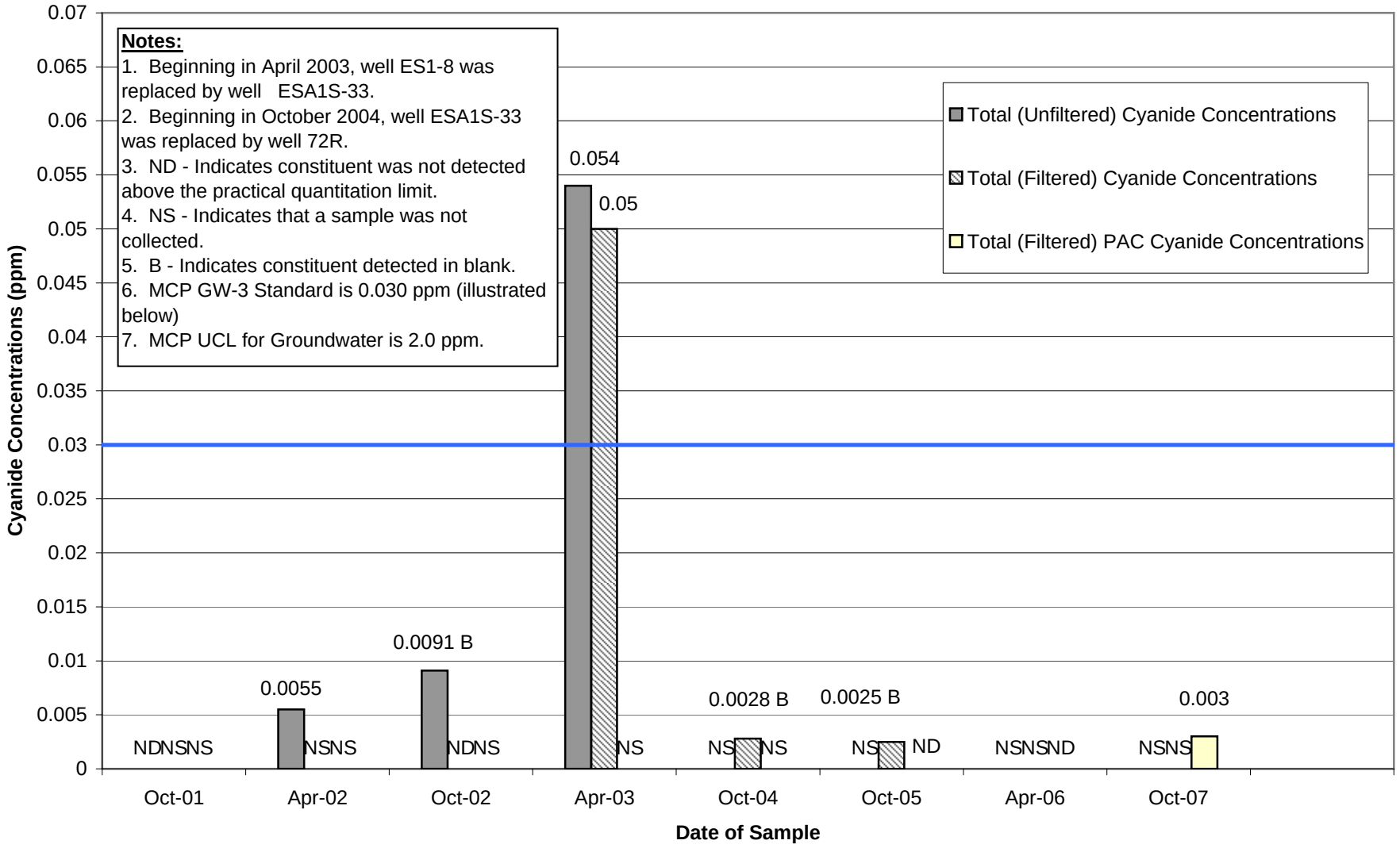
ARCADIS

Historical Groundwater Data

Cyanide Concentrations – Selected Wells Sampled in Fall 2007

Appendix C

Groundwater Management Area 1
General Electric Company
Pittsfield, Massachusetts
Well ES1-8, ESA1S-33, & 72R Unfiltered and Filtered Total and Physiologically Available Cyanide Concentrations



ARCADIS

Appendix D

Data Validation Report

Appendix D
Groundwater Sampling Data Validation Report
Groundwater Management Area 1 - Fall 2007

General Electric Company
Pittsfield, Massachusetts

1.0 General

This appendix summarizes the data validation review performed on behalf to the General Electric Company (GE) for groundwater samples collected between October and December 2007 as part of groundwater sampling activities conducted at Groundwater Management Area 1, located at the General Electric Company/Housatonic River Site 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 Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for 21 PCB samples, 18 volatile organic compound (VOC) samples, four semi-volatile organic compound (SVOC) samples, three metal samples, and three cyanide samples.

2.0 Data Evaluation Procedures

This appendix 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 (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts,* ARCADIS BBL (submitted by GE on March 30, 2007 and approved by EPA on June 13, 2007)*;*

- *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); and

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (Draft, December 1996).

The data were validated to either a Tier I or Tier II level, as described below. Any deviations from the applicable quality control criteria utilized during the data review process are identified below. A tabulated summary of the Tier I/Tier II data review is presented in Table D-1. Each sample subject to evaluation is listed in Table D-1 to document that data review was performed. Samples that required data qualification are listed separately.

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. Non-detect sample results are presented as ND(PQL) within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River 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 for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.

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

Section 7.5 of the FSP/QAPP states that 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* (EPA guidelines). The Tier I review consisted of a completeness evidence audit, as outlined in the *EPA Region I CSF Completeness Evidence Audit Program* (EPA Region I, July 31, 1991), to ensure that 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 EPA Region I Tier I data completeness requirements.

The Tier II data review consisted of a review of 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. Additionally, field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

A tabulated summary of the samples subject to Tier I and Tier II data review 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	18	2	1	21
VOCs	0	0	0	9	2	7	18
SVOCs	0	0	0	2	1	1	4
Metals	0	0	0	1	1	1	3
Cyanide	0	0	0	1	1	1	3
Total	**0**	**0**	**0**	**31**	**7**	**11**	**49**

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 EPA 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 in Section 4 below.

4.0 Summary of QA/QC Parameter Deviations Requiring Data Qualification

This section provides a summary of the deviations from the applicable QA/QC criteria that resulted in qualification of results.

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 achieved. The compounds that did not achieve 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	1,2-Dibromo-3-chloropropane	18	J
	1,4-Dioxane	18	J
	2-Butanone	18	J
	2-Chloroethylvinylether	16	J
	Acetone	15	J
	Acetonitrile	18	J
	Acrolein	18	J
	Acrylonitrile	18	J
	Isobutanol	18	J
	Propionitrile	18	J
SVOCs	4-Phenylenediamine	3	J
	Aramite	3	J
	Hexachlorophene	4	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% and PCBs be less than 15%. 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
PCBs	All Aroclors	1	J
VOCs	1,4-Dioxane	3	J
	Bromoform	9	J
	Bromomethane	12	J
	Iodomethane	5	J
	Isobutanol	3	J
SVOCs	1-Naphthylamine	1	J
	2-Methylphenol	3	J
	2-Naphthylamine	4	J
	2-Picoline	3	J
	3,3'-Dimethylbenzidine	1	J
	4-Phenylenediamine	1	J
	a,a'-Dimethylphenethylamine	4	J
	Aramite	4	J
	Benzidine	4	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 these 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
Inorganics	Barium	1	J
	Beryllium	1	J
	Cadmium	1	J
	Chromium	1	J
	Copper	3	J
	Lead	1	J
	Nickel	2	J
	Selenium	2	J
	Silver	1	J
	Thallium	3	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery must be within the laboratory-generated QC control limits specified on the MS reporting form. 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). Non-detect organic sample results that exhibited MS/MSD recoveries below 10% were qualified as rejected (R). The compound that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compound Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	2-Chloroethylvinylether	2	R

MS/MSD sample analysis recovery criteria for organics require that the RPD between the MS and MSD recoveries be less than the laboratory-generated QC acceptance limits specified on the MS/MSD reporting form. The compounds that exceeded the RPD limit and the number of samples qualified due to deviations are presented in the following table.

Compounds Qualified Due to MS/MSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Bromoform	1	J
SVOCs	3,3'-Dichlorobenzidine	1	J

Blank action levels for compounds/analytes detected in the blanks were calculated at five times the blank concentrations. Detected sample results that were below the blank action level were qualified with a “U.” The compound/analytes detected in method/analytical blanks which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

Compound/Analytes Qualified Due to Blank Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Acetone	1	U
Inorganics	Arsenic	2	U
	Beryllium	1	U
	Chromium	2	U
	Copper	1	U
	Lead	2	U

Surrogate compounds are analyzed with every organic sample to aid in evaluation of the sample extraction efficiency. As specified in the FSP/QAPP, at least one of the PCB surrogate compounds must have a recovery between laboratory-specified control limits. Associated sample results were qualified as estimated (J) for all compounds when surrogate recovery criteria were outside control limits and greater than 10%. 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	All Aroclors	3	J

Holding time criterion for PCBs require that samples be analyzed within 40 days of extraction. The analytes that exceeded the analysis holding time and the number of samples qualified due to deviations are presented in the following table.

Analytes Qualified Due to Analysis Holding Time Deviations

Analysis	Analyte	Number of Affected Samples	Qualification
PCBs	All Aroclors	2	J

5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability. 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/II data validation reviews. The percent usability calculation also includes quality control samples (i.e., field/equipment blanks, trip blanks, and field duplicates) to aid in the evaluation of data usability. Data usability is summarized in the following table.

Data Usability

Parameter	Percent Usability	Rejected Data
VOCs	99.8	A total of two sample results were rejected due to MS/MSD recovery deviations.
SVOCs	100	None
PCBs	100	None
Metals	100	None
Cyanide	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 LCS/LCSD samples. For this analytical program, 0.12% of the data required qualification due to MS/MSD RPD deviations. None of the data required qualification due to laboratory duplicate RPD deviations, field duplicate RPD deviations, or LCS/LCSD RPD 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, LCS/LCSDs, MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 14.8% of the data required qualification due to instrument calibration deviations, 0.12% of the data required qualification due to MS/MSD recovery deviations 0.95% of the data required qualification due to CRDL recovery deviations, and 1.4% of the data required qualification due to surrogate compound recovery deviations. None of the data required qualification due to internal standard or LCS/LCSD recoveries.

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 the EPA-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 EPA-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 data set, 0.95% of the data required qualification due to analysis 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. Specifically, all the groundwater samples collected between October and December 2007 were analyzed by EPA SW-846 method 8082 for PCBs, 8260 for VOCs, 8270 for SVOCs, 6000/7000 for metals, and 9014 for cyanide.

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 99.8% to 100% for individual analytical parameters and had an overall usability of 99.9%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

Table D-1
Analytical Data Validation Summary
Groundwater Sampling Data Validation Report
Groundwater Management Area 1 - Fall 2007

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											
G135-507	GMA1-13 (Filtered)	10/12/2007	Water	Tier II	No						
G135-507	RF-02 (Filtered)	10/12/2007	Water	Tier II	No						
G135-516	GMA1-DUP-1 (Filtered)	10/17/2007	Water	Tier II	No						Parent Sample LSSC-08S (Filtered)
G135-516	LSSC-08S (Filtered)	10/17/2007	Water	Tier II	No						
G135-519	ESA1N-52 (Filtered)	10/18/2007	Water	Tier II	Yes	Aroclor-1016	CCAL %D	30.3%	<15%	ND(0.000072) J	
						Aroclor-1016	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J	
						Aroclor-1221	CCAL %D	30.3%	<15%	ND(0.000072) J	
						Aroclor-1221	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J	
						Aroclor-1232	CCAL %D	30.3%	<15%	ND(0.000072) J	
						Aroclor-1232	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J	
						Aroclor-1242	CCAL %D	30.3%	<15%	ND(0.000072) J	
						Aroclor-1242	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J	
						Aroclor-1248	CCAL %D	30.3%	<15%	ND(0.000072) J	
						Aroclor-1248	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J	
						Aroclor-1254	CCAL %D	30.3%	<15%	ND(0.000072) J	
						Aroclor-1254	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J	
						Aroclor-1260	CCAL %D	30.3%	<15%	ND(0.000072) J	
						Aroclor-1260	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J	
						Total PCBs	CCAL %D	30.3%	<15%	ND(0.000072) J	
						Total PCBs	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J	
G135-519	GMA1-25 (Filtered)	10/18/2007	Water	Tier II	Yes	Aroclor-1016	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
						Aroclor-1221	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
						Aroclor-1232	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
						Aroclor-1242	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
						Aroclor-1248	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
						Aroclor-1254	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
						Aroclor-1260	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
						Total PCBs	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
G135-519	GMA1-27 (Filtered)	10/18/2007	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J	
						Aroclor-1221	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J	
						Aroclor-1232	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J	
						Aroclor-1242	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J	
						Aroclor-1248	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J	
						Aroclor-1254	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J	
						Aroclor-1260	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J	
						Total PCBs	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J	
G135-519	GMA1-DUP-2 (Filtered)	10/18/2007	Water	Tier II	No						Parent Sample GMA1-25
G135-521	ES1-05 (Filtered)	10/19/2007	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J	
						Aroclor-1221	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J	
						Aroclor-1232	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J	
						Aroclor-1242	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J	
						Aroclor-1248	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J	
						Aroclor-1254	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J	
						Aroclor-1260	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J	
						Total PCBs	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J	
G135-521	ES1-27R (Filtered)	10/19/2007	Water	Tier II	No						
G135-524	GMA1-18 (Filtered)	10/22/2007	Water	Tier II	No						
G135-524	GMA1-6 (Filtered)	10/23/2007	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J	
						Aroclor-1221	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J	
						Aroclor-1232	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J	
						Aroclor-1242	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J	
						Aroclor-1248	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J	
						Aroclor-1254	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J	
						Aroclor-1260	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J	
						Total PCBs	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J	
G135-528	139R (Filtered)	10/23/2007	Water	Tier II	No						
G135-528	72R (Filtered)	10/23/2007	Water	Tier II	No						
G135-528	E2SC-24 (Filtered)	10/24/2007	Water	Tier II	No						
G135-535	E2SC-23 (Filtered)	10/25/2007	Water	Tier II	No						
G135-535	HR-G3-MW-1 (Filtered)	10/25/2007	Water	Tier II	No						
G135-535	LS-29 (Filtered)	10/25/2007	Water	Tier II	No						
G135-535	LSSC-18 (Filtered)	10/25/2007	Water	Tier II	No						
G135-569	GMA-1-RB-1 (Filtered)	12/4/2007	Water	Tier II	No						
G135-569	N2SC-07S (Filtered)	12/4/2007	Water	Tier II	No						

Table D-1
Analytical Data Validation Summary
Groundwater Sampling Data Validation Report
Groundwater Management Area 1 - Fall 2007

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											
G135-528	72R (Filtered)	10/23/2007	Water	Tier II	Yes	Arsenic	Method Blank	-	-	ND(0.0100)	
						Beryllium	Method Blank	-	-	ND(0.0100)	
G135-528	72R (Filtered)	10/23/2007	Water	Tier II	Yes	Chromium	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	140.0%	80% to 120%	0.0260 J	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	74.0%	80% to 120%	ND(0.0500) J	
						Selenium	CRDL Standard %R	79.6%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	52.3%	80% to 120%	ND(0.0100) J	
G135-528	GMA1-DUP3 (Filtered)	10/23/2007	Water	Tier II	Yes	Arsenic	Method Blank	-	-	ND(0.0100)	Parent Sample 72R (Filtered)
						Chromium	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	140.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	74.0%	80% to 120%	ND(0.0500) J	
						Selenium	CRDL Standard %R	79.6%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	52.3%	80% to 120%	ND(0.0100) J	
G135-569	GMA-1-RB-1 (Filtered)	12/4/2007	Water	Tier II	Yes	Barium	CRDL Standard %R	125.0%	80% to 120%	0.0238 J	
						Beryllium	CRDL Standard %R	201.0%	80% to 120%	0.00525 J	
						Cadmium	CRDL Standard %R	174.0%	80% to 120%	0.00463 J	
						Chromium	CRDL Standard %R	139.0%	80% to 120%	0.00489 J	
						Copper	CRDL Standard %R	179.0%	80% to 120%	0.00741 J	
						Lead	CRDL Standard %R	152.0%	80% to 120%	0.00578 J	
						Silver	CRDL Standard %R	146.0%	80% to 120%	0.00398 J	
						Thallium	CRDL Standard %R	50.4%	80% to 120%	ND(0.0100) J	
VOCs											
G135-516	LSSC-16S	10/17/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-516	MW-4R	10/17/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-516	Trip Blank	10/17/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	

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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)											
G135-519	GMA1-25	10/18/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	0.0025 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
G135-519	GMA1-25	10/18/2007	Water	Tier II	Yes	Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-519	GMA1-27	10/18/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Bromoform	MS/MSD RPD	110.0%	<30%	ND(0.0010) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-519	GMA1-DUP-2	10/18/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	Parent Sample GMA1-25
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-519	Trip Blank	10/18/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-524	GMA1-6	10/23/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	0.0047 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.7%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	27.8%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	

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Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-524	Trip Blank	10/23/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.7%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	27.8%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-528	72R	10/23/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
G135-528	72R	10/23/2007	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.7%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	27.8%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-528	GMA1-DUP3	10/23/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	Parent Sample 72R
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetone	Trip Blank	-	-	ND(0.0050)	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.7%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	27.8%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-528	TripBlank	10/24/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	0.0027 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.7%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	27.8%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-535	ES2-02A	10/25/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.50) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(10) J	
						1,4-Dioxane	CCAL %D	100.0%	<25%	ND(10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.50) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(1.3) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.50) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(2.0) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(2.5) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(2.5) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(5.0) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(5.0) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(2.0) J	

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VOCs (continued)											
G135-535	ESA2S-64	10/25/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.40) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(8.0) J	
						1,4-Dioxane	CCAL %D	100.0%	<25%	ND(8.0) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.40) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(1.0) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.40) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(1.6) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(2.0) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(2.0) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(4.0) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(4.0) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(1.6) J	
G135-535	Trip Blank	10/25/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						1,4-Dioxane	CCAL %D	100.0%	<25%	ND(0.10) J	
G135-535	Trip Blank	10/25/2007	Water	Tier II	Yes	2-Butanone	ICAL RRF	0.044	>0.05	0.0030 J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	0.0025 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
G135-569	3-6C-EB-14	12/4/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(1.0) J	
						1,4-Dioxane	ICAL RRF	0.000	>0.05	ND(20) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(1.0) J	
						2-Chloroethylvinylether	ICAL RRF	0.015	>0.05	ND(2.5) J	
						Acetonitrile	ICAL RRF	0.008	>0.05	ND(4.0) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(5.0) J	
						Acrylonitrile	ICAL RRF	0.025	>0.05	ND(5.0) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(10) J	
						Propionitrile	ICAL RRF	0.004	>0.05	ND(4.0) J	
G135-569	GMA-1-RB-1	12/4/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.000	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.015	>0.05	ND(0.013) J	
						Acetonitrile	ICAL RRF	0.008	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.025	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.004	>0.05	ND(0.020) J	
G135-569	Trip Blank	12/3/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.000	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.015	>0.05	ND(0.013) J	
						Acetonitrile	ICAL RRF	0.008	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.025	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.004	>0.05	ND(0.020) J	

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SVOCs											
G135-519	GMA1-25	10/18/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	39.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	35.7%	<25%	ND(0.050) J	
						2-Picoline	CCAL %D	36.4%	<25%	ND(0.010) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	64.4%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	131.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	85.9%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-519	GMA1-27	10/18/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	39.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	35.7%	<25%	ND(0.050) J	
						2-Picoline	CCAL %D	36.4%	<25%	ND(0.010) J	
						3,3'-Dichlorobenzidine	MS/MSD RPD	33.4%	<30%	ND(0.020) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	64.4%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	131.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	85.9%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-519	GMA1-DUP-2	10/18/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	39.4%	<25%	ND(0.010) J	Parent Sample GMA1-25
						2-Naphthylamine	CCAL %D	35.7%	<25%	ND(0.050) J	
						2-Picoline	CCAL %D	36.4%	<25%	ND(0.010) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	64.4%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	131.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	85.9%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-569	GMA-1-RB-1	12/4/2007	Water	Tier II	Yes	1-Naphthylamine	CCAL %D	93.8%	<25%	ND(0.025) J	
G135-569	GMA-1-RB-1	12/4/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	29.2%	<25%	ND(0.025) J	
						3,3'-Dimethylbenzidine	CCAL %D	62.2%	<25%	ND(0.025) J	
						4-Phenylenediamine	CCAL %D	95.9%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	31.9%	<25%	ND(0.025) J	
						Aramite	CCAL %D	31.3%	<25%	ND(0.0050) J	
						Benzidine	CCAL %D	33.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.023	>0.05	ND(0.0050) J	
Cyanide-MADEP (PAC)											
G135-528	72R (Filtered)	10/23/2007	Water	Tier II	No						
G135-528	GMA1-DUP3 (Filtered)	10/23/2007	Water	Tier II	No						
G135-569	GMA-1-RB-1 (Filtered)	12/4/2007	Water	Tier II	No						

ARCADIS

Appendix E

Monitoring Results for Adjacent MCP Disposal Site

O'Connell Mobil
730 East Street
Pittsfield, Massachusetts

Table 1 (1 of 2)
Oxygen Sparge Monitoring
September 11, 2006* to August 31, 2007

Date	Oxygen Sparge Legs[1]										Total Flow SCFH	Tank 1	Tank 2	Comments
	AS-1		AS-2		AS-3		AS-4		AS-5					
	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)		psi	psi	
9/15/06	2.0	2.0	4.0	1.5	1.5	1.5	1.75	1.0	1.5	1.0	10.8	170	160	System start-up
9/21/06	1.5	3.0	1.5	5.0	1.5	2.0	1.5	2.0	2.0	2.0	8.0	140	125	
10/10/06	1.5	3.0	1.5	5.0	1.5	2.0	1.5	2.0	1.5	2.0	7.5	210	190	Departure readings Tanks E on 10/6/06 (D)
10/23/06	1.25	4.0	1.5	5.0	1.5	3.5	1.5	3.5	2.0	3.0	7.8	150	140	
11/7/06	1.5	4.0	1.5	5.0	1.5	2.5	1.5	2.5	1.5	2.5	7.5	190	205	Departure readings Tanks E on arrival (D)
11/20/06	1.5	4.0	1.0	6.0	1.5	3.0	1.5	3.0	1.5	3.0	7.0	158	158	
12/4/06	1.5	4.0	1.5	6.0	1.5	3.0	1.5	3.0	1.5	2.5	7.5	220	235	Departure readings Tanks E on arrival (D)
12/18/06	1.5	4.0	1.0	6.0	1.0	3.0	1.5	2.5	1.0	3.0	6.0	180	205	
1/2/07	1.5	4.0	1.5	6.0	1.5	3.5	1.5	2.5	1.5	3.0	7.5	224	221	Departure readings Tanks E on arrival (D)
1/15/07	1.5	4.0	1.0	6.0	1.0	3.0	1.3	2.5	1.0	2.5	5.8	110	100	
1/29/07	1.5	4.0	1.5	3.0	1.5	4.0	1.5	4.0	1.5	2.5	7.5	245	240	Departure readings Tanks E on arrival (D)
2/12/07	1.5	4.0	1.0	5.5	1.0	3.0	1.5	3.0	1.5	2.5	6.5	141	141	
2/26/07	1.5	4	1.5	6	1.5	2.5	1.5	3	1.5	2	7.5	121	240	Departure readings Tanks E on arrival (D)
3/12/07	1.5	4	1	6	1	2.5	1.5	3	1	2.5	6	81	90	
3/26/07	1.5	5	1.5	6	1.5	4	1.5	4	1.5	3	7.5	245	230	Departure readings Tanks E on arrival (D)
4/10/07	1.25	5	1	6.5	1.25	4	1.25	4	1	4	5.75	160	140	
4/25/07	1.5	6	1.5	5	1.5	5	1.5	5	1.5	4	7.5	231	91	Departure readings Tanks E on arrival (D)
5/7/07	1.5	5	1.25	5	2.25	5	2	5	1.25	4	8.25	91	110	
5/24/07	1.5	5	1.5	6.5	1.5	5	1.5	4.5	1.5	4	7.5	235	225	Departure readings Tanks E on arrival (D)
6/4/07	1.5	5	1.5	6.5	1.5	4.5	2	4	2	3	8.5	130	120	
6/18/07	1.5	5	1.5	6	1.5	8	1.5	4	1.5	3	7.5	172	230	Departure readings Tanks E on arrival (D)
7/3/07	1.5	5	1	6	1.5	4.5	1.5	4	1	3	6.5	210	200	
7/16/07	NA	NA	4	6	4	5	4	4	4	3	16	192	221	Departure readings Tanks E on arrival (D)
8/1/07	NA	NA	3.5	6	4	5	4	4	3.5	3	15	85	92	
8/13/07	NA	NA	4	6	NA	NA	4	4	1.5	3	9.5	200	270	Departure readings Tanks E on arrival (D)
8/27/07	NA	NA	0.5	2.5	NA	NA	0	0	0	0	0.5	0	25	Tanks E on arrival and departure.
8/31/07	NA	NA	3	6	NA	NA	3	4	1.5	3	7.5	NM	NM	Departure readings Tanks E on arrival (D)

NOTES:

[1] Each Oxygen sparge leg is 2-inch diameter.

All readings were recorded upon arrival unless otherwise noted.

SCFH = cubic feet per hour; psi = pounds per square inch

NA = Not available - Oxygen sparge leg not in operation. NR = No reading taken. E = Empty. D = Delivery.

*Oxygen sparge system activated September 11, 2006.

O'Connell Mobil
730 East Street
Pittsfield, Massachusetts

Table 1 (2 of 2)
Oxygen Sparge Monitoring
September 11, 2006* to August 31, 2007

Date	Oxygen Sparge Legs[1]										Total Flow SCFH	Tank 1	Tank 2	Comments
	AS-6		AS-7		AS-8		AS-9		AS-10					
	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)		psi	psi	
9/11/06	1.0	0.5	1.5	1.5	1.0	1.5	2.0	1.5	1.0	1.5	6.5	170	160	System start-up
9/21/06	1.8	2.0	1.5	2.5	1.5	1.0	1.3	2.0	1.5	2.0	7.5	140	125	
10/10/06	1.5	2.0	1.5	3.0	1.5	1.5	1.5	2.5	1.5	3.0	7.5	210	190	Departure readings Tanks E on 10/6/06 (D)
10/23/06	2.0	3.5	1.5	4.0	1.5	3.0	1.5	4.0	1.5	4.0	8.0	150	140	
11/7/06	1.5	3.5	1.5	4.0	1.5	2.0	1.5	3.5	1.5	3.0	7.5	190	205	Departure readings Tanks E on arrival (D)
11/20/06	1.5	2.5	1.5	5.0	1.5	2.5	1.0	5.0	1.5	4.5	7.0	158	158	
12/4/06	1.5	4.0	1.5	4.5	1.5	2.0	1.5	5.0	1.5	4.0	7.5	220	235	Departure readings Tanks E on arrival (D)
12/18/06	0.75	4.0	0.5	4.0	1	2.0	0.5	4.5	0.5	4.0	3.3	180	205	
1/2/07	1.5	3.0	1.5	4.0	1.5	2.0	1.5	5.0	1.5	5.0	7.5	224	221	Departure readings Tanks E on arrival (D)
1/15/07	1.5	3.0	1.5	3.0	1	2.0	1.0	5.0	1.5	5.0	6.5	110	100	
1/29/07	1.5	4.0	1.5	5.0	1.5	3.0	1.5	5.0	1.5	5.0	7.5	245	240	Departure readings Tanks E on arrival (D)
2/12/07	1.0	4.0	1	5.0	1	3.0	1.0	5.0	1.5	5.0	5.5	141	141	
2/26/07	1.5	4	1.5	4	1.5	3	1.5	5	1.5	5	7.5	121	240	Departure readings Tanks E on arrival (D)
3/12/07	1.5	3	1	4	1.25	2	0.75	5	1	5	5.5	81	90	
3/26/07	1.5	5	1.5	5	1.5	4	1.5	5	1.5	6	7.5	245	230	Departure readings Tanks E on arrival (D)
4/10/07	1	4	1.5	5	1.25	2	1	5	1	5.5	5.75	160	140	
4/25/07	1.5	5	1.5	6	1.5	5	1.5	6.5	1.5	10	7.5	231	91	Departure readings Tanks E on arrival (D)
5/7/07	1.5	5	2	6	2	4.5	2	6	1.5	6.5	9	91	110	
5/24/07	1.5	5	1.5	5.25	1.5	4	1.5	6	1.5	7	7.5	235	225	Departure readings Tanks E on arrival (D)
6/4/07	1.5	5	1.5	5	1.25	4	1	5.5	1.5	6	6.75	130	120	
6/18/07	1.5	5	1.5	5	1.5	4	1.5	5	1.5	7	7.5	172	230	Departure readings Tanks E on arrival (D)
7/3/07	1	4.5	1.5	5	1.5	4	1	5.5	1.75	6	6.75	210	200	
7/16/07	NA	NA	NA	NA	NA	NA	NA	NA	4	7	4	192	221	Departure readings Tanks E on arrival (D)
8/1/07	NA	NA	NA	NA	NA	NA	NA	NA	3.75	7	3.75	85	92	
8/13/07	4	4	1.5	3	NA	NA	NA	NA	4	9	9.5	200	270	Departure readings Tanks E on arrival (D)
8/27/07	0	0	0	0	NA	NA	NA	NA	0	0	0	0	25	Tanks E on arrival and Departure.
8/31/07	3	4	1.5	4	NA	NA	NA	NA	3	4	7.5	NM	NM	Departure readings Tanks E on arrival (D)

NOTES:
[1] Each Oxygen sparge leg is 2-inch diameter.
All readings were recorded upon arrival unless otherwise noted.
SCFH = cubic feet per hour; psi = pounds per square inch
NA = Not available - Oxygen sparge leg not in operation. NR = No reading taken. E = Empty. D = Delivery.
*Oxygen sparge system activated September 11, 2006.

O'Connell Oil/Mobil Station
730 East Street
Pittsfield, Massachusetts

Table 2
Groundwater Geochemical Monitoring Data

Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
ECS-1	**11/8/99**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.19	**12/19/02**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.02	**9/8/05**	11.78	85.24	5.06	750	4.91	549	4.48	26.2	0.015
	1/25/06	8.49	88.53	7.31	108	2.71	68.0	2.16	23.4	3.90
	4/11/06	11.38	85.64	7.04	926	4.00	10.0	4.45	27.6	<0.01
	7/20/06	11.72	85.30	4.78	814	2.98	590	3.85	27.5	<0.01
	10/10/06	12.21	84.81	NA	NA	NA	NA	NS	NS	NS
	1/25/07	11.34	85.68	7.65	620	4.87	33.0	3.70	25.9	<0.01
	2/26/07	11.29	85.73	7.82	NM	2.67	182.6	NS	NS	NS
	4/24/07	9.89	87.13	NA	NA	NA	NA	NS	NS	NS
ECS-2	**11/8/99**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.76	**12/19/02**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.60	**9/8/05**	12.44	85.16	5.94	975	0.48	-9.5	NS	NS	NS
	11/1/05	10.65	86.95	6.89	1410	0.87	-65.9	NS	NS	NS
	1/25/06	10.16	87.44	6.84	781	1.52	-93.0	NS	NS	NS
	4/10/06	12.09	85.51	6.70	1,118	0.62	10.0	NS	NS	NS
	7/20/06	12.42	85.18	3.40	1,601	0.29	572	NS	NS	NS
	9/15/06	13.44	84.16	6.99	NM	3.88	-36.8	NS	NS	NS
	9/21/06	13.00	84.60	6.97	NM	11.68	237	NS	NS	NS
	10/6/06	12.84	84.76	6.97	NM	2.27	60.3	NS	NS	NS
	10/10/06	12.92	84.68	NM	805	0.63	28.0	NS	NS	NS
	10/23/06	12.25	85.35	6.28	NM	0.80	NM	NS	NS	NS
	11/7/06	12.21	85.39	6.67	NM	8.83	-60.8	NS	NS	NS
	11/20/06	11.58	86.02	7.12	NM	8.94	161.7	NS	NS	NS
	12/4/06	12.06	85.54	7.19	NM	9.96	228.8	NS	NS	NS
	12/18/06	12.54	85.06	6.20	NM	9.40	10.9	NS	NS	NS
	1/2/07	12.44	85.16	7.34	NM	8.68	-122.3	NS	NS	NS
	1/15/07	11.94	85.66	7.41	NM	8.76	-133.6	NS	NS	NS
	1/25/07	12.06	85.54	7.10	838	1.84	6.0	NS	NS	NS
	1/29/07	12.21	85.39	7.07	NM	12.24	-98.9	NS	NS	NS
	2/12/07	12.74	84.86	7.34	NM	11.84	-6.2	NS	NS	NS
	2/26/07	12.01	85.59	7.28	NM	6.63	252.3	NS	NS	NS
	3/12/07	12.92	84.68	6.68	NM	14.60	32.2	NS	NS	NS
	3/26/07	11.91	85.69	6.67	NM	11.34	-66.9	NS	NS	NS
	4/10/07	11.26	86.34	7.09	NM	5.75	-1.8	NS	NS	NS
	4/24/07	10.39	87.21	4.94	1015	0.60	-27.6	NS	NS	NS
	5/7/07	11.27	86.33	5.66	NM	11.98	32.9	NS	NS	NS
	5/24/07	11.02	86.58	5.82	NM	10.45	45.7	NS	NS	NS
	6/4/07	12.13	85.47	5.52	NM	*24.65	-8.6	NS	NS	NS
	6/18/07	12.38	85.22	6.48	NM	15.23	-67.2	NS	NS	NS
	7/3/07	12.52	85.08	7.60	NM	15.09	37.0	NS	NS	NS
	7/16/07	12.81	84.79	7.25	NM	15.37	58.0	NS	NS	NS
	8/1/07	12.95	84.65	6.61	NM	14.28	-57.4	NS	NS	NS
	8/13/07	13.01	84.59	5.22	NM	15.20	-265.0	NS	NS	NS
	8/27/07	13.23	84.37	6.48	NM	19.17	-92.2	NS	NS	NS
ECS-3	**11/8/99**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.95	**12/19/02**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.76	**9/8/05**	12.65	85.11	5.64	1,418	0.87	-69.9	<1.0	<10.0	53.9
	11/1/05	10.87	86.89	6.23	694	1.52	-0.4	NS	NS	NS
	1/25/06	NG	NA	NM	NM	NM	NM	NS	NS	NS
	4/11/06	12.34	85.42	6.69	2,070	0.36	-40.0	<0.1	<1.0	10.3
	7/20/06	12.56	85.20	3.10	908	0.32	610	<0.5	27.5	14.4
	9/15/06	13.61	84.15	6.89	NM	5.24	-57.3	NS	NS	NS
	9/21/06	13.24	84.52	7.19	NM	10.88	255	NS	NS	NS
	10/6/06	13.08	84.68	6.97	NM	3.19	8.2	NS	NS	NS
	10/10/06	13.17	84.59	7.05	599	0.55	78.0	NS	NS	NS
	10/23/06	12.25	85.51	6.28	NM	2.18	NM	NS	NS	NS
	11/7/06	12.45	85.31	6.60	NM	9.35	-68.8	NS	NS	NS
	11/20/06	11.81	85.95	6.52	NM	10.34	177.8	NS	NS	NS
	12/4/06	12.31	85.45	7.24	NM	3.85	342.4	NS	NS	NS
	12/18/06	12.77	84.99	6.27	NM	8.35	-31.9	NS	NS	NS
	1/2/07	12.64	85.12	7.19	NM	7.25	-209.7	NS	NS	NS
	1/15/07	12.19	85.57	7.12	NM	7.39	-209.4	NS	NS	NS
	1/25/07	12.27	85.49	7.25	627	1.20	6.0	<0.5	28.4	5.98
	1/29/07	12.47	85.29	7.18	NM	8.72	-125.6	NS	NS	NS
	2/12/07	12.96	84.80	7.55	NM	10.63	-89.0	NS	NS	NS
	2/26/07	NG-S	NA	NM	NM	NM	NM	NS	NS	NS
	3/12/07	NG-S	NA	NM	NM	NM	NM	NS	NS	NS
	3/26/07	12.13	85.63	6.72	NM	8.71	-80.60	NS	NS	NS
	4/10/07	11.51	86.25	7.00	NM	14.93	-8.40	NS	NS	NS
	4/24/07	10.62	87.14	6.70	819	1.43	-66.8	NS	NS	NS
	5/7/07	11.52	86.24	5.24	NM	12.26	38.2	NS	NS	NS
	5/24/07	11.38	86.38	5.43	NM	9.37	49.2	NS	NS	NS
	6/4/07	12.4	85.36	5.72	NM	8.62	-16.7	NS	NS	NS
	6/18/07	12.59	85.17	6.64	NM	12.59	-141.8	NS	NS	NS
	7/3/07	12.98	84.78	7.98	NM	15.82	37.7	NS	NS	NS
	7/16/07	13.27	84.49	7.92	NM	15.98	56.4	NS	NS	NS
	8/1/07	13.18	84.58	6.78	NM	18.48	-76.9	NS	NS	NS
	8/13/07	13.26	84.50	6.77	NM	2.18	-262.7	NS	NS	NS
	8/27/07	13.48	84.28	6.77	NM	11.05	-115.8	NS	NS	NS

NOTES:
ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.
NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.
97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. **Bold** date denotes a groundwater sampling event.

O'Connell Oil/Mobil Station 730 East Street Pittsfield, Massachusetts				Table 2 Groundwater Geochemical Monitoring Data						
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
ECS-4	**11/8/99**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.06	**12/19/02**	NA	NA	NA	NA	NA	NA	NS	NS	NS
96.75	**9/8/05**	11.94	84.81	NM	NM	NM	NM	NS	NS	NS
	1/25/06	NG	NA	NM	NM	NM	NM	NS	NS	NS
	4/10/06	11.51	85.24	NM	NM	NM	NM	NS	NS	NS
	7/20/06	11.96	84.79	5.67	1,013	246	932	NS	NS	NS
	9/15/06	DRY	NA	NM	NM	NM	NM	NS	NS	NS
	9/21/06	DRY	NA	NM	NM	NM	NM	NS	NS	NS
	10/6/06	12.36	84.39	NM	NM	NM	NM	NS	NS	NS
	10/10/06	12.43	84.32	NS	NS	NS	NS	NS	NS	NS
	10/23/06	11.75	85.00	5.94	NM	2.51	NM	NS	NS	NS
	11/7/06	11.72	85.03	6.54	NM	10.47	-42.90	NS	NS	NS
	11/20/06	11.08	85.67	7.01	NM	10.25	166.30	NS	NS	NS
	12/4/06	DRY	NA	NM	NM	NM	NM	NS	NS	NS
	12/18/06	DRY	NA	NM	NM	NM	NM	NS	NS	NS
	1/2/07	11.93	84.82	6.78	NM	10.48	-36.50	NS	NS	NS
	1/15/07	11.41	85.34	6.95	NM	10.82	-86.90	NS	NS	NS
	1/25/07	11.55	85.20	NS	NM	NS	NS	NS	NS	NS
	1/29/07	11.72	85.03	6.95	NM	12.86	-35.2	NS	NS	NS
	2/12/07	12.23	84.52	NM	NM	NM	NM	NS	NS	NS
	2/26/07	NG	NA	NM	NM	NM	NM	NS	NS	NS
	3/12/07	12.42	84.33	NM	NM	NM	NM	NS	NS	NS
	3/26/07	11.39	85.36	5.87	NM	13.76	179.60	NS	NS	NS
	4/10/07	10.46	86.29	6.75	NM	12.17	64.50	NS	NS	NS
	4/24/07	9.88	86.87	5.83	891	4.95	202	NS	NS	NS
	5/7/07	11.79	84.96	6.42	NM	5.34	136	NS	NS	NS
	5/24/07	11.65	85.10	6.23	NM	4.21	150	NS	NS	NS
	6/4/07	11.63	85.12	5.72	NM	9.72	38	NS	NS	NS
	6/18/07	11.81	84.94	6.53	NM	12.81	123	NS	NS	NS
	7/3/07	12.25	84.50	7.65	NM	7.17	87	NS	NS	NS
	7/16/07	12.31	84.44	7.41	NM	7.23	83	NS	NS	NS
	8/1/07	12.47	84.28	6.58	NM	20.52	101	NS	NS	NS
	8/13/07	12.53	84.22	6.40	NM	6.61	265	NS	NS	NS
	8/27/07	12.61	84.14	6.59	NM	9.21	-89	NS	NS	NS
ECS-5	**11/8/99**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.73	**12/19/02**	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.56	**9/8/05**	12.44	85.12	5.12	893	1.47	484	NS	NS	NS
	1/25/06	10.22	87.34	7.31	830	1.67	6.0	NS	NS	NS
	4/11/06	11.15	86.41	6.81	910	2.61	18.0	NS	NS	NS
	7/20/06	12.48	85.08	4.93	803	2.63	559	NS	NS	NS
	10/10/06	12.98	84.58	NM	NM	NM	NM	NS	NS	NS
	1/25/07	12.14	85.42	NM	NM	NM	NM	NS	NS	NS
	2/26/07	12.11	85.45	8.06	NM	2.21	193.8	NS	NS	NS
	4/24/07	10.43	87.13	NA	NA	NA	NA	NS	NS	NS
ECS-6	**2/13/03**	NA	NA	NA	NA	NA	NA	NS	NS	NS
96.58	**9/8/05**	11.34	85.00	4.97	972	0.43	258	NS	NS	NS
96.34	**11/1/05**	9.57	86.77	6.67	893	1.22	26.8	NS	NS	NS
	1/25/06	9.10	87.24	6.90	907	0.60	-99.0	NS	NS	NS
	4/10/06	11.05	85.29	7.15	1,146	0.47	64.0	NS	NS	NS
	7/20/06	11.40	84.94	4.11	907	0.17	561	NS	NS	NS
	10/10/06	11.89	84.45	NM	657	0.84	86.4	NS	NS	NS
	1/25/07	10.99	85.35	7.12	802	1.91	49.0	NS	NS	NS
	4/24/07	9.35	86.99	6.71	885	0.26	-10.4	NS	NS	NS
ECS-7	**2/13/03**	NA	NA	NA	NA	NA	NA	NS	NS	NS
95.97	**9/8/05**	9.75	85.79	5.55	1,398	1.20	243	NS	NS	NS
95.54	**1/25/06**	9.05	86.49	6.85	925	0.35	16.0	NS	NS	NS
	4/10/06	9.90	85.64	6.44	1,490	0.79	180	NS	NS	NS
	7/20/06	9.78	85.76	NM	NM	NM	NM	NS	NS	NS
	10/10/06	9.96	85.58	NM	NM	NM	NM	NS	NS	NS
	1/25/07	9.70	85.84	NM	NM	NM	NM	NS	NS	NS
	4/24/07	9.47	86.07	NM	NM	NM	NM	NS	NS	NS

NOTES:

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. **Bold** date denotes a groundwater sampling event.

O'Connell Oil/Mobil Station 730 East Street Pittsfield, Massachusetts				Table 2 Groundwater Geochemical Monitoring Data						
Monitoring Well & PVC Elevation (ft)	**Monitoring Date**	**Depth to Water (ft)**	**Groundwater Elevation (ft)**	**pH (SU)**	**Specific Conductivity (µS/cm)**	**Dissolved Oxygen (mg/L)**	**Redox (mV)**	**Nitrate (mg/L)**	**Sulfate (mg/L)**	**Dissolved Iron (mg/L)**
ECS-8	**2/13/03**	NA	NA	NA	NA	NA	NA	NS	NS	NS
95.72	**9/8/05**	10.35	85.08	4.74	1,534	1.20	469	<0.1	52.6	18.3
95.43	**1/25/06**	NG	NA	NM	NM	NM	NM	NS	NS	NS
	4/11/06	9.98	85.45	6.51	193	0.16	4.0	<0.1	59.2	1.64
	7/20/06	10.28	85.15	NM	NM	NM	NM	NS	NS	NS
	9/15/06	11.29	84.14	6.62	NM	10.17	-2.8	NS	NS	NS
	9/21/06	10.31	85.12	6.75	NM	7.85	123	NS	NS	NS
	10/6/06	11.75	83.68	7.63	NM	1.23	27.0	NS	NS	NS
	10/10/06	10.81	84.62	NM	NM	NM	NM	NS	NS	NS
	10/23/06	NG	NA	NM	NM	NM	NM	NS	NS	NS
	11/7/06	10.09	85.34	6.33	NM	7.43	-34.7	NS	NS	NS
	11/20/06	9.47	85.96	6.82	NM	3.53	78.6	NS	NS	NS
	12/4/06	9.92	85.51	7.92	NM	10.70	179.5	NS	NS	NS
	12/18/06	11.42	84.01	6.18	NM	7.30	27.2	NS	NS	NS
	1/2/07	10.33	85.10	6.69	NM	7.64	-98.5	NS	NS	NS
	1/15/07	9.87	85.56	6.82	NM	7.33	-109.6	NS	NS	NS
	1/25/07	9.91	85.52	NM	NM	NM	NM	NS	NS	NS
	1/29/07	10.08	85.35	7.13	NM	13.11	-79.2	NS	NS	NS
	2/12/07	11.62	83.81	6.93	NM	10.22	14.4	NS	NS	NS
	2/26/07	10.35	85.08	7.31	NM	6.41	246.7	NS	NS	NS
	3/12/07	10.22	85.21	7.14	NM	8.63	62.7	NS	NS	NS
	3/26/07	9.84	85.59	7.15	NM	9.40	39.7	NS	NS	NS
	4/10/07	9.16	86.27	7.06	NM	11.61	60.4	NS	NS	NS
	4/24/07	8.19	87.24	6.40	1,075	8.84	222.6	NS	NS	NS
	5/7/07	9.00	86.43	5.01	NM	11.69	90.8	NS	NS	NS
	5/24/07	9.83	85.60	5.47	NM	10.14	108.2	NS	NS	NS
	6/4/07	9.08	86.35	5.13	NM	8.03	43.6	NS	NS	NS
	6/18/07	10.18	85.25	6.28	NM	13.65	-14.7	NS	NS	NS
	7/3/07	10.62	84.81	7.36	NM	7.44	90.8	NS	NS	NS
	7/16/07	11.89	83.54	7.14	NM	7.54	104.7	NS	NS	NS
	8/1/07	10.83	84.60	6.45	NM	7.61	71.8	NS	NS	NS
	8/13/07	10.92	84.51	5.71	NM	3.10	-283.4	NS	NS	NS
	8/27/07	11.17	84.26	6.27	NM	7.42	-13.8	NS	NS	NS
ECS-9	**2/13/03**	NA	NA	NA	NA	NA	NA	NS	NS	NS
95.22	**9/19/05**	10.91	84.08	6.22	1,047	4.69	-46.8	<0.1	<1.0	11.5
94.99	**1/25/06**	8.38	86.61	6.32	944	0.80	-89.0	<0.1	7.27	9.75
	4/11/06	10.33	84.66	6.52	157	0.60	-13.0	<0.1	<1.0	0.945
	7/20/06	10.72	84.27	3.02	1,136	0.30	445	<0.1	<1.0	10.8
	10/10/06	11.12	83.87	NA	NA	NA	NA	NS	NS	NS
	1/25/07	10.31	84.68	6.64	995	1.42	-2	<0.5	<5.0	10.6
	4/24/07	8.57	86.42	6.40	1,609	0.58	-2.6	NS	NS	NS
ECS-10	**2/13/03**	NA	NA	NA	NA	NA	NA	NS	NS	NS
95.90	**9/8/05**	9.59	86.16	4.40	1,624	0.93	601	NS	NS	NS
95.75	**1/25/06**	8.57	87.18	6.96	1,850	0.37	23.0	NS	NS	NS
	4/10/06	9.52	86.23	6.60	234	0.35	180	NS	NS	NS
	7/20/06	9.42	86.33	NM	NM	NM	NM	NS	NS	NS
	10/10/06	9.64	86.11	NM	NM	NM	NM	NS	NS	NS
	1/25/07	9.31	86.44	NM	NM	NM	NM	NS	NS	NS
	4/24/07	8.53	87.22	NM	NM	NM	NM	NS	NS	NS
ECS-11	**1/25/06**	9.28	87.42	6.42	1,033	0.70	-74.0	<0.1	25.2	10.4
96.70	**4/10/06**	10.94	85.76	6.92	1,103	0.67	-5.0	NS	NS	NS
	7/20/06	11.31	85.39	4.75	1,024	0.25	503	NS	NS	NS
	9/15/06	12.31	84.39	7.00	NM	8.92	-49.9	NS	NS	NS
	9/21/06	11.89	84.81	6.95	NM	10.01	266	NS	NS	NS
	10/6/06	11.74	84.96	8.10	NM	2.48	-41.5	NS	NS	NS
	10/10/06	11.81	84.89	NM	649	0.63	71.4	NS	NS	NS
	10/23/06	11.20	85.50	6.12	NM	1.60	NM	NS	NS	NS
	11/7/06	10.74	85.96	6.76	NM	10.43	-51.4	NS	NS	NS
	11/20/06	10.49	86.21	7.56	NM	8.52	-11.5	NS	NS	NS
	12/4/06	10.93	85.77	7.46	NM	12.59	232.5	NS	NS	NS
	12/18/06	11.40	85.30	6.44	NM	8.36	-8.5	NS	NS	NS
	1/2/07	11.34	85.36	7.69	NM	8.39	-127.5	NS	NS	NS
	1/15/07	10.89	85.81	7.34	NM	8.16	-133.4	NS	NS	NS
	1/25/07	10.98	85.72	7.03	849	1.58	4.0	NS	NS	NS
	1/29/07	11.11	85.59	7.43	NM	8.73	-105.0	NS	NS	NS
	2/12/07	11.54	85.16	7.22	NM	10.69	-48.6	NS	NS	NS
	2/26/07	11.14	85.56	7.14	NM	4.89	NM	NS	NS	NS
	3/12/07	11.91	84.79	7.07	NM	9.85	42.4	NS	NS	NS
	3/26/07	10.86	85.84	7.29	NM	10.23	-38.8	NS	NS	NS
	4/10/07	10.2	86.50	7.25	NM	12.52	66.7	NS	NS	NS
	4/24/07	9.35	87.35	5.70	1,163	0.30	149.2	NS	NS	NS
	5/7/07	10.18	86.52	5.37	NM	12.55	59.1	NS	NS	NS
	5/24/07	10.98	85.72	5.82	NM	11.23	58.6	NS	NS	NS
	6/4/07	11.05	85.65	6.63	NM	6.17	210.1	NS	NS	NS
	6/18/07	11.28	85.42	6.72	NM	9.23	10.2	NS	NS	NS
	7/3/07	11.65	85.05	7.85	NM	15.90	81.5	NS	NS	NS
	7/16/07	12.92	83.78	7.03	NM	13.29	98.3	NS	NS	NS
	8/1/07	11.87	84.83	6.94	NM	9.42	-0.6	NS	NS	NS
	8/13/07	11.97	84.73	6.27	NM	1.21	-319.1	NS	NS	NS
	8/27/07	12.2	84.50	6.65	NM	8.97	-51.7	NS	NS	NS

NOTES:

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. **Bold** date denotes a groundwater sampling event.

O'Connell Oil/Mobil Station 730 East Street Pittsfield, Massachusetts				Table 2 Groundwater Geochemical Monitoring Data						
Monitoring Well & PVC Elevation (ft)	**Monitoring Date**	**Depth to Water (ft)**	**Groundwater Elevation (ft)**	**pH (SU)**	**Specific Conductivity (µS/cm)**	**Dissolved Oxygen (mg/L)**	**Redox (mV)**	**Nitrate (mg/L)**	**Sulfate (mg/L)**	**Dissolved Iron (mg/L)**
ECS-12	**1/25/06**	8.64	87.51	6.44	1,207	0.53	-117	NS	NS	NS
96.15	**4/10/06**	10.60	85.55	6.65	1,436	0.42	14.0	NS	NS	NS
	7/20/06	10.95	85.20	4.19	1,419	0.12	506	15.5	<5.0	15.5
	9/15/06	11.92	84.23	6.60	NM	8.11	-47.5	NS	NS	NS
	9/21/06	11.53	84.62	6.67	NM	9.63	283	NS	NS	NS
	10/6/06	11.35	84.80	7.68	NM	1.24	-22.7	NS	NS	NS
	10/10/06	11.42	84.73	6.58	1,291	0.48	-23.3	NS	NS	NS
	10/23/06	10.79	85.36	5.91	NM	1.46	NM	NS	NS	NS
	11/7/06	10.74	85.41	6.65	NM	5.74	-69.8	NS	NS	NS
	11/20/06	10.15	86.00	6.94	NM	8.77	72.5	NS	NS	NS
	12/4/06	10.58	85.57	7.32	NM	12.13	199.4	NS	NS	NS
	12/18/06	11.04	85.11	6.20	NM	7.52	-3.8	NS	NS	NS
	1/2/07	10.96	85.19	7.29	NM	8.41	-120.8	NS	NS	NS
	1/15/07	10.56	85.59	7.02	NM	8.29	-128.6	NS	NS	NS
	1/25/07	12.55	83.60	6.93	1,500	1.51	9.0	<2.0	<20.0	15.8
	1/29/07	11.74	84.41	7.22	NM	13.75	-94.7	NS	NS	NS
	2/12/07	11.23	84.92	6.95	NM	13.78	-52.9	NS	NS	NS
	2/26/07	NG-S	NA	NM	NM	NM	NM	NS	NS	NS
	3/12/07	NG-S	NA	NM	NM	NM	NM	NS	NS	NS
	3/26/07	10.42	85.73	7.06	NM	12.40	-89.60	NS	NS	NS
	4/10/07	9.77	86.38	6.76	NM	10.88	-14.00	NS	NS	NS
	4/24/07	8.83	87.32	5.48	1,642	0.30	-57.8	NS	NS	NS
	5/7/07	9.89	86.26	5.93	NM	16.80	-11.9	NS	NS	NS
	5/24/07	10.21	85.94	6.01	NM	13.25	24.3	NS	NS	NS
	6/4/07	10.66	85.49	5.99	NM	12.92	28.4	NS	NS	NS
	6/18/07	10.86	85.29	6.71	NM	12.56	-84.4	NS	NS	NS
	7/3/07	11.27	84.88	7.85	NM	21.14	46.2	NS	NS	NS
	7/16/07	12.54	83.61	7.88	NM	18.24	60.7	NS	NS	NS
	8/1/07	11.47	84.68	6.80	NM	9.79	-59.9	NS	NS	NS
	8/13/07	11.56	84.59	6.35	NM	1.35	-331.1	NS	NS	NS
	8/27/07	11.78	84.37	6.34	NM	8.73	-75.3	NS	NS	NS
ECS-13	**1/25/06**	NG	NA	NM	NM	NM	NM	NS	NS	NS
97.66	**4/10/06**	12.20	85.46	6.61	246	0.75	-2.0	NS	NS	NS
	7/20/06	12.53	85.13	3.00	890	0.28	543	NS	NS	NS
	9/15/06	10.45	87.21	7.10	NM	9.28	-40.2	NS	NS	NS
	9/21/06	13.11	84.55	7.76	NM	11.94	244	NS	NS	NS
	10/6/06	12.97	84.69	8.19	NM	4.94	-7.6	NS	NS	NS
	10/10/06	13.01	84.65	6.32	533	0.73	14.2	NS	NS	NS
	10/23/06	12.34	85.32	6.40	NM	1.50	NM	NS	NS	NS
	11/7/06	12.31	85.35	6.25	NM	13.45	109.4	NS	NS	NS
	11/20/06	11.72	85.94	6.74	NM	3.33	16.3	NS	NS	NS
	12/4/06	12.18	85.48	7.42	NM	9.57	180.2	NS	NS	NS
	12/18/06	12.62	85.04	6.40	NM	5.97	-13.7	NS	NS	NS
	1/2/07	12.58	85.08	7.29	NM	6.41	-135.4	NS	NS	NS
	1/15/07	12.04	85.62	7.18	NM	6.27	-173.5	NS	NS	NS
	1/25/07	12.18	85.48	7.59	668	1.46	57.0	NS	NS	NS
	1/29/07	12.34	85.32	7.58	NM	12.82	-84.6	NS	NS	NS
	2/12/07	12.83	84.83	7.41	NM	8.54	-59.4	NS	NS	NS
	2/26/07	NG-S	NA	NM	NM	NM	NM	NS	NS	NS
	3/12/07	NG-S	NA	NM	NM	NM	NM	NS	NS	NS
	3/26/07	12.03	85.63	6.92	NM	14.41	104.50	NS	NS	NS
	4/10/07	11.41	86.25	6.69	NM	13.47	14.60	NS	NS	NS
	4/24/07	10.51	87.15	6.96	685	280.00	-41.3	NS	NS	NS
	5/7/07	11.42	86.24	4.75	NM	15.95	125.6	NS	NS	NS
	5/24/07	11.27	86.39	5.06	NM	14.82	132.7	NS	NS	NS
	6/4/07	12.27	85.39	6.18	NM	11.05	21.8	NS	NS	NS
	6/18/07	12.50	85.16	7.31	NM	14.44	48.1	NS	NS	NS
	7/3/07	12.88	84.78	8.22	NM	12.65	73.3	NS	NS	NS
	7/16/07	12.95	84.71	7.81	NM	12.64	88.1	NS	NS	NS
	8/1/07	13.07	84.59	7.34	NM	24.48	110.5	NS	NS	NS
	8/13/07	13.17	84.49	6.97	NM	10.09	-256.6	NS	NS	NS
	8/27/07	13.39	84.27	6.61	NM	10.78	-111.8	NS	NS	NS
ECS-14	**4/10/06**	10.00	86.25	6.92	1,310	0.20	4.0	NS	NS	NS
96.25	**7/20/06**	10.31	85.94	NM	NM	NM	NM	NS	NS	NS
	10/10/06	10.79	85.46	NM	NM	NM	NM	NS	NS	NS
	1/25/07	9.87	86.38	NM	NM	NM	NM	NS	NS	NS
	4/24/07	8.51	87.74	NM	NM	NM	NM	NS	NS	NS
ECS-15	**4/10/06**	10.47	85.98	6.54	1,357	0.97	68.0	NS	NS	NS
96.45	**7/20/06**	10.72	85.73	NM	NM	NM	NM	NS	NS	NS
	10/10/06	11.23	85.22	NM	NM	NM	NM	NS	NS	NS
	1/25/07	10.37	86.08	NM	NM	NM	NM	NS	NS	NS
	4/24/07	8.93	87.52	NM	NM	NM	NM	NS	NS	NS

NOTES:
ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.
NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured. NG-S= Not gauged due to snow.
97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

O'Connell Oil/Mobil Station
730 East Street
Pittsfield, Massachusetts

Table 3 (1 of 3)
Site Monitoring Data

Monitoring Well & Elevation (ft)	Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	S BTEX (µg/L)	Naphthalene (µg/L)	MtBE (µg/L)	C_5 - C_8 Aliphatics (mg/L)	C_9 - C_{12} Aliphatics (mg/L)	C_9 - C_{10} Aromatics (mg/L)
MCP Method 1 Standards			**GW-2:**	**2,000**	**8,000***	**30,000**	**9,000***	**NA**	**1,000***	**50,000**	**1.0**	**1.0**	**5.0**
			GW-3:	**10,000***	**4,000***	**4,000**	**500***	**NA**	**20,000***	**50,000**	**4.0**	**20.0**	**4.0**
ECS-1	11/8/99	11.48	85.71	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
97.19	12/19/02	11.60	85.59	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
97.02	9/8/05	11.78	85.38	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
97.16	1/25/06	8.49	88.67	<5.0	<5.0	<5.0	<15	ND	<5.0	6.5	0.263	<0.025	<0.025
	4/11/06	11.38	85.78	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	11.72	85.44	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	10/10/06	12.21	84.95	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	11.34	85.82	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/24/07	9.89	87.27	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
ECS-2	11/8/99	12.35	85.41	<100	670	1,600	7,400	9,670	260	190	<1.50	<0.500	5.0
97.76	12/19/02	12.56	85.20	<20	1,000	420	1,920	3,340	34	5,700	0.501	<0.100	0.54
97.60	9/8/05	12.44	85.16	<5.0	754	463	2,396	3,613	92	3,330	2.35	1.52	3.13
	11/1/05	10.65	86.95	<50	425	366	1,502	2,293	<50	4,590	2.37	0.44	2.81
	1/25/06	10.16	87.44	32.2	778	781	3,827	5,418	163	1,970	5.23	1.39	4.31
	4/10/06	12.09	85.51	42.1	600	1,040	5,820	7,502	244	1,590	9.29	3.63	6.64
	7/20/06	12.42	85.18	<100	670	1,090	5,460	7,220	240	31,700	2.70	2.85	4.53
	10/10/06	12.92	84.68	<50	81.9	232	951	1,265	<50	4,860	<0.750	0.763	1.82
	1/25/07	12.06	85.54	<10	79.1	139	642	860	29.9	1,180	0.793	0.533	1.01
	4/24/07	10.39	87.21	<25	114	479	2,113	2,706	81.6	2,080	1.92	1.12	2.39
ECS-3	11/8/99	12.58	85.37	<100	10,500	2,700	12,200	25,400	370	<100	<1.50	<0.500	9.2
97.95	12/19/02	12.70	85.25	<100	2,900	1,400	4,900	9,200	100	240	0.594	<0.100	2.22
97.76	9/8/05	12.65	85.11	55	3,210	3,010	14,190	20,465	468	821	15.1	5.5	11.0
	11/1/05	10.87	86.89	10.2	565	536	2,250	3,361	83	<5.0	2.54	0.13	1.88
	1/25/06	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/11/06	12.34	85.42	145	2,390	3,820	16,930	23,285	491	546	27.1	5.35	12.3
	7/20/06	12.56	85.20	<20	564	744	2,909	4,217	131	70	3.50	2.40	3.15
	10/10/06	13.17	84.59	15.1	1,110	1,280	5,570	7,975	150	<10	2.93	1.23	2.98
	1/25/07	12.27	85.49	11.3	168	865	3,694	4,738	137	65.6	2.62	0.711	3.02
	4/24/07	10.62	87.14	<5.0	87.1	112	510	709	14	7.5	0.298	0.169	0.446
ECS-4	11/8/99	11.78	85.28	<5.0	<5.0	340	460	800	20	19	0.42	<0.025	0.45
97.06	12/19/02	12.45	84.61	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NA	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)
96.75	9/8/05	11.94	84.81	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NA	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)
	1/25/06	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/10/06	11.51	85.24	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	11.96	84.79	<5.0	<5.0	<5.0	<15	ND	<5.0	10.9	<0.075	<0.025	<0.025
	10/10/06	12.43	84.32	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	9.88	86.87	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025

NOTES: Depth to water in feet from PVC.
Elevation of PVC in feet.
ft = feet. µg/L = micrograms per liter. mg/L = milligrams per liter.
NA = Not applicable/available.
MCP Method 1 Standards as set forth by 310 CMR 40.0974(2).
97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05
Shading indicates value or detection limit exceeds GW-2 standard.
Bolding indicates value or detection limit exceeds GW-3 standard.
D = Duplicate sample.

O'Connell Oil/Mobil Station
730 East Street
Pittsfield, Massachusetts

Table 3 (2 of 3)
Site Monitoring Data

Monitoring Well & Elevation (ft)	Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	S BTEX (µg/L)	Naphthalene (µg/L)	MtBE (µg/L)	C_5 - C_8 Aliphatics (mg/L)	C_9 - C_{12} Aliphatics (mg/L)	C_9 - C_{10} Aromatics (mg/L)
MCP Method 1 Standards			**GW-2:**	**2,000**	**8,000***	**30,000**	**9,000***	**NA**	**1,000***	**50,000**	**1.0**	**1.0**	**5.0**
			GW-3:	**10,000***	**4,000***	**4,000**	**500***	**NA**	**20,000***	**50,000**	**4.0**	**20.0**	**4.0**
ECS-5	11/8/99	12.26	85.47	<20	110	1,400	6,000	7,510	240	<20	1.2	<0.100	5.0
97.73	12/19/02	12.54	85.19	<5.0	<5.0	70	339	409	12	<5.0	0.105	<0.025	0.404
97.56	9/8/05	12.44	85.12	<5.0	5.7	48	208	262	27	<5.0	0.403	0.438	0.948
	1/25/06	10.22	87.34	<5.0	<5.0	28.7	109	138	20.5	<5.0	0.480	0.414	0.988
	4/11/06	11.15	86.41	<5.0	<5.0	13.2	52.4	66	10.1	<5.0	0.330	0.336	0.678
	7/20/06	12.48	85.08	<5.0	<5.0	<5.0	14.6	15	6.2	<5.0	0.187	0.286	0.414
	10/10/06	12.98	84.58	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	10.43	87.13	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
ECS-6	2/13/03	10.74	85.84	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	0.026
96.58	9/8/05	11.34	85.00	<20	53	1,170	4,183	5,406	167	<20	4.15	1.90	4.96
96.34	11/1/05	9.57	86.77	<5.0	15.8	172	564	752	41.0	13.4	0.885	0.264	1.37
	1/25/06	9.10	87.24	<10.0	23.3	390	1,029	1,442	45.4	51.8	2.24	0.969	2.17
	1/25/06D	NA	NA	<10.0	14.7	383	962	1,340	57.1	50.2	2.22	1.04	2.12
	4/10/06	11.05	85.29	<5.0	12.6	130	352	495	30.3	<5.0	0.944	0.512	0.985
	7/20/06	11.40	84.94	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	0.095	0.049	0.091
	7/20/06D	NA	NA	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	0.045	0.067
	10/10/06	11.89	84.45	<5.0	6.4	123	286	415	8.3	26.4	0.380	0.089	0.183
	1/25/07	10.99	85.35	<5.0	7.5	172	568.1	748	40.9	128.0	0.653	0.385	1.570
	4/24/07	9.35	86.99	<5.0	<5.0	91	83.2	174	14.7	40.6	0.152	0.109	0.297
ECS-7	2/13/03	10.14	85.83	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.97	9/8/05	9.75	85.79	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.54	1/25/06	9.05	86.49	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/10/06	9.90	85.64	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	9.78	85.76	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	9.96	85.58	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	9.47	86.07	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
ECS-8	2/13/03	11.63	84.09	<5.0	160	1,100	4,400	5,660	120	40	3.6	3.7	3.4
95.72	9/8/05	10.35	85.08	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.43	9/8/05D	NA	NA	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	1/25/06	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/11/06	9.98	85.45	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	10.28	85.15	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	10.81	84.62	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	8.19	87.24	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS

NOTES: Depth to water in feet from PVC.
ft = feet. µg/L = micrograms per liter. mg/L = millograms per liter.
MCP Method 1 Standards as set forth by 310 CMR 40.0974(2).
Shading indicates value or detection limit exceeds GW-2 standard.
Bolding indicates value or detection limit exceeds GW-3 standard.
D = Duplicate sample.

Elevation of PVC in feet.
NA = Not applicable/available.
97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05

O'Connell Oil/Mobil Station
730 East Street
Pittsfield, Massachusetts

Table 3 (3 of 3)
Site Monitoring Data

Monitoring Well & Elevation (ft)	Sampling Date	Depth to Water (ft)	Ground- water Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	S BTEX (µg/L)	Naphthalene (µg/L)	MtBE (µg/L)	C_5 - C_8 Aliphatics (mg/L)	C_9 - C_{12} Aliphatics (mg/L)	C_9 - C_{10} Aromatics (mg/L)
MCP Method 1 Standards			**GW-2:**	**2,000**	**8,000***	**30,000**	**9,000***	**NA**	**1,000***	**50,000**	**1.0**	**1.0**	**5.0**
			GW-3:	**10,000***	**4,000***	**4,000**	**500***	**NA**	**20,000***	**50,000**	**4.0**	**20.0**	**4.0**
ECS-9	2/13/03	10.82	84.40	<5.0	<5.0	<5.0	85	85	<5.0	16	0.540	0.240	0.300
95.22	9/19/05	10.91	84.08	9.6	6.7	60.7	730	807	40.2	831	0.652	0.611	1.41
94.99	1/25/06	8.38	86.61	<10	12.7	57.9	568	639	26.6	1,090	0.660	0.429	1.11
	4/11/06	10.33	84.66	<25	<25	98.3	**915**	1013	47.3	3,970	1.73	0.770	1.53
	7/20/06	10.72	84.27	<25	<25	51.5	**626**	678	51.9	1,980	0.913	0.970	1.24
	10/10/06	11.12	83.87	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	10.31	84.68	<10	<10	28.5	336	365	28.8	1,370	0.356	0.522	0.949
	4/24/07	8.57	86.42	<5.0	5.3	12.6	145	163	15.1	1,540	<0.075	0.262	0.571
ECS-10	2/13/03	10.11	85.79	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.90	9/8/05	9.59	86.16	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.75	1/25/06	8.57	87.18	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/10/06	9.52	86.23	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	9.42	86.33	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	9.64	86.11	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	8.53	87.22	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
ECS-11	1/25/06	9.28	87.42	18.0	<10	<10	<30	18.0	12.5	1,040	1.08	0.056	0.059
96.70	4/10/06	10.94	85.76	<5.0	<5.0	<5.0	<15	ND	<5.0	277	0.226	<0.025	0.029
	7/20/06	11.31	85.39	<5.0	<5.0	<5.0	<15	ND	<5.0	243	0.164	<0.025	0.025
	10/10/06	11.81	84.89	<5.0	<5.0	<5.0	<15	ND	<5.0	598	0.261	0.047	0.077
	1/25/07	10.98	85.72	<5.0	<5.0	<5.0	<15	ND	<5.0	359	0.133	<0.025	0.041
	4/24/07	9.35	87.35	5.8	5.1	<5.0	<15	10.9	<5.0	628	0.369	<0.025	0.026
ECS-12	1/25/06	8.64	87.51	47.0	54.0	1,960	9,690	11,751	399	<20	**14.1**	6.04	**13.6**
96.15	4/10/06	10.60	85.55	<10	37.3	86.6	437	561	98.9	20.9	**5.94**	6.69	**12.9**
	7/20/06	10.95	85.20	<10	32.4	19.9	59	111	53.9	14.7	3.38	4.39	**6.60**
	10/10/06	11.42	84.73	<10	33.7	53.0	270	357	69.3	32.2	2.72	3.07	**6.17**
	10/10/06D	NA	NA	<10	70.9	53.9	288	412	102	45.9	**4.14**	3.21	**7.13**
	1/25/07	12.55	83.60	<5.0	50	29.8	149.6	229	63.8	17.1	3.22	2.07	3.82
	1/25/07D	12.55	83.60	<25	40.3	30	147	217	64.5	<25.0	3.03	2.14	**4.10**
	4/24/07	8.83	87.32	<10	56.2	18.8	29.7	105	74.6	<10	3.95	1.20	**4.31**
	4/24/07D	8.83	87.32	<5.0	33.3	11.7	17.5	63	54.5	<5.0	2.06	1.46	2.88
ECS-13	1/25/06	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
97.66	4/10/06	12.20	85.46	77.8	**9,600**	**4,780**	**22,430**	36,888	566	342	**28.9**	**5.66**	**11.0**
	7/20/06	12.53	85.13	<5.0	9.2	223	**753**	985	36.5	<5.0	0.727	0.454	0.809
	10/10/06	13.01	84.65	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	1/25/07	12.18	85.48	<5.0	<5.0	<5.0	<15	<30	<5.0	36.3	<0.075	<0.025	<0.025
	4/24/07	10.51	87.15	<5.0	<5.0	<5.0	<15	<30	<5.0	<5.0	<0.075	<0.025	<0.025
ECS-14	4/10/06	10.00	86.25	<5.0	11.7	<5.0	<15	12	15.2	<5.0	1.22	0.278	0.328
96.25	7/20/06	10.31	85.94	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	10.79	85.46	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	9.87	86.38	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	8.51	87.74	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
ECS-15	4/10/06	10.47	85.98	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	0.307	<0.025	0.032
96.45	7/20/06	10.72	85.73	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	11.23	85.22	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	10.37	86.08	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	8.93	87.52	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS

NOTES: Depth to water in feet from PVC. Elevation of PVC in feet.

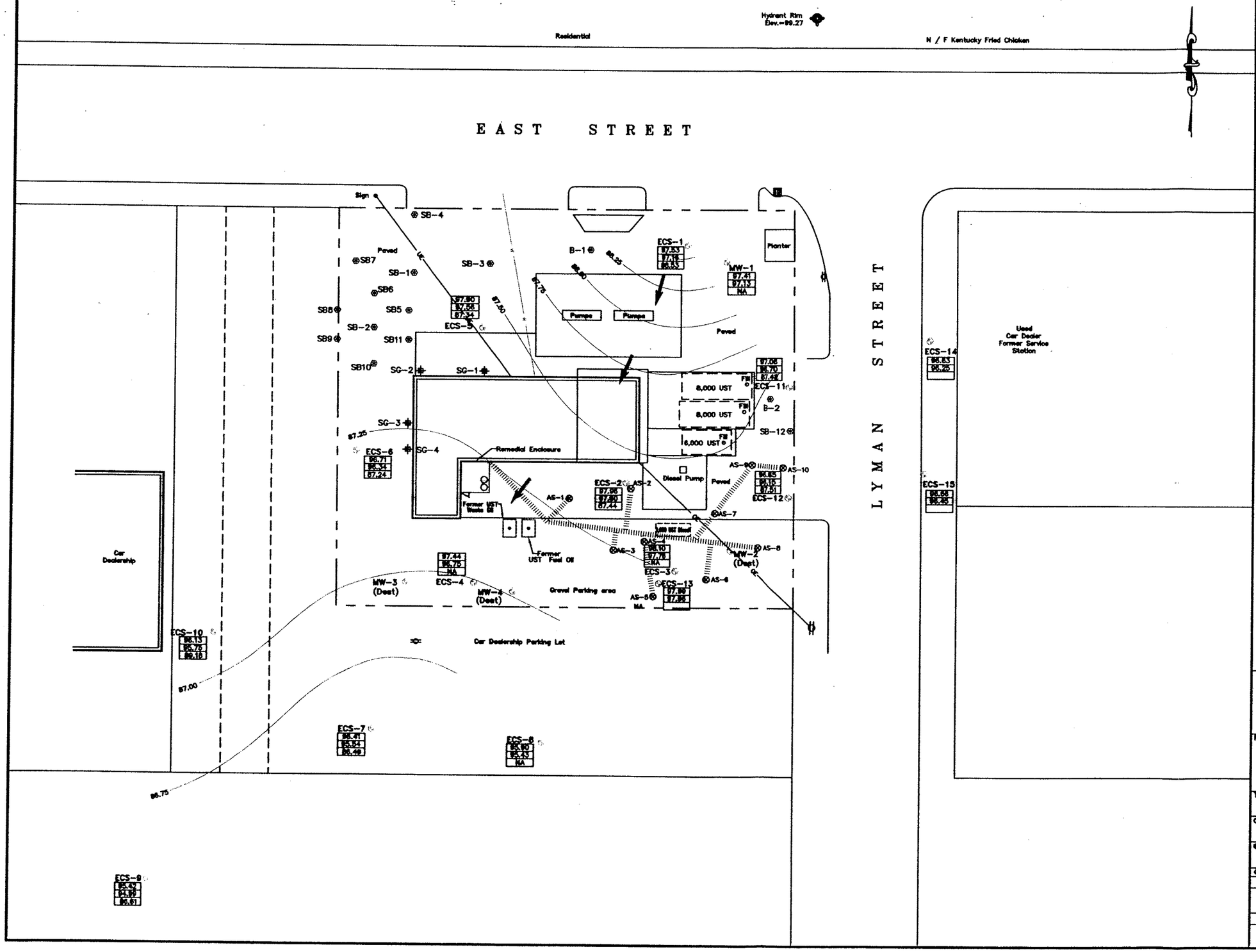
ft = feet. µg/L = micrograms per liter. mg/L = millograms per liter. NA = Not applicable/available.

MCP Method 1 Standards as set forth by 310 CMR 40.0974(2).

Shading indicates value or detection limit exceeds GW-2 standard.

Bolding indicates value or detection limit exceeds GW-3 standard.

D = Duplicate sample.



Legend

- Approximate Property Line
- Sanitary Sewer Line
- Storm Sewer Line
- Water Line
- Natural Gas Line
- Overhead Electric Line
- Manhole
- Catchbasin
- Water Gate
- Fire Hydrant
- Utility Pole
- Soil Boring
- Soil Gas Point
- Air Sparge Well
- Monitoring Well
- System Trenching

ECS-1	Well I.D.
98.94	Rim Elevation
98.60	PVC Elevation
73.71	Water Table Elevation

90.0 — Water Table Contour (Dashed where inferred)

→ Flow Direction Indicator

General Notes:

All locations, dimensions, and property lines depicted on this plan are approximate. This plan should not be used for construction or land conveyance purposes.

Horizontal, and vertical locations of wells, and selected site features determined through measurements made by representatives of ECS.

Water table elevations are based on an assumed benchmark of 99.27 feet located at the hydrant rim.

Water table elevations are based on measurements made on January 25, 2006.

Water table contours, and flow directions assume homogenous, isotropic aquifer conditions, and horizontal flow.

Fluctuations in the level of the water table may occur due to factors not accounted for at the time of measurement.

Water table contours are interpolated between data points, and inferred in other areas.

ecs
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PROJECT:
O' Connell's Mobil Station
730 East Street – Route 9
Pittsfield, Massachusetts

TITLE:
Site Plan with Groundwater Contours (1/25/06)

CLIENT:
O' Connell Oil Associates, Inc.

GRAPHIC SCALE: 30 15 0 15 30

COMPUTER CADFILE : J13632R.DWG

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
RAS	CPP	CPP	JN
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
1"=30	Aug, 2006	J13632	2