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Transmitted Via Overnight Courier

July 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 Spring 2008

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 Groundwater Quality Monitoring Interim Report for Fall 2007* (January 2008), enclosed is the *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008*. This report summarizes activities performed as part of the Plant Site 1 Groundwater Management Area (GMA 1) groundwater quality monitoring program during spring 2008, including the results of the latest groundwater sampling and analysis round at GMA 1. In addition, certain modifications to the interim monitoring program at GMA 1 are proposed to address recent modifications made by MDEP to the Method 1 groundwater quality standards.

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

Sincerely,

Richard W. Gates /MH for

Richard W. Gates
Remediation Project Manager

Enclosure
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Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008

July 2008

ARCADIS

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008

(Spring 2008 GMA 1 Groundwater Quality Report)

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July 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. The Spring 2003 GMA 1 Groundwater Quality Report contained such 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 fall 2007 were provided in GE's January 2008 *Plant Site 1 Groundwater Management Area Groundwater Quality Interim Report for Fall 2007* (Fall 2007 GMA 1 Groundwater Quality Report), which was conditionally approved by EPA in a letter dated April 8, 2008.

GE performed the next round of scheduled interim sampling activities at GMA 1 in accordance with EPA approval conditions in spring 2008.

The results of the interim groundwater sampling activities conducted in spring 2008 are provided in this *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008* (Spring 2008 GMA 1 Groundwater Quality Report). As requested by EPA in a March 29, 2007 letter conditionally approving a prior groundwater report, this report also contains groundwater elevation data collected at GMA 1 during the spring semi-annual monitoring event performed in April 2008 (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 fall 2007 monitoring period) was submitted to EPA in February 2008, and the NAPL monitoring report for the spring 2008 monitoring period will be submitted to EPA in August 2008.

In addition, in accordance with Condition 2 of EPA's conditional approval letter dated October 10, 2007, GE continued its 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 second 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 interim or long-term sampling and analysis is appropriate at those monitoring wells. The result of GE's investigation of the reason that a submersible bladder pump could not be used in one of these wells, pursuant to that same condition, is discussed in Section 5.2 below.

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 spring 2008 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. Supplemental sampling outside of that annual schedule has been conducted at certain monitoring wells as required by EPA.

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. A number of program modifications were made in spring 2006, following revisions to the MCP Method 1 groundwater standards that took effect on April 3, 2006. On February 14, 2008, additional revisions to the MCP Method 1 groundwater standards took effect, and, as required by Condition 4 of EPA's April 8, 2008 conditional approval letter, this report discusses the revised standards, evaluates their implications on the interim groundwater quality monitoring program, and proposes further modifications to that program in response to those new standards.

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 July 2008 to review any reports that have been submitted regarding this site since submittal of the Fall 2007 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 spring 2008. Section 3 presents the analytical results obtained during the spring 2008 sampling event performed in April 2008. 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 spring 2008 activities, including a comparison to those Performance Standards. Finally, Section 5 presents GE's discussion of the implications of the new MDEP groundwater quality standards on the interim groundwater quality monitoring program, proposes several modifications to that interim groundwater monitoring program, and summarizes 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 spring 2008, 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 spring 2008 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 spring 2008 semi-annual groundwater elevation monitoring round was performed at GMA 1 from April 14 through April 16, 2008. 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 0.04 feet lower than the elevations measured during the previous spring 2007 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 spring 2008 (Figure 3). Consistent with prior data, groundwater was found to generally flow toward the Housatonic River.

2.3 Groundwater Sampling and Analysis

The spring 2008 groundwater sampling event was performed between April 3 and April 18, 2008, with the exception of monitoring well ESA1N-52, which could not be sampled during spring 2008 due to sediment build-up in the well. That well will be redeveloped to facilitate future ground water elevation monitoring, but as discussed in Section 5.2, no additional sampling is proposed at this location based on the historical PCB concentrations observed relative to the revised MCP groundwater standards for PCBs.

As discussed in the Fall 2007 GMA 2 Groundwater Quality Report and noted in Condition No. 1 of EPA's April 8, 2008 conditional approval letter, elevated pH levels were detected during the fall 2007 groundwater quality monitoring event at four monitoring wells (139R, E2SC-23, GMA1-25, and MW-4R). Accordingly, prior to groundwater sample collection, GE conducted an equipment check and assessment of groundwater pH at these wells. This assessment, which was conducted between March 31 and April 3, 2008, involved the low-flow purging and monitoring of pH at the wells with the monitoring equipment to be utilized

during the spring 2008 sampling event. At each monitoring well, the pH was found to be within the typical range that has been documented during sampling events prior to fall 2007. One monitoring instrument was observed to occasionally produce erratic readings, potentially due to a loose connection in the wiring. That instrument was not utilized during the subsequent groundwater sampling round. As the pH in groundwater was within the historically representative range of 5.0 to 8.5 at all locations in spring 2008 (see Table 4), the elevated readings encountered in fall 2007 appear to be related to anomalous instrument malfunctions and not to changes in groundwater chemistry or damage to the monitoring wells.

Groundwater samples were collected from 22 groundwater monitoring wells scheduled for interim sampling. These samples were collected by the low-flow techniques specified in the FSP/QAPP, using either a bladder or peristaltic pump for the purging and collection of groundwater samples. 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 – 21.0
pH	pH units	6.52 – 7.78
Specific Conductivity	Millisiemens per centimeter	0.117 – 1.822
Oxidation-Reduction Potential	Millivolts	-77.9 – 202.5
Dissolved Oxygen	Milligrams per liter	0.28 – 8.93
Temperature	Degrees Celsius	5.52 – 14.38

As shown above and in Table 4, none of the groundwater samples extracted from the monitoring wells in this sampling event 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.

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 which were analyzed for VOCs 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. As discussed below in Section 4.3.1, a new GW-2 standard for PCBs went into effect on February 14, 2008, and six of the wells that were designated as both GW-2 and GW-3 wells were wells at which PCBs were analyzed as part of the GW-3 monitoring component of the interim groundwater quality program. The PCB results from those wells were also compared to the new GW-2 standard, as discussed in Section 4.3.1 below. However, as well LSSC-16S was monitored solely for compliance with GW-2 standards (and not for compliance with GW-3 standards), it was not monitored for PCBs in spring 2008 because an approach to address PCBs in GW-2 groundwater at GMA 1 was not established at the time of sampling. In Section 5.2 below, GE discusses the need to evaluate GW-2 wells for PCBs, based on promulgation of the new GW-2 PCB standard.

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 spring 2008 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 99.9% usable. The only rejected data was one VOC sample result where the 2-chloroethylvinylether data was rejected due to MS/MSD recovery deviations. The validated analytical results are summarized in Section 3 and discussed in Section 4 below.

3. Spring 2008 Groundwater Analytical Results

3.1 General

A description of the spring 2008 groundwater analytical results is presented in this section. The complete analytical data sets are summarized in Appendix B. Tables 5and 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 spring 2008 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 spring 2008 sampling event. The VOC analytical results are summarized in Table 7 and Table B-1 of Appendix B. No VOCs were detected in three of the groundwater samples (wells 72R, GMA1-6 and GMA1-27), while 17 individual VOCs were observed in the remaining samples. Where VOCs were detected, total VOC concentrations ranged from an estimated concentration of 0.00017 ppm (at well GMA1-25) to an estimated concentration of 0.21 ppm (at well ESA2S-64). The most frequently observed VOCs were benzene and toluene (each detected at four monitoring locations), while 1,1-dichloroethane was observed in three groundwater samples. All detected VOC concentrations were well below the applicable Method 1 GW-2 and GW-3 standards.

3.2.2 SVOC Results

Groundwater samples collected from two monitoring wells (wells GMA1-25 and GMA1-27) were analyzed for the full Appendix IX+3 list of SVOCs during the spring 2008 sampling event. No SVOCs were detected at either sampling location.

In addition, samples from three 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 at an estimated concentration in well GMA1-6 below the applicable Method 1 GW-2 and GW-3 standards. The SVOC analytical results are summarized in Table 7 and 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 spring 2008 sampling event. The PCB analytical results are summarized in Table 7 and Table B-1 of Appendix B. There were no PCBs detected in any of the groundwater samples analyzed during this sampling event.

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 spring 2008 sampling event. The analytical results for these analyses are summarized in Table 7 and Table B-1 of Appendix B.

Two inorganic constituents (beryllium and thallium) were detected in the spring 2008 samples from well 72R. Physiologically available cyanide was not detected in the sample, consistent with all prior sampling rounds where this analysis was conducted. 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 July 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 Fall 2007 GMA 1 Groundwater Quality Report. Four documents pertaining to groundwater investigations and response actions at the East Street Mobil Site have been added to the MDEP files since the fall 2007 file search. Those documents include:

- Notice of Audit Finding and Notice of Noncompliance (MDEP; September 26, 2007)
- Revised Remedy Operation Status Opinion (ECS, December 26, 2007)
- Post Audit Completion Report (ECS, December 26, 2007)
- Remedy Operation Status Inspection and Monitoring Report (ECS, April 4, 2008)

A site map and pertinent monitoring results from the most recent report reviewed for the East Street Mobil Site (i.e., the April 4, 2008 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 results of the two most recent groundwater sampling events conducted in October 2007 and March 2008. 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 October 2007 groundwater sampling results indicated that the concentrations of target analytes and VPH carbon fractions detected in groundwater from the sampled wells sampled were below the applicable GW-2 or GW-3 groundwater standards. No concentration of VPH carbon fractions or target analytes were present above the RDLs (Reportable Detection Limits) in groundwater from wells both upgradient and downgradient of the site.

Based on the general trend of decreasing concentrations of dissolved phase gasoline constituents to levels below the applicable GW-2 and GW-3 groundwater standards, the oxygen sparging system was shut down on February 11, 2008 to evaluate if remediation goals were met and groundwater conditions remained stable. Groundwater sampling was conducted in March 2008 to evaluate the groundwater response to the oxygen sparging system shutdown. The results of the March 2008 monitoring showed that although the concentrations of certain constituents slightly increased at specific wells compared to the October 2007 sampling round, those concentrations were still well below the applicable GW-2 and GW-3 standards.

GMA 1 monitoring wells MW-4R and LSSC-16S are GW-2 monitoring points located downgradient from the East Street Mobil Site that were sampled during the spring 2008 sampling event and analyzed for VOCs (see Appendix B), including BTEX (benzene, toluene, ethylbenzene, and xylene). No BTEX constituents were detected in well LSSC-16S during the spring 2008 sampling event. Benzene was the only BTEX constituent detected in well MW-4R, at a concentration (0.0042 ppm) well below the MCP GW-2 Standard of 2 ppm for benzene.

Based on these results, it appears that the prior groundwater quality exceedances attributed to the East Street Mobil Site were confined to that site and appear to have been addressed by the remedial actions performed at that site, including the operation of a groundwater remediation system. 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 ninth interim/supplemental groundwater quality monitoring report for GMA 1, and is the thirteenth 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 spring 2008 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, certain constituents present within GW-2 groundwater represent a potential source of 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.

On February 14, 2008 MDEP implemented revised Method 1 numerical standards for a number of constituents in groundwater, and this report constitutes the first report at this GMA for which those standards will be used.

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 spring 2008.

4.3 Groundwater Quality – Spring 2008

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the spring 2008 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 spring 2008 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 Spring 2008 Groundwater Results Relative to GW-2 Performance Standards

As part of the spring 2008 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). Four of these wells (i.e., wells 72R, GMA1-6, GMA1-25, and GMA1-27) were also sampled and analyzed for PCBs, for which an associated GW-2 standard was promulgated by MDEP in February 2008. In addition, wells 139R and GMA1-18 are also designated as GW-2/GW-3 monitoring locations, and these wells were only scheduled for sampling and analysis for PCBs under this interim monitoring program due to their GW-3 designation. Therefore, in light of the new MCP Method 1 GW-2 standard for PCBs, a comparison of the filtered PCB results from these wells to the new GW-2 PCB standard was also performed. As discussed in Section 2.3, well ESA1N-52, an additional GW-2/GW-3 monitoring well that was scheduled for sampling and analysis for PCBs, was unable to be sampled in spring 2008.

The spring 2008 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 spring 2008 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 and no PCBs were detected in any of the GW-2 monitoring wells. 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 Spring 2008 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from 22 of the 23 wells designated for GW-3 monitoring (all wells except well ESA1N-52, as discussed in Section 2.3) that were scheduled to be sampled during the spring 2008 interim sampling event. The spring 2008 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 spring 2008 analytical results from the 22 GW-3 monitoring wells that were sampled in spring 2008, 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 no constituents were found at levels above their respective MCP Method 1 GW-3 standards in groundwater samples collected in spring 2008. It should be noted that the MCP GW-3 standard for PCBs was increased from 0.0003 ppm to 0.01 ppm as part of the February 14, 2008 revisions. Although no PCBs were detected in any filtered samples analyzed in spring 2008, all prior results from GMA 1 that were recorded as exceedances of the prior standard are below the new standard of 0.01 ppm (except for one sample from Well E2CC-23 from spring 2004, which appears to have been anomalous).

4.3.3 Spring 2008 Comparison to Upper Concentration Limits

In addition to comparing the spring 2008 groundwater analytical results with applicable MCP Method 1 GW-2 and GW-3 standards, the analytical results from all 22 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 spring 2008 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 PCB concentrations for all wells sampled in spring 2008 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 spring 2008. 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 individual VOCs based on comparisons to the GW-2 criteria.

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, and showed a general decrease in spring 2008. The concentrations of chlorobenzene at wells 3-6C-EB-14 and ES2-02A, each of which has exhibited exceedances of the MCP GW-3 standard in the past, were non-detect in spring 2008. Although the PCB data show no clear trend at most locations, the spring 2008 PCB concentrations were non-detect at every monitoring well analyzed for this constituent.

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. Since no applicable standards were exceeded in the spring 2008 samples, no interim response actions are proposed. However, as discussed in Section 5 below, several modifications to the interim groundwater quality monitoring program are proposed based on GE's assessment of the historical groundwater data at GMA 1 relative to the revised MCP groundwater standards.

5. Proposed Monitoring Program Modifications and Schedule of Future Activities

5.1 General

In spring 2004, GE initiated the interim groundwater quality monitoring program to be conducted until completion of the soil-related Removal Actions at the RAAs that comprise GMA 1. 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.

This section contains GE's evaluation of the effect on the interim groundwater quality monitoring program of the recent revisions to the MCP Method 1 standards and UCLs for groundwater that became effective on February 14, 2008, and a description of GE's proposed modifications to the monitoring program. In light of the new standards, GE has re-evaluated the analytical results from the baseline and interim monitoring program to determine whether, and, if so, how the new Performance Standards should alter the wells and/or parameters included in the interim monitoring program. GE has also reviewed the groundwater analytical data from the spring 2008 interim sampling event for results that, independent of the changes in standards, would indicate the need to modify the interim monitoring program. The results of that evaluation and resulting proposed program modifications are discussed in Section 5.2 below. This section also summarizes the schedule for upcoming interim monitoring events and associated reporting activities.

5.2 Evaluation and Proposed Modifications to Interim Monitoring Program

In the Spring 2003 GMA 1 Groundwater Quality Report, GE presented an evaluation of the baseline monitoring results from GMA 1 and proposed to retain certain wells for selected analyses in the interim monitoring program to provide additional data to assist in the determination of whether long-term monitoring would be necessary. Generally speaking, wells that contained constituent concentrations near the values of the future Performance Standards (i.e., average concentrations ranging from greater than 50% of an applicable MCP Method 1 Standard to slightly above the standard) were retained for interim monitoring. In addition, selected wells/analyses were added to the interim monitoring program regardless of constituent concentrations relative to standards based on their location in areas of interest (e.g., adjacent to known source areas and upgradient from occupied buildings), or if constituent concentrations exhibited an increasing trend during the course of baseline monitoring. Groundwater quality monitoring was proposed to be discontinued at locations where constituent concentrations were well below the applicable MCP Method 1 Standards and at locations where concentrations consistently exceeded the standards, as it was apparent that such locations either would not or would be included in a long-term monitoring program.

Following revisions to the MCP that became effective on April 3, 2006, GE repeated that evaluation, comparing all baseline and interim groundwater quality data to the new ("Wave 2") MCP Method 1 Standards. Based on the same inclusion criteria utilized in spring 2003 at GMA 1 (and at the other GMAs once their two-year baseline monitoring periods expired), GE's assessment indicated that certain baseline wells that were previously excluded from the interim monitoring program based on historical concentrations of certain constituents that were above the levels of the previously-effective MCP Method 1 standards either were much closer to the MCP Method 1 standards, such that interim monitoring was warranted to assess the need for inclusion of these locations in a long-term monitoring program, or were sufficiently below the MCP Method 1 standards such that further monitoring was not considered necessary. GE's assessment also indicated that certain wells previously included in the interim monitoring program based on historical concentrations of certain constituents near the levels of the prior MCP Method 1 standards were no longer of interest based on an increase in those standards. In the Spring 2006 GMA 1 Groundwater Quality Report, GE identified several locations that should be added to or removed from the interim monitoring program and proposed to modify the interim monitoring program accordingly. Following EPA conditional approval of those modifications, GE implemented the revised interim monitoring program.

In light of the recent revisions to the MCP that became effective on February 14, 2008, GE has performed a similar evaluation to that conducted in 2006. Specifically, GE initially researched the GMA 1 database for any baseline analytical results where constituent concentrations of at least 50% of an applicable MCP Method 1 Standard were recorded. In addition, based on discussions with EPA indicating that the low-range guidance values developed for cobalt and copper in the May 14, 2008 *Groundwater Management Area 2 Long-Term Monitoring Program Addendum to Monitoring Event Evaluation Report for Fall 2007* may be implemented as Method 2 GW-3 standards at all of the GE-Pittsfield GMAs, GE has utilized those guidance values in its evaluations of the existing cobalt and copper analytical data at GMA 1. Any such locations/results were selected for further evaluation, consisting of a statistical evaluation of the constituents at each location, calculation of average concentrations, and a general review of concentrations over time to determine if an increasing trend may be present. Tables C-1 through C-8 in Appendix C present the statistical summaries for selected wells and constituents where modifications to the interim monitoring program are proposed based on these evaluations.

As in 2006, GE has identified several locations that should be added to or removed from the interim monitoring program and therefore proposes to modify the interim monitoring program. These modifications are discussed below. In particular, the modification of the Method 1 GW-3 standard for PCBs (from 0.0003 ppm to 0.010 ppm) has reduced the uncertainty of whether long-term monitoring for PCBs will be necessary to demonstrate compliance with the new GW-3 standard and a corresponding reduction in the GW-3 monitoring wells to be analyzed for PCBs during the interim monitoring program is proposed below.

In addition, as a new Method 1 GW-2 standard for PCBs has been promulgated in the 2008 MCP revision, GE evaluated the existing data from the GW-2 wells at GMA 1 to determine if additional sampling would be required to verify compliance with this new standard. As agreed with EPA, GE used filtered PCB results for this comparison. GE found that the existing PCB database for several dual-purpose GW-2/GW-3 monitoring wells was sufficient, but that the wells monitored solely for GW-2 compliance were not analyzed for PCBs during the baseline monitoring program, since no GW-2 standard for PCBs was in effect at the time the sampling was performed. As such, GE has proposed to conduct additional sampling for PCBs at those locations, as discussed below.

A summary of the proposed interim sampling program for GMA 1 is provided in Table 8, and the locations where sampling is proposed are illustrated on Figure 4. Specifically, GE proposes to:

- Remove well MW-4R from interim monitoring for VOCs. This well, which is a replacement for well MW-4, was included in the interim monitoring program to assess discrepancies in certain data between the replacement well and the original. Five sampling events for VOCs have been conducted at well MW-4R and all results have been well below the applicable GW-3 standards. As such, no additional sampling is proposed at this well.

- Remove well 72R from interim monitoring for cyanide. Interim sampling for cyanide has been performed at this well as a substitute for well ESA1S-33, where an isolated exceedance of the MCP Method 1 GW-3 standard for cyanide was recorded in a sampled analyzed for total cyanide in fall 2003. Total cyanide concentrations in filtered samples from well 72R were well below the GW-3 during all sampling events conducted at this well. In addition, no physiologically available cyanide has been detected at this well during four sampling rounds conducted since the implementation of that analysis in fall 2005. As such, additional monitoring for cyanide is no longer needed at this location. This well will continue to be sampled on an interim basis and analyzed for VOCs (plus five SVOCs), PCBs, and metals.

For PCBs, the interim monitoring program is proposed to be modified based upon two revisions to the Method 1 standards: (1) an increase of the Method 1 GW-3 standard from 0.0003 ppm to 0.010 ppm; and (2) a new Method 1 GW-2 standard of 0.005 ppm. Based on those changes, GE proposes the following modifications to the interim monitoring program relative to PCBs:

- Average filtered PCB concentrations are well below the new MCP GW-3 standard (and below the GW-2 standard, where applicable) at all of the wells that are currently analyzed for PCBs under the interim monitoring program. As such, GE proposes that PCB analyses be discontinued at nine of these locations. These nine wells are wells 139R, ES1-27R, ESA1N-52, GMA1-13, GMA1-18, HR-G1-MW-3, LS-29, N2SC-07S, and RF-2.

- Although the average PCB concentrations are also below the applicable standards at wells E2SC-23, E2SC-24, LSSC-08S, LSSC-18, and GMA1-6, GE proposes to continue to analyze these five locations for PCBs on an annual based upon their locations relative to the East Street Area 2-South and Lyman Street sheetpile containment barriers and the East Street Area 1-South LNAPL recovery system, respectively.

- Average filtered PCB concentrations at well ESA2S-52 were greater than the former MCP GW-3 standard and additional PCB analyses at this well were previously deferred to the long-term monitoring program. However, that average concentration is well below the revised MCP Method 1 GW-3 groundwater standard for this constituent, but the reported concentrations showed a possible increase during the baseline monitoring program to a level of almost 50% of the revised standard. Therefore, GE proposes that annual interim sampling and analysis for PCBs be initiated at this well to assess this potential trend.

- For all dual-purpose GW-2/GW-3 monitoring wells, sufficient historical PCB data (i.e., at least four sampling events) exists to evaluate the wells against the new MCP GW-2 standard for PCBs. All filtered PCB concentrations from these locations are well below this new standard and no additional PCB sampling is proposed based on the promulgation of the GW-2 standard at these wells. However, PCB sampling is proposed at 14 of the 15 GW-2 monitoring wells that were sampled solely for VOCs during the baseline monitoring program. These wells are: 17A, 37R, 95-20, 95-25, A7, ES1-10, ES1-18, ES2-19, F-1, GMA1-4, GMA1-13, LSSC-16S, MM-1, and MW-3R. Well GMA1-2 was a GW-2 monitoring well in the 30s Complex that was removed during building demolition activities in that area. Since there are currently no buildings in this area and nearby GW-2 wells GMA1-3 and ES2-19 are proposed to be sampled for PCBs, GE does not propose the installation of a replacement well for PCB analyses at this location.

The wells proposed to be sampled and analyzed for PCBs for comparison to the new GW-2 standard are proposed to be sampled on a semi-annual basis until four sets of PCB data have been collected. At that time, GE will evaluate the data and propose whether to discontinue additional sampling or to add the well to the ongoing interim or long-term monitoring program at GMA 1. As agreed with EPA, GE will analyze filtered groundwater samples for comparison with the GW-2 standard.

Finally, as noted in Table 1, well GMA1-25 is angled at the ground surface such that a bladder pump could not be inserted to collect groundwater samples. This condition was also noted during the fall 2007 sampling event, and GE utilized a peristaltic pump to collect the required samples during those two sampling events. Condition 2 of EPA's April 8, 2008 conditional approval letter noted that this well was one of the locations where elevated pH readings were recorded in fall 2007 and required GE to investigate the reasons that a bladder pump could not be utilized at this well and to propose corrective actions if the damage is to an extent that collection of representative groundwater samples is compromised. As also noted by EPA in its April 8, 2008 letter, it appears that this well was struck by equipment during placement of the engineered barrier at Newell Street Area II in June 2006. The damage is limited to a slight bend in the above grade portion of the well and protective casing such that the well alignment does not allow the 2-foot long bladder pump intake to pass through. The pH assessment conducted prior to the spring 2008 sampling event, as well as pH values observed during the sampling event (stabilized pH of 7.04), indicate that the elevated fall 2007 pH reading was anomalous and that the well is still capable of producing representative groundwater samples. Furthermore, the low turbidity of the spring 2008 groundwater samples (3 NTU) provides an additional indication that the well casing or screen has not been compromised, since filter pack or surrounding materials entering the well would be anticipated to increase the turbidity of the groundwater within the well. As such, GE proposes that this well continue to be utilized for the final two required sampling rounds, but that a peristaltic pump rather than a bladder pump be used to collect the groundwater samples.

The modifications to the annual interim sampling program discussed above are proposed to be implemented during the next annual interim sampling event in fall 2009, while the semi-annual analysis for PCBs at selected GW-2 monitoring wells is proposed to be initiated in fall 2008. Additional details on the sampling and reporting schedule at GMA 1 are provided below.

5.3 Field Activities Schedule

GE will conduct the fall 2008 interim groundwater sampling event at GMA 1 in October 2008, in conjunction with groundwater sampling activities that will be performed at the other GMAs. Pursuant to EPA's October 10, 2007 conditional approval letter, the fall 2008 interim sampling event will include the third round of semi-annual sampling of wells GMA1-25 and GMA1-27 and analysis of those samples for VOCs, SVOCs, and filtered PCBs. That sampling event will also include the initial semi-annual sampling and analysis of filtered samples for PCBs at the GW-2 monitoring locations where compliance with the new MCP Method 1 GW-2 standard for PCBs was not verified during the initial baseline monitoring program (see Table 8). Approximately one month prior to that sampling event, GE will inspect and re-develop selected GW-2 monitoring wells that have not recently been utilized as part of the interim monitoring program.

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. Therefore, the next full interim sampling event will not be conducted until fall 2009. The group of wells scheduled for semi-annual sampling discussed above will also be sampled in spring 2009.

The fall 2008 semi-annual groundwater elevation and NAPL monitoring event will also be conducted in October 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.

5.4 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 Fall 2008 Interim Groundwater Quality Report for GMA 1 by January 31, 2009, in accordance with the reporting schedule approved by EPA. That report will present the final, validated fall 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
Spring 2008 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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/ PCB	
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
Spring 2008 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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	Unable to sample due to sediment build-up in well.
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	
RAA 14 - NEWELL STREET AREA I				
No interim groundwater quality monitoring scheduled to be performed in this RAA.				

Table 1
Spring 2008 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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.

Table 2
Monitoring Well Construction

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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
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

Table 2
Monitoring Well Construction

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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 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 spring 2008 for interim groundwater quality sampling.
2. feet AMSL: Feet above mean sea level
3. feet BGS: Feet below ground surface

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
40s Complex		
95-17	4/14/2008	983.77
30s Complex		
95-16	4/14/2008	992.25
ES2-19	4/14/2008	993.82
GMA1-12	4/14/2008	976.89
RF-03	4/14/2008	979.04
RF-16R	4/14/2008	977.79
20s Complex		
CC	4/14/2008	990.36
EE	4/14/2008	985.04
GG	4/14/2008	985.38
II	4/14/2008	986.06
JJ	4/14/2008	985.40
LL-R	4/14/2008	985.28
P-R	4/14/2008	984.49
QQ-R	4/14/2008	985.03
U	4/14/2008	984.54
Y	4/14/2008	984.83
East Street Area 2-South		
01R	4/15/2008	981.30
2	4/15/2008	982.40
5	4/15/2008	986.27
09R	4/14/2008	975.79
10	4/15/2008	975.90
13	4/14/2008	975.68
14	4/14/2008	976.28
16R	4/14/2008	976.08
19	4/14/2008	974.54
25R	4/15/2008	981.72
26RR	4/15/2008	983.51
28	4/15/2008	978.93
29	4/15/2008	976.33
30	4/15/2008	979.90
31	4/15/2008	980.08
32	4/15/2008	979.97
34	4/15/2008	976.81
35	4/15/2008	975.86
36	4/15/2008	976.80

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
East Street Area 2-South (cont.)		
37	4/15/2008	976.66
38	4/15/2008	978.68
40R	4/15/2008	981.6
42	4/15/2008	979.09
43	4/15/2008	976.80
44	4/15/2008	979.09
47	4/15/2008	975.95
48	4/15/2008	979.08
49R	4/15/2008	975.72
49RR	4/15/2008	975.84
50	4/16/2008	976.99
51	4/16/2008	975.50
ESA2S-52	4/16/2008	975.00
53	4/15/2008	974.94
54	4/15/2008	974.54
55	4/15/2008	975.23
57	4/15/2008	981.37
58	4/15/2008	974.96
59	4/15/2008	973.24
ESA2S-64	4/16/2008	974.11
64R	4/15/2008	979.07
64S	4/15/2008	965.28
64V	4/15/2008	967.14
64X(N)	4/15/2008	975.24
64X(S)	4/15/2008	968.57
64X(W)	4/15/2008	968.67
95-1	4/14/2008	975.25
95-04R	4/16/2008	976.73
95-5	4/16/2008	977.41
95-07R	4/15/2008	978.50
E2SC-21	4/16/2008	974.69
E2SC-23	4/15/2008	977.91
E2SC-24	4/15/2008	974.40
3-6C-EB-14	4/14/2008	974.94
3-6C-EB-22	4/14/2008	974.96
3-6C-EB-25	4/14/2008	975.01
3-6C-EB-28	4/14/2008	974.78
ES2-02A	4/16/2008	974.45
ES2-05	4/14/2008	976.17

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
East Street Area 2-South (cont.)		
ES2-08	4/15/2008	976.15
ES2-10	4/14/2008	979.87
ES2-11	4/16/2008	976.31
ES2-16	4/16/2008	977.41
ES2-18	4/14/2008	975.40
GMA1-13	4/15/2008	975.81
GMA1-14	4/14/2008	982.71
GMA1-15	4/14/2008	975.37
GMA1-16	4/14/2008	972.87
GMA1-17E	4/15/2008	980.75
GMA1-19	4/14/2008	975.20
GMA1-20	4/14/2008	974.88
GMA1-21	4/14/2008	975.65
GMA1-22	4/14/2008	975.59
GMA1-23	4/14/2008	975.49
GMA1-24	4/14/2008	974.89
HR-G1-MW-1	4/16/2008	971.73
HR-G1-MW-3	4/16/2008	973.46
HR-G2-MW-1	4/16/2008	973.29
HR-G2-MW-2	4/16/2008	974.37
HR-G2-MW-3	4/16/2008	974.37
HR-G2-RW-1	4/16/2008	973.70
HR-G3-MW-1	4/16/2008	969.22
HR-G3-MW-2	4/16/2008	974.02
HR-G3-RW-1	4/16/2008	974.44
HR-J1-MW-3	4/14/2008	973.88
HR-J1-MW-2	4/14/2008	974.78
HR-J1-MW-1	4/14/2008	974.32
M-R	4/15/2008	983.23
P3	4/15/2008	984.15
PZ-1S	4/15/2008	974.95
PZ-6S	4/15/2008	974.39
RW-1(S)	4/15/2008	969.22
RW-1(X)	4/15/2008	970.71
RW-2(X)	4/15/2008	973.23
TMP-1	4/15/2008	972.34
SG-HR-1	4/15/2008	975.67

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
East Street Area 2-North		
05-N	4/15/2008	985.99
11-N	4/15/2008	986.24
14-N	4/15/2008	987.25
16-N	4/15/2008	985.70
17A	4/15/2008	1,017.26
17-N	4/15/2008	985.96
19-N	4/15/2008	986.48
20-N	4/15/2008	986.71
23-N	4/15/2008	986.39
24-N	4/15/2008	986.60
ES1-05	4/15/2008	987.53
ES1-18	4/15/2008	1,042.16
ES1-20	4/15/2008	991.13
ES1-27R	4/15/2008	1,015.98
East Street Area 1-North		
25	4/15/2008	995.48
ESA1N-52	4/17/2008	995.01
60R	4/15/2008	993.28
105	4/15/2008	996.09
106	4/15/2008	997.20
107	4/15/2008	997.16
108A	4/15/2008	997.87
109A	4/15/2008	997.23
118	4/15/2008	997.90
128	4/15/2008	995.38
131	4/15/2008	997.88
140	4/15/2008	993.22
ES1-08	4/15/2008	996.24
North Caisson	4/15/2008	979.65
East Street Area 1-South		
31R	4/14/2008	991.72
ESA1S-33	4/14/2008	994.41
34	4/14/2008	994.37
35	4/14/2008	994.95
45	4/14/2008	994.96
46	4/14/2008	994.46
72	4/14/2008	994.44

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
East Street Area 1-South (cont.)		
72R	4/14/2008	994.87
75	4/14/2008	994.57
76	4/14/2008	993.94
78	4/14/2008	994.39
80	4/14/2008	985.46
90	4/14/2008	982.20
139R	4/14/2008	978.47
ES1-13	4/14/2008	994.32
ES1-23R	4/14/2008	987.49
GMA1-6	4/14/2008	992.99
GMA1-7	4/14/2008	974.36
GMA1-18	4/14/2008	993.44
South Caisson	4/15/2008	987.73
Lyman Street Area		
GMA1-5	4/16/2008	972.50
B-2	4/16/2008	972.23
E-4	4/16/2008	973.98
LS-12	4/16/2008	972.11
LS-13	4/16/2008	975.41
LS-21	4/16/2008	969.92
LS-24	4/16/2008	970.04
LS-30	4/16/2008	972.26
LS-31	4/16/2008	972.73
LS-38	4/16/2008	971.81
LSSC-06	4/16/2008	970.39
LSSC-08S	4/16/2008	972.05
LSSC-08I	4/16/2008	972.05
LSSC-09	4/16/2008	971.44
LSSC-16S	4/16/2008	973.24
LSSC-18	4/16/2008	973.24
LSSC-34I	4/16/2008	970.60
LSSC-34S	4/16/2008	970.86
MW-3R	4/16/2008	974.62
MW-4R	4/16/2008	972.68
MW-6R	4/16/2008	975.54
RW-1(R)	4/15/2008	967.57
RW-2	4/15/2008	969.82
RW-3	4/15/2008	968.90

Table 3
Groundwater Elevation Data - Spring 2008 Monitoring Round

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL[1])
Newell Street Area I		
FW-16R	4/16/2008	974.11
IA-9R	4/16/2008	974.54
MM-1	4/16/2008	977.29
Newell Street Area II		
GMA1-8	4/16/2008	973.44
GMA1-9	4/16/2008	974.12
GMA1-25	4/16/2008	975.79
GMA1-26	4/16/2008	975.19
GMA1-27	4/16/2008	967.43
GMA1-28	4/16/2008	974.83
MW-1S	4/16/2008	974.72
NS-10	4/16/2008	973.12
NS-20	4/16/2008	979.80
NS-37	4/16/2008	973.48
Silver Lake Area		
SLGW-01S	4/14/2008	976.50
SLGW-05S	4/14/2008	976.30
SLGW-06S	4/14/2008	981.66
Silver Lake Gauge	4/14/2008	984.46

Notes:

1. AMSL - Above Mean Sea Level

Table 4
Field Parameter Measurements - Spring 2008

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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	5.0	7.91	6.89	0.618	147.0	0.64
RAA 4 - EAST STREET AREA 2-SOUTH						
3-6C-EB-14	5	8.91	6.52	1.655	202.500	0.91
E2SC-23	1	7.23	7.43	0.352	143.000	4.06
E2SC-24	7	10.66	6.99	1.267	-38.900	3.64
ES2-02A	6	9.75	6.92	0.764	-64.100	0.84
ESA2S-64	5	11.13	6.81	1.256	-77.900	0.55
GMA1-13	21	9.89	6.66	0.873	156.300	2.88
HR-G3-MW-1	2	10.51	6.98	1.609	-73.7	1.58
RAA 5 - EAST STREET AREA 2-NORTH						
ES1-05	2.0	12.27	6.64	1.596	91.6	1.88
ES1-27R	5.0	7.96	7.69	0.323	106.6	6.62
RAA 12 - LYMAN STREET AREA						
LS-29	7	10.32	7.46	0.762	113.7	3.31
LSSC-08S	1	11.68	6.82	0.770	182.8	5.53
LSSC-16S	8	10.72	6.98	1.298	85.7	1.72
LSSC-18	0	10.19	7.26	0.388	143.3	5.98
LS-MW-4R	5	12.52	6.87	1.188	-60.1	0.82
RAA 13 - NEWELL STREET AREA II						
GMA1-25	3	9.58	7.04	0.527	13.8	2.26
GMA1-27	14	5.52	6.94	0.117	149.6	8.93
N2SC-07S	2	10.89	7.07	0.662	-64.6	0.84

Table 4
Field Parameter Measurements - Spring 2008

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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	2	11.00	7.00	1.220	197.8	8.58
139R	5	7.24	7.48	0.543	111.8	6.82
GMA1-6	7	14.38	6.74	1.822	-47.6	0.28
GMA1-18	7	9.86	7.78	0.498	109.4	8.83

Notes:

1. Measurements collected during Spring 2008 groundwater sampling event performed between April 3 and 17, 2008.
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 Spring 2008
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-2	139R	72R	GMA1-18	GMA1-6
Parameter Date Collected:	Standards	04/03/08	04/17/08	04/17/08	04/17/08
Volatile Organics					
1,1,1-Trichloroethane	4	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloroform	0.05	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Tetrachloroethene	0.05	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Toluene	50	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Trichloroethene	0.03	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Total VOCs	5	NA	ND(0.10) [ND(0.10)]	NA	ND(0.10)
PCBs-Filtered					
None Detected	0.005	--	--	--	--
Semivolatile Organics					
1,4-Dichlorobenzene	0.2	NA	ND(0.0010) [ND(0.0010)]	NA	0.00081 J

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 Spring 2008
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-2	LSSC-16S	GMA1-25	GMA1-27
Parameter Date Collected:	Standards	04/08/08	04/09/08	04/09/08
Volatile Organics				
1,1,1-Trichloroethane	4	0.00016 J	ND(0.0010)	ND(0.0010)
Chloroform	0.05	0.00048 J	ND(0.0010)	ND(0.0010)
Tetrachloroethene	0.05	0.0080	ND(0.0010)	ND(0.0010)
Toluene	50	ND(0.0010)	0.00017 J	ND(0.0010)
Trichloroethene	0.03	0.0011	ND(0.0010)	ND(0.0010)
Total VOCs	5	0.0097 J	0.00017 J	ND(0.10)
PCBs-Filtered				
None Detected	0.005	NA	--	--
Semivolatile Organics				
1,4-Dichlorobenzene	0.2	ND(0.0010)	ND(0.0050) [ND(0.0050)]	ND(0.0052)

Notes:

1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, semivolatiles and metals (filtered).
2. Only volatile , semivolatile and PCBs analyses are presented for the GW-2 Standards Comparison.
3. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007).
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 , semivolatile and PCBs 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.
9. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

J - Indicates an estimated value less than the practical quantitation limit (PQL).
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 Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:		30s Complex	East St. Area 1 - South		
Sample ID:	Method 1 GW-3	RF-02	139R	72R	GMA1-18
Parameter Date Collected:	Standards	04/10/08	04/03/08	04/17/08	04/17/08
Volatile Organics					
1,1,1-Trichloroethane	20	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethane	20	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethene	30	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloroethane	20	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Benzene	10	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chlorobenzene	1	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroethane	Not Listed	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroform	20	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloromethane	Not Listed	NA	NA	ND(0.0010) J [ND(0.0010) J]	NA
Ethylbenzene	5	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Methylene Chloride	50	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Tetrachloroethene	30	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Toluene	40	NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,2-Dichloroethene	50	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Trichloroethene	5	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Vinyl Chloride	50	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Xylenes (total)	5	NA	NA	ND(0.0010) [ND(0.0010)]	NA
PCBs-Filtered					
None Detected	0.010	--	--	--	--
Semivolatile Organics					
1,4-Dichlorobenzene	8	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Inorganics-Filtered					
Beryllium	0.2	NA	NA	ND(0.0100) [0.00161 B]	NA
Thallium	3	NA	NA	0.00961 J [0.0166 J]	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 Spring 2008
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	East St. Area 1 - South GMA1-6 04/17/08	East St. Area 2 - North ES1-05 04/11/08	East St. Area 2 - North ES1-27R 04/10/08	East St. Area 2 - South 3-6C-EB-14 04/11/08
Volatile Organics					
1,1,1-Trichloroethane	20	ND(0.0010)	NA	NA	0.0042
1,1-Dichloroethane	20	ND(0.0010)	NA	NA	0.0054
1,1-Dichloroethene	30	ND(0.0010)	NA	NA	0.00023 J
1,2-Dichloroethane	20	ND(0.0010)	NA	NA	ND(0.0010)
Benzene	10	ND(0.0010)	NA	NA	0.00082 J
Chlorobenzene	1	ND(0.0010)	NA	NA	ND(0.0010)
Chloroethane	Not Listed	ND(0.0010)	NA	NA	ND(0.0010)
Chloroform	20	ND(0.0010)	NA	NA	0.00064 J
Chloromethane	Not Listed	ND(0.0010) J	NA	NA	ND(0.0010)
Ethylbenzene	5	ND(0.0010)	NA	NA	ND(0.0010)
Methylene Chloride	50	ND(0.0050)	NA	NA	ND(0.0050)
Tetrachloroethene	30	ND(0.0010)	NA	NA	0.00031 J
Toluene	40	ND(0.0010)	NA	NA	0.00047 J
trans-1,2-Dichloroethene	50	ND(0.0010)	NA	NA	0.00069 J
Trichloroethene	5	ND(0.0010)	NA	NA	0.0015
Vinyl Chloride	50	ND(0.0010)	NA	NA	0.0017
Xylenes (total)	5	ND(0.0010)	NA	NA	ND(0.0010)
PCBs-Filtered					
None Detected	0.010	--	--	--	NA
Semivolatile Organics					
1,4-Dichlorobenzene	8	0.00081 J	NA	NA	NA
Inorganics-Filtered					
Beryllium	0.2	NA	NA	NA	NA
Thallium	3	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 Spring 2008
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-23	E2SC-24	ES2-02A	ESA2S-64
Parameter Date Collected:	Standards	04/03/08	04/18/08	04/10/08	04/18/08
Volatile Organics					
1,1,1-Trichloroethane	20	NA	NA	ND(0.0010)	ND(0.010)
1,1-Dichloroethane	20	NA	NA	0.00015 J	0.014
1,1-Dichloroethene	30	NA	NA	ND(0.0010)	ND(0.010)
1,2-Dichloroethane	20	NA	NA	0.00098 J	ND(0.010)
Benzene	10	NA	NA	0.023	0.0036 J
Chlorobenzene	1	NA	NA	ND(0.0010)	0.14
Chloroethane	Not Listed	NA	NA	0.0034	ND(0.010) J
Chloroform	20	NA	NA	ND(0.0010)	ND(0.010)
Chloromethane	Not Listed	NA	NA	ND(0.0010)	ND(0.010)
Ethylbenzene	5	NA	NA	0.0054	0.013
Methylene Chloride	50	NA	NA	ND(0.0050)	0.0056 J
Tetrachloroethene	30	NA	NA	ND(0.0010)	ND(0.010)
Toluene	40	NA	NA	0.00045 J	0.0017 J
trans-1,2-Dichloroethene	50	NA	NA	0.00024 J	ND(0.010)
Trichloroethene	5	NA	NA	ND(0.0010)	ND(0.010)
Vinyl Chloride	50	NA	NA	ND(0.0010)	ND(0.010)
Xylenes (total)	5	NA	NA	0.0031	0.030
PCBs-Filtered					
None Detected	0.010	--	--	NA	NA
Semivolatile Organics					
1,4-Dichlorobenzene	8	NA	NA	NA	NA
Inorganics-Filtered					
Beryllium	0.2	NA	NA	NA	NA
Thallium	3	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 Spring 2008
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	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R
Parameter Date Collected:	Standards	04/07/08	04/10/08	04/08/08	04/08/08
Volatile Organics					
1,1,1-Trichloroethane	20	NA	NA	NA	ND(0.0010)
1,1-Dichloroethane	20	NA	NA	NA	ND(0.0010)
1,1-Dichloroethene	30	NA	NA	NA	ND(0.0010)
1,2-Dichloroethane	20	NA	NA	NA	ND(0.0010)
Benzene	10	NA	NA	NA	0.0042
Chlorobenzene	1	NA	NA	NA	ND(0.0010)
Chloroethane	Not Listed	NA	NA	NA	ND(0.0010) J
Chloroform	20	NA	NA	NA	ND(0.0010)
Chloromethane	Not Listed	NA	NA	NA	0.0036
Ethylbenzene	5	NA	NA	NA	ND(0.0010)
Methylene Chloride	50	NA	NA	NA	ND(0.0050)
Tetrachloroethene	30	NA	NA	NA	ND(0.0010)
Toluene	40	NA	NA	NA	ND(0.0010)
trans-1,2-Dichloroethene	50	NA	NA	NA	ND(0.0010)
Trichloroethene	5	NA	NA	NA	ND(0.0010)
Vinyl Chloride	50	NA	NA	NA	0.00054 J
Xylenes (total)	5	NA	NA	NA	ND(0.0010)
PCBs-Filtered					
None Detected	0.010	--	--	--	NA
Semivolatile Organics					
1,4-Dichlorobenzene	8	NA	NA	NA	NA
Inorganics-Filtered					
Beryllium	0.2	NA	NA	NA	NA
Thallium	3	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 Spring 2008
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-08S	LSSC-18	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	Standards	04/08/08	04/08/08	04/09/08	04/09/08	04/09/08
Volatile Organics						
1,1,1-Trichloroethane	20	NA	NA	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethane	20	NA	NA	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethene	30	NA	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroethane	20	NA	NA	ND(0.0010)	ND(0.0010)	NA
Benzene	10	NA	NA	ND(0.0010)	ND(0.0010)	NA
Chlorobenzene	1	NA	NA	ND(0.0010)	ND(0.0010)	NA
Chloroethane	Not Listed	NA	NA	ND(0.0010)	ND(0.0010)	NA
Chloroform	20	NA	NA	ND(0.0010)	ND(0.0010)	NA
Chloromethane	Not Listed	NA	NA	ND(0.0010)	ND(0.0010)	NA
Ethylbenzene	5	NA	NA	ND(0.0010)	ND(0.0010)	NA
Methylene Chloride	50	NA	NA	ND(0.0050)	ND(0.0050)	NA
Tetrachloroethene	30	NA	NA	ND(0.0010)	ND(0.0010)	NA
Toluene	40	NA	NA	0.00017 J	ND(0.0010)	NA
trans-1,2-Dichloroethene	50	NA	NA	ND(0.0010)	ND(0.0010)	NA
Trichloroethene	5	NA	NA	ND(0.0010)	ND(0.0010)	NA
Vinyl Chloride	50	NA	NA	ND(0.0010)	ND(0.0010)	NA
Xylenes (total)	5	NA	NA	ND(0.0010)	ND(0.0010)	NA
PCBs-Filtered						
None Detected	0.010	--	--	--	--	--
Semivolatile Organics						
1,4-Dichlorobenzene	8	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Inorganics-Filtered						
Beryllium	0.2	NA	NA	NA	NA	NA
Thallium	3	NA	NA	NA	NA	NA

Notes:

1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, semivolatiles and metals (filtered).
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (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.
6. Only those constituents detected in one or more samples are summarized.
7. -- Indicates that all constituents for the parameter group were not detected.

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 practicalquantitation 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 Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:		30s Complex	East St. Area 1 - South		
Sample ID:	MCP UCL	RF-02	139R	72R	GMA1-18
Parameter Date Collected:	for GroundWater	04/10/08	04/03/08	04/17/08	04/17/08
Volatile Organics					
1,1,1-Trichloroethane	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethane	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloroethane	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Benzene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chlorobenzene	10	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroethane	Not Listed	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroform	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloromethane	Not Listed	NA	NA	ND(0.0010) J [ND(0.0010) J]	NA
Ethylbenzene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Methylene Chloride	100	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Tetrachloroethene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Toluene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,2-Dichloroethene	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Trichloroethene	50	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Vinyl Chloride	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Xylenes (total)	100	NA	NA	ND(0.0010) [ND(0.0010)]	NA
PCBs-Filtered					
None Detected	0.100	--	--	--	--
Semivolatile Organics					
1,4-Dichlorobenzene	80	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Inorganics-Filtered					
Beryllium	2	NA	NA	ND(0.0100) [0.00161 B]	NA
Thallium	30	NA	NA	0.00961 J [0.0166 J]	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 Spring 2008
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:	MCP UCL	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter Date Collected:	for GroundWater	04/17/08	04/11/08	04/10/08	04/11/08
Volatile Organics					
1,1,1-Trichloroethane	100	ND(0.0010)	NA	NA	0.0042
1,1-Dichloroethane	100	ND(0.0010)	NA	NA	0.0054
1,1-Dichloroethene	100	ND(0.0010)	NA	NA	0.00023 J
1,2-Dichloroethane	100	ND(0.0010)	NA	NA	ND(0.0010)
Benzene	100	ND(0.0010)	NA	NA	0.00082 J
Chlorobenzene	10	ND(0.0010)	NA	NA	ND(0.0010)
Chloroethane	Not Listed	ND(0.0010)	NA	NA	ND(0.0010)
Chloroform	100	ND(0.0010)	NA	NA	0.00064 J
Chloromethane	Not Listed	ND(0.0010) J	NA	NA	ND(0.0010)
Ethylbenzene	100	ND(0.0010)	NA	NA	ND(0.0010)
Methylene Chloride	100	ND(0.0050)	NA	NA	ND(0.0050)
Tetrachloroethene	100	ND(0.0010)	NA	NA	0.00031 J
Toluene	100	ND(0.0010)	NA	NA	0.00047 J
trans-1,2-Dichloroethene	100	ND(0.0010)	NA	NA	0.00069 J
Trichloroethene	50	ND(0.0010)	NA	NA	0.0015
Vinyl Chloride	100	ND(0.0010)	NA	NA	0.0017
Xylenes (total)	100	ND(0.0010)	NA	NA	ND(0.0010)
PCBs-Filtered					
None Detected	0.100	--	--	--	NA
Semivolatile Organics					
1,4-Dichlorobenzene	80	0.00081 J	NA	NA	NA
Inorganics-Filtered					
Beryllium	2	NA	NA	NA	NA
Thallium	30	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 Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID: / Sample ID: / Parameter / Date Collected:	MCP UCL for GroundWater	East St. Area 2 - South E2SC-23 04/03/08	East St. Area 2 - South E2SC-24 04/18/08	East St. Area 2 - South ES2-02A 04/10/08	East St. Area 2 - South ESA2S-64 04/18/08
Volatile Organics					
1,1,1-Trichloroethane	100	NA	NA	ND(0.0010)	ND(0.010)
1,1-Dichloroethane	100	NA	NA	0.00015 J	0.014
1,1-Dichloroethene	100	NA	NA	ND(0.0010)	ND(0.010)
1,2-Dichloroethane	100	NA	NA	0.00098 J	ND(0.010)
Benzene	100	NA	NA	0.023	0.0036 J
Chlorobenzene	10	NA	NA	ND(0.0010)	0.14
Chloroethane	Not Listed	NA	NA	0.0034	ND(0.010) J
Chloroform	100	NA	NA	ND(0.0010)	ND(0.010)
Chloromethane	Not Listed	NA	NA	ND(0.0010)	ND(0.010)
Ethylbenzene	100	NA	NA	0.0054	0.013
Methylene Chloride	100	NA	NA	ND(0.0050)	0.0056 J
Tetrachloroethene	100	NA	NA	ND(0.0010)	ND(0.010)
Toluene	100	NA	NA	0.00045 J	0.0017 J
trans-1,2-Dichloroethene	100	NA	NA	0.00024 J	ND(0.010)
Trichloroethene	50	NA	NA	ND(0.0010)	ND(0.010)
Vinyl Chloride	100	NA	NA	ND(0.0010)	ND(0.010)
Xylenes (total)	100	NA	NA	0.0031	0.030
PCBs-Filtered					
None Detected	0.100	--	--	NA	NA
Semivolatile Organics					
1,4-Dichlorobenzene	80	NA	NA	NA	NA
Inorganics-Filtered					
Beryllium	2	NA	NA	NA	NA
Thallium	30	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 Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID: / Sample ID: / Parameter / Date Collected:	MCP UCL for GroundWater	East St. Area 2 - South GMA1-13 04/07/08	East St. Area 2 - South HR-G3-MW-1 04/10/08	Lyman Street Area LS-29 04/08/08	Lyman Street Area LS-MW-4R 04/08/08
Volatile Organics					
1,1,1-Trichloroethane	100	NA	NA	NA	ND(0.0010)
1,1-Dichloroethane	100	NA	NA	NA	ND(0.0010)
1,1-Dichloroethene	100	NA	NA	NA	ND(0.0010)
1,2-Dichloroethane	100	NA	NA	NA	ND(0.0010)
Benzene	100	NA	NA	NA	0.0042
Chlorobenzene	10	NA	NA	NA	ND(0.0010)
Chloroethane	Not Listed	NA	NA	NA	ND(0.0010) J
Chloroform	100	NA	NA	NA	ND(0.0010)
Chloromethane	Not Listed	NA	NA	NA	0.0036
Ethylbenzene	100	NA	NA	NA	ND(0.0010)
Methylene Chloride	100	NA	NA	NA	ND(0.0050)
Tetrachloroethene	100	NA	NA	NA	ND(0.0010)
Toluene	100	NA	NA	NA	ND(0.0010)
trans-1,2-Dichloroethene	100	NA	NA	NA	ND(0.0010)
Trichloroethene	50	NA	NA	NA	ND(0.0010)
Vinyl Chloride	100	NA	NA	NA	0.00054 J
Xylenes (total)	100	NA	NA	NA	ND(0.0010)
PCBs-Filtered					
None Detected	0.100	--	--	--	NA
Semivolatile Organics					
1,4-Dichlorobenzene	80	NA	NA	NA	NA
Inorganics-Filtered					
Beryllium	2	NA	NA	NA	NA
Thallium	30	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 Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:		Lyman Street Area			Newell St. Area II
Sample ID:	MCP UCL	LSSC-08S	LSSC-16S	LSSC-18	GMA1-25
Parameter Date Collected:	for GroundWater	04/08/08	04/08/08	04/08/08	04/09/08
Volatile Organics					
1,1,1-Trichloroethane	100	NA	0.00016 J	NA	ND(0.0010)
1,1-Dichloroethane	100	NA	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethene	100	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloroethane	100	NA	ND(0.0010)	NA	ND(0.0010)
Benzene	100	NA	ND(0.0010)	NA	ND(0.0010)
Chlorobenzene	10	NA	ND(0.0010)	NA	ND(0.0010)
Chloroethane	Not Listed	NA	ND(0.0010)	NA	ND(0.0010)
Chloroform	100	NA	0.00048 J	NA	ND(0.0010)
Chloromethane	Not Listed	NA	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	100	NA	ND(0.0010)	NA	ND(0.0010)
Methylene Chloride	100	NA	ND(0.0050)	NA	ND(0.0050)
Tetrachloroethene	100	NA	0.0080	NA	ND(0.0010)
Toluene	100	NA	ND(0.0010)	NA	0.00017 J
trans-1,2-Dichloroethene	100	NA	ND(0.0010)	NA	ND(0.0010)
Trichloroethene	50	NA	0.0011	NA	ND(0.0010)
Vinyl Chloride	100	NA	ND(0.0010)	NA	ND(0.0010)
Xylenes (total)	100	NA	ND(0.0010)	NA	ND(0.0010)
PCBs-Filtered					
None Detected	0.100	--	NA	--	--
Semivolatile Organics					
1,4-Dichlorobenzene	80	NA	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]
Inorganics-Filtered					
Beryllium	2	NA	NA	NA	NA
Thallium	30	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 Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:		Newell St. Area II	
Sample ID:	MCP UCL	GMA1-27	N2SC-07S
Parameter Date Collected:	for GroundWater	04/09/08	04/09/08
Volatile Organics			
1,1,1-Trichloroethane	100	ND(0.0010)	NA
1,1-Dichloroethane	100	ND(0.0010)	NA
1,1-Dichloroethene	100	ND(0.0010)	NA
1,2-Dichloroethane	100	ND(0.0010)	NA
Benzene	100	ND(0.0010)	NA
Chlorobenzene	10	ND(0.0010)	NA
Chloroethane	Not Listed	ND(0.0010)	NA
Chloroform	100	ND(0.0010)	NA
Chloromethane	Not Listed	ND(0.0010)	NA
Ethylbenzene	100	ND(0.0010)	NA
Methylene Chloride	100	ND(0.0050)	NA
Tetrachloroethene	100	ND(0.0010)	NA
Toluene	100	ND(0.0010)	NA
trans-1,2-Dichloroethene	100	ND(0.0010)	NA
Trichloroethene	50	ND(0.0010)	NA
Vinyl Chloride	100	ND(0.0010)	NA
Xylenes (total)	100	ND(0.0010)	NA
PCBs-Filtered			
None Detected	0.100	--	--
Semivolatile Organics			
1,4-Dichlorobenzene	80	ND(0.0052)	NA
Inorganics-Filtered			
Beryllium	2	NA	NA
Thallium	30	NA	NA

Notes:

1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, semivolatiles and metals (filtered).
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (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.
6. Only those constituents detected in one or more samples are summarized.
7. -- Indicates that all constituents for the parameter group were not detected.

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
Proposed Interim Groundwater Quality Monitoring Program

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule & Analyses			Basis for Inclusion or Exclusion/Comments
		Current Annual Analyses	Proposed [2] Annual Analyses	Proposed [3] Semi-Annual Analyses	
RAA 1 - 40s COMPLEX					
RF-04	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 2 - 30s COMPLEX					
ES2-19	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA1-2	GW-2 Sentinel	NONE	NONE	NONE	Well was removed during building demolition activities in area. GW-2 monitoring for PCBs in 30s Complex proposed to be conducted at wells ES2-19 and GMA1-3 should be sufficient to assess area.
GMA1-3	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA1-12	GW-2 Sentinel/GW-3 General/Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RF-02	GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
RF-03	GW-2 Sentinel /GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RF-03D	GW-3 General/Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RF-16	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 3 - 20s COMPLEX					
95-23	GW-3 General/Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

Table 8
Proposed Interim Groundwater Quality Monitoring Program

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule & Analyses			Basis for Inclusion or Exclusion/Comments
		Current Annual Analyses	Proposed [2] Annual Analyses	Proposed [3] Semi-Annual Analyses	
RAA 4 - EAST STREET AREA 2-SOUTH					
3-6C-EB-14	GW-3 Perimeter (Downgradient)	VOC	VOC	NONE	Average chlorobenzene are slightly below the GW-3 Standard (i.e., greater than 50%). Continued interim sampling proposed to further assess.
3-6C-EB-29	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-13	GW-3 General/Source Area Sentinel	PCB	NONE	NONE	Replacement for well 95-9. No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
95-25	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
E2SC-23	GW-3 Perimeter (Downgradient)	PCB	PCB	NONE	Average PCB concentrations are significantly less than new GW-3 Standard, but continued interim sampling for PCBs proposed based on location at edge of sheetpile containment barrier and to assess isolated exceedance. Average PCDD/PCDF TEQ concentration greater than the GW-3 Standard based on a single sampling event (remaining rounds well below GW-3 standard). Interim sampling for PCDDs/PCDFs is deferred.
E2SC-24	GW-3 Perimeter (Downgradient)	PCB	PCB	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location at edge of sheetpile containment barrier.
ES2-02A	GW-3 Perimeter (Downgradient)	VOC	VOC	NONE	Average chlorobenzene concentration is slightly greater than the GW-3 Standard. Interim sampling for VOCs proposed to further assess.
ES2-05	GW-3 General/ Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
ES2-08	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
ESA2S-52	GW-3 General/Source Area Sentinel	NONE	PCB	NONE	Average chlorobenzene concentrations are greater than the GW-3 Standard. Interim sampling for chlorobenzene is deferred. PCB concentrations are below revised GW-3 standard, but interim sampling proposed to assess increasing concentrations observed during baseline monitoring.
ESA2S-64	GW-3 Perimeter (Downgradient)	VOC	VOC	NONE	Average chlorobenzene concentration is slightly below the GW-3 Standard (i.e., approximately 50%). Interim sampling for VOCs proposed to further assess.
HR-G1-MW-3	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

Table 8
Proposed Interim Groundwater Quality Monitoring Program

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule & Analyses			Basis for Inclusion or Exclusion/Comments
		Current Annual Analyses	Proposed [2] Annual Analyses	Proposed [3] Semi-Annual Analyses	
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	Average chlorobenzene concentration is greater than the GW-3 Standard. Interim sampling for VOCs is deferred. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
RAA 5 - EAST STREET AREA 2-NORTH					
17A	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
95-20	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
A7	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
ES1-05	GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
ES1-10	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
ES1-18	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
ES1-20	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
ES1-27R	GW-3 General/ Source Area Sentinel	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
F-1	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA1-4	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.

Table 8
Proposed Interim Groundwater Quality Monitoring Program

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule & Analyses			Basis for Inclusion or Exclusion/Comments
		Current Annual Analyses	Proposed [2] Annual Analyses	Proposed [3] Semi-Annual Analyses	
GMA1-11	GW-3 General/ Source Area Sentinel	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 6 - EAST STREET AREA 1-NORTH					
ES1-08	GW-2 Sentinel/GW-3 General/Source Area Sentinel	NONE	NONE	NONE	Replaced by well ESA1S-33 for sampling purposes.
ES1-14	GW-2 Sentinel/GW-3 General/Source Area Sentinel	NONE	NONE	NONE	Replaced by well GMA1-18 for sampling purposes.
ESA1N-52	GW-2 Sentinel/GW-3 General/Source Area Sentinel	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
RAA 12 - LYMAN STREET AREA					
B-2	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
E-4	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
E-7	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-5	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
LS-28	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
LS-29	GW-3 General/ Source Area Sentinel	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
LSSC-08I	Supplemental Monitoring (Deep Downgradient)	NONE	NONE	NONE	PCB concentration was equal to 50 % of the revised GW-3 Standard in Spring 2003 (only time sampled). No additional sampling proposed.

Table 8
Proposed Interim Groundwater Quality Monitoring Program

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule & Analyses			Basis for Inclusion or Exclusion/Comments
		Current Annual Analyses	Proposed [2] Annual Analyses	Proposed [3] Semi-Annual Analyses	
LSSC-08S	GW-3 Perimeter (Downgradient)	PCB	PCB	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location at edge of sheetpile containment barrier.
LSSC-16S	GW-2 Sentinel	VOC (+5 SVOC)	VOC (+5 SVOC)	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location of well relative to adjacent building and edge of NAPL. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
LSSC-18	GW-3 Perimeter (Downgradient)	PCB	PCB	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location at edge of sheetpile containment barrier.
MW-3R	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
MW-4R	GW-3 Perimeter (Downgradient)	VOC	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
MW-6R	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 13 - NEWELL STREET AREA II					
GMA1-8	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-9	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-25	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	NONE	NONE	VOC/SVOC/PCB	Sampling and analysis to be conducted as required by EPA.
GMA1-27	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	NONE	NONE	VOC/SVOC/PCB	Sampling and analysis to be conducted as required by EPA.
N2SC-07S	GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
NS-09	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
NS-17	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
NS-20	GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
NS-37	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

Table 8
Proposed Interim Groundwater Quality Monitoring Program

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule & Analyses			Basis for Inclusion or Exclusion/Comments
		Current Annual Analyses	Proposed (2) Annual Analyses	Proposed (3) Semi-Annual Analyses	
RAA 14 - NEWELL STREET AREA I					
FW-16R	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
IA-9R	GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
MM-1	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
SZ-1	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
RAA 18 - EAST STREET AREA 1 SOUTH					
139R	GW-2 Sentinel/GW-3 Perimeter (Downgradient)	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below revised GW-3 standard, no further PCB sampling proposed.
72R	GW-2 Sentinel/GW-3 General/Source Area Sentinel	VOC(+5 SVOC)/ PCB/Cyanide/ Metals	VOC(+5 SVOC)/ PCB/Metals	NONE	Replacement for wells ES1-8 and ESA1S-33 downgradient of NAPL containment area. Physiologically available cyanide concentrations are well below GW-3 standard, no further cyanide sampling proposed.
37R	GW-2 Sentinel	NONE	NONE	PCB	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
ES1-23R	GW-2 Sentinel/GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.
GMA1-6	GW-2 Sentinel/GW-3 General/Source Area Sentinel	VOC(+5 SVOC)/ PCB	VOC(+5 SVOC)/ PCB	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location downgradient of NAPL containment area.
GMA1-7	GW-2 Sentinel/GW-3 Perimeter (Downgradient)	NONE	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program.

Table 8
Proposed Interim Groundwater Quality Monitoring Program

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule & Analyses			Basis for Inclusion or Exclusion/Comments
		Current Annual Analyses	Proposed (2) Annual Analyses	Proposed (3) Semi-Annual Analyses	
GMA1-18	GW-2 Sentinel/GW-3 General/Source Area Sentinel	PCB	NONE	NONE	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. PCB concentrations are well below new GW-2 and revised GW-3 standard, no further PCB sampling proposed.

NOTES:

1. The wells listed above have been sampled as part of the baseline monitoring program at GMA 1 and or during the interim groundwater quality monitoring program.
2. The wells proposed for annual groundwater quality sampling will be sampled for the listed parameters during the interim period between the completion of the baseline monitoring program and the initiation of a long-term monitorin program. The sampling schedule will alternate between the spring and fall seasons each year, with the next sampling round to be conducted in fall 2009.
3. The wells proposed for semi-annual groundwater quality sampling will be sampled for the listed parameters on a semi-annual basis and may be proposed to be removed from the interim groundwater quality monitoring program after the fourth data set is collected.
4. All analyses for PCB, metals, and cyanide will be performed on filtered samples only.
5. Mercury concentrations above the MCP GW-3 standards that were recorded at several wells during the fall 2002 sampling event were determined to be anomalous following additional sampling an a review of historical analytical data. Therefore, as previously approved by EPA, no interim analyses for mercury are proposed at GMA 1.

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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

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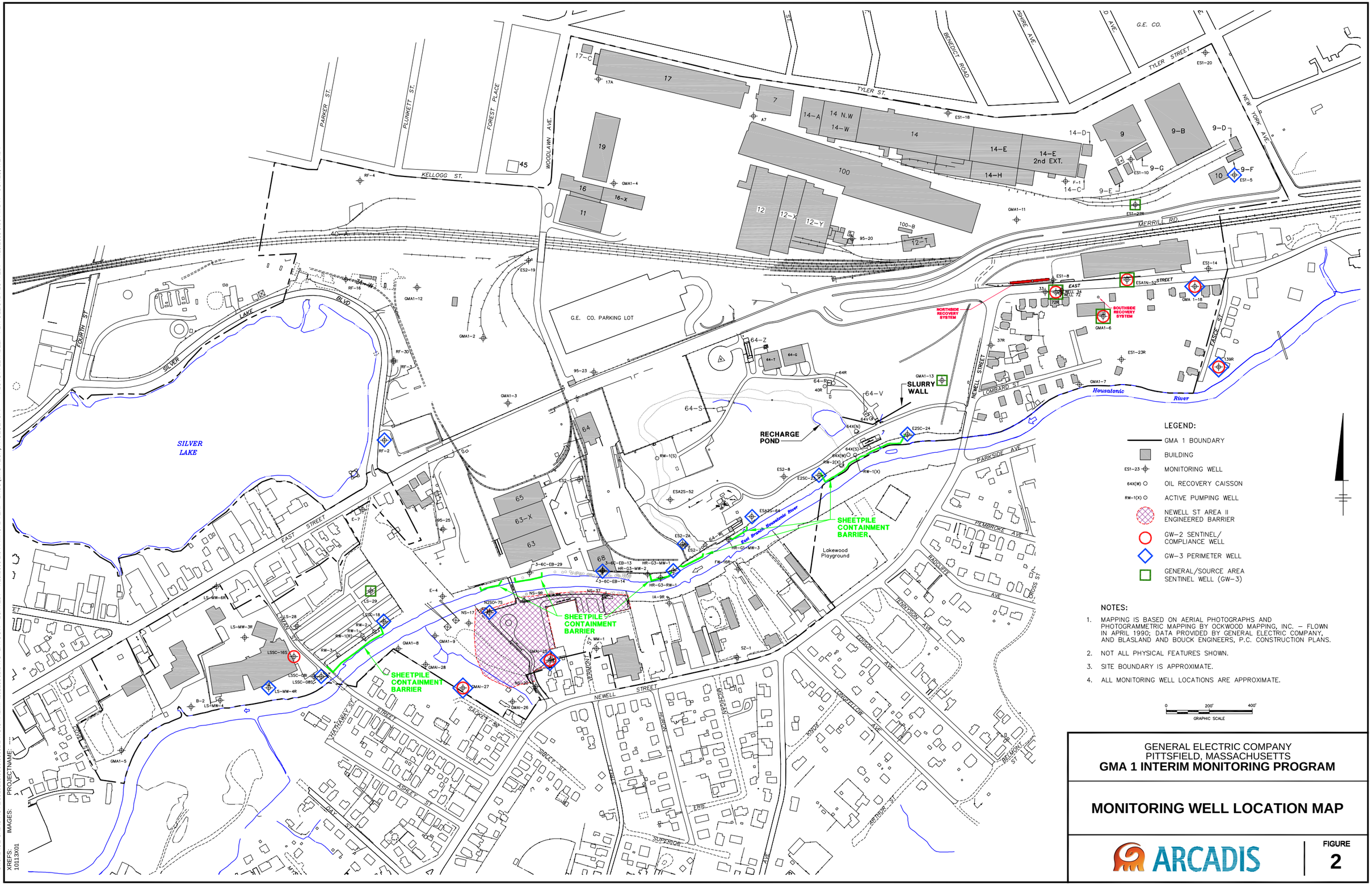
FIGURE 1



GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 1 INTERIM MONITORING PROGRAM

MONITORING WELL LOCATION MAP

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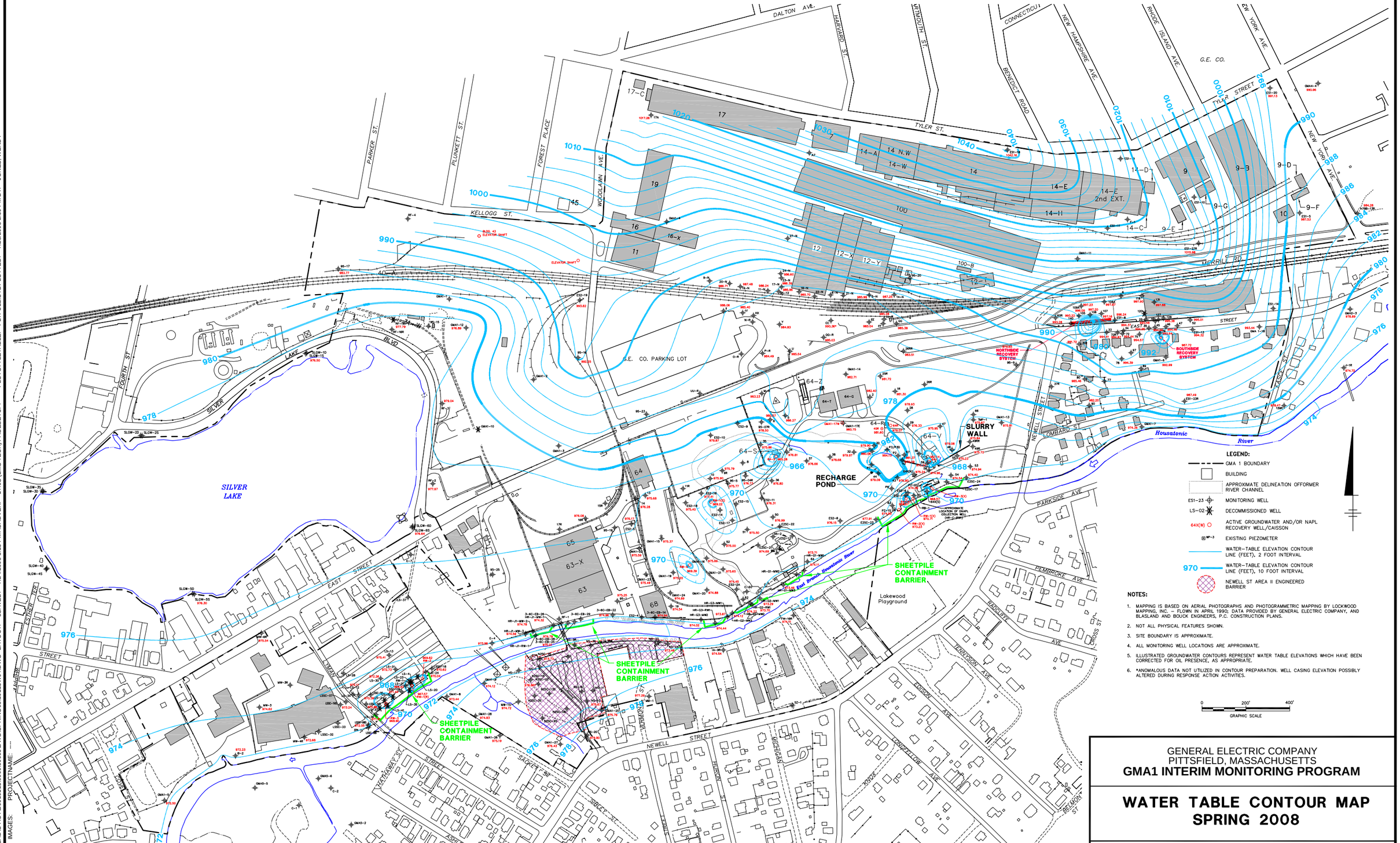
FIGURE
2



GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 INTERIM MONITORING PROGRAM

WATER TABLE CONTOUR MAP SPRING 2008

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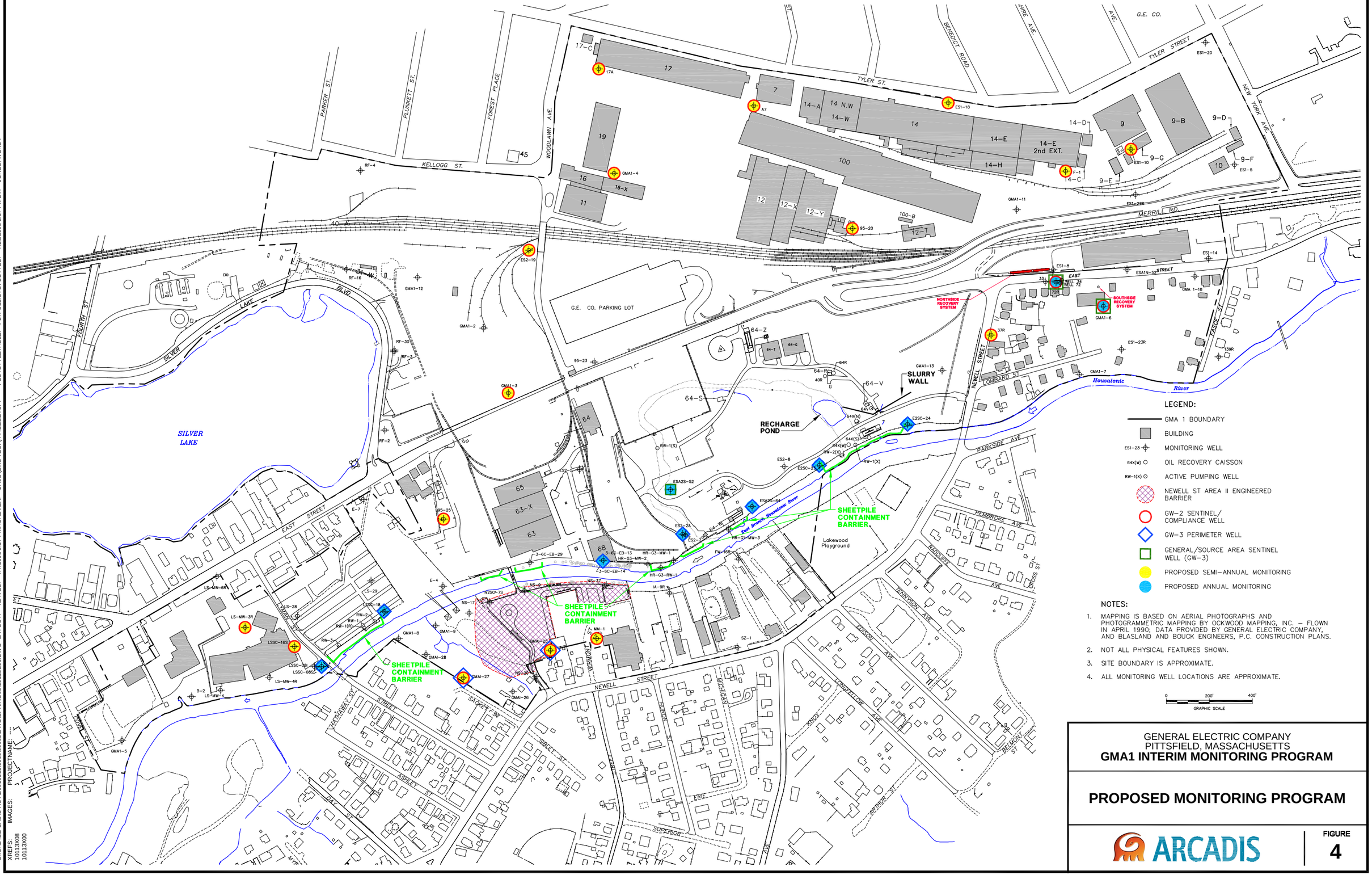
FIGURE 3



NOTES:

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

0 200' 400'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA1 INTERIM MONITORING PROGRAM

PROPOSED MONITORING PROGRAM

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FIGURE
4

CITY: SYRACUSE GROUP: ENV-141 DB: GMS RCB PM: N. SMITH TM: R. BATES LYR: ON=*;OFF=REF; (FRZ)
G:\CAD\GE-CAD\C-ACTB\0101130\000\0100005\DWG\SPRING08\101130B06.DWG LAYOUT: 4SAVED: 7/7/2008 5:17 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 7/28/2008 2:57 PM BY: JONES, WENDY
XREFS: 10113X08 10113X00 IMAGES: PROJECTNAME: ---

Appendices

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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 Spring 2008
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	Spring 2008
RAA 2 - 30s COMPLEX													
RF-02	SP	PP	PP	BP	NS	PP	NS	PP	PP	NS	NS	PP	PP
RF-16/RF-16R	PP	BP	PP	BP	NS	BP	NS	BP	BP	NS	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	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	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	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	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	BP
	Spring 2008: Rusty silt with initial purge, water full of large particles which appeared to be organic in nature. 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	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.												

Table A-1
Summary of Groundwater Sampling Methods

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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	Spring 2008
ESA2S-64	SP	BP	PP	BP	NS	NS	NS	NS	BP	NS	NS	BP	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	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	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	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	BP
	Fall 2002: Dissolved oxygen meter malfunction.												
RAA 6 - EAST STREET AREA 1-NORTH													
ES1-08	PP	PP	PP	NS	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	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.												

Table A-1
Summary of Groundwater Sampling Methods

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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	Spring 2008
ESA1N-52	PP	PP	PP	PP	NS	PP	NS	PP	PP	NS	NS	PP	NS
	Spring 2008: Could not sample well; sediment filled in. 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	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	BP
	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	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	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	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	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	BP
	Fall 2007: Well added to interim monitoring program.												

Table A-1
Summary of Groundwater Sampling Methods

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
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	Spring 2008
N2SC-07S	SP	BP	PP	BP	BP	BP	NS	BP	BP	NS	NS	PP	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. Spring 2008: 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	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	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.												
ESA1S-139/139R	PP	PP	BP/BA	PP	NS	NS	PP	PP	PP	NS	NS	PP	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	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	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. RF-02
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR, RJP
Date 4/10/08
Weather Mostly sunny, 55-60°F, windy

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -1.0' Meas. From Ground
Well Diameter 4"
Screen Interval Depth 3'-18' Meas. From Ground
Water Table Depth 4.46' Meas. From TIC
Well Depth 18.26' Meas. From TIC
Length of Water Column 13.8'
Volume of Water in Well 9.01 gallons
Intake Depth of Pump/Tubing 9.5' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 16:55
Sample ID RF-02
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 15:55
Pump Stop Time 17:05
Minutes of Pumping 70
Volume of Water Removed 1.85 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 03M0230Ac 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]*
16:00	100ml	0.13	4.54	—	—	—	8	—	—
16:05	100ml	0.26	4.54	9.50	6.79	0.609	6	5.25	163.2
16:10	100ml	0.40	4.56	8.79	6.86	0.610	7	0.97	164.8
16:15	100ml	0.53	4.56	8.90	6.90	0.611	7	0.67	164.9
16:20	100ml	0.66	4.56	8.70	6.92	0.612	7	0.56	163.8
16:25	100ml	0.79	4.56	8.58	6.94	0.616	6	0.48	160.0
16:30	100ml	0.92	4.56	8.15	6.92	0.617	6	0.69	156.2
16:35	100ml	1.06	4.56	8.06	6.93	0.617	6	0.70	155.6

* 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: Clear, odorless
Final Purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. RF-02

Site/GMA Name GE Pittsfield / GMA-1
Sampling Personnel GAR / RJP
Date 4/10/08
Weather Sunny, 55°F, Windy

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
16:40	100ml	1.19	4.56	8.03	6.92	0.618	6	0.67	152.1
16:45	100ml	1.32	4.56	7.99	6.90	0.619	5	0.69	148.7
16:50	100ml	1.45	4.56	7.91	6.89	0.618	5	0.64	147.0

* 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. 3-6C-EB-14
Key No. 2537
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR/RJP
Date 4/11/08
Weather Overcast, rain, 40-45°F

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 Ground
Water Table Depth 9.05' Meas. From TIC
Well Depth 21.54' Meas. From TIC
Length of Water Column 12.49'
Volume of Water in Well 2.04 gallons
Intake Depth of Pump/Tubing 16.3' 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 15:15
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 14:00
Pump Stop Time 15:20
Minutes of Pumping 80
Volume of Water Removed 2.1 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 03M0230AC 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]*
14:10	100ml	0.26	9.07	—	—	—	19	—	—
14:20	100ml	0.53	9.06	9.22	6.44	2.110	13	3.88	192.1
14:25	100ml	0.66	9.06	9.16	6.43	2.096	9	1.48	193.7
14:30	100ml	0.79	9.07	9.07	6.45	2.033	8	1.24	195.4
14:35	100ml	0.92	9.07	9.02	6.45	1.954	6	1.10	196.9
14:40	100ml	1.06	9.07	9.01	6.45	1.877	6	1.05	198.4
14:45	100ml	1.19	9.07	8.99	6.44	1.825	6	0.91	199.3
14:50	100ml	1.32	9.06	8.94	6.49	1.768	5	0.93	200.3

* 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

Initial Purge: Clear, [redacted] petro odor
Final Purge: Clear, [redacted] petro odor

SAMPLE DESTINATION

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

Field Sampling Coordinator: [signature]

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GROUNDWATER SAMPLING LOG

Well No. 3-GC-EB-14

Site/GMA Name GE Pittsfield-GMA-1
Sampling Personnel GARI RJP
Date 4/11/08
Weather Overcast, rain, 40°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]*
14:55	100ml	1.45	9.06	8.94	6.49	1.726	6	0.98	201.2
15:00	100 ml	1.59	9.06	8.91	6.51	1.694	5	0.89	201.4
15:05	100ml	1.72	9.07	8.90	6.51	1.674	4	0.84	202.4
15:10	100 ml	1.85	9.07	8.91	6.52	1.655	5	0.91	202.5

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. GMA1-13
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 1
Sampling Personnel KLC / RAB
Date 4/7/08
Weather Sunny Breezy High 40s

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point — Meas. From —
Well Diameter 2"
Screen Interval Depth 15-25 Meas. From BGS
Water Table Depth 16.67 Meas. From TIC
Well Depth 26.99 Meas. From TIC
Length of Water Column 10.32
Volume of Water in Well 1.68 gallons
Intake Depth of Pump/Tubing 21 Meas. From BGS

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

Redevelop? Y (N)

Sample Time 1355
Sample ID GMA 1-13
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 ~~3:05~~ ~~1505~~ 13:05
Pump Stop Time 1405
Minutes of Pumping 60
Volume of Water Removed 3.25 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) 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 #2 - 556 MPS Hach 2100P Turbidimeter 03C039AE

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]*
1305	200	—	15.70	—	—	—	95	—	—
1315	100	0.13	15.67	- waiting for flow			cell to fill -		—
1320	250	0.46	15.68	10.85	6.76	0.824	84	4.66	165.1
1325	250	0.79	15.67	10.59	6.59	0.827	61	4.25	160.1
1330	↓	1.12	15.67	10.03	6.71	0.839	59	3.60	154.6
1335		1.45	15.68	10.05	6.77	0.845	53	3.41	152.5
1340		1.78	15.68	10.09	6.73	0.865	47	3.15	151.7
1345	↓	2.11	15.68	9.99	6.67	0.870	29	3.01	157.7

* 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 Note: WATER IS VERY CLEAR BUT TURBIDITY IS READING HIGH. Used Bucket list to slowly flow through cell from 5am Hooked up to flow thru cell @ 1310

SAMPLE DESTINATION

Laboratory: TGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA 1-13

Site/GMA Name GMA 1
Sampling Personnel KLC / RAB
Date 4/7/08
Weather Sunny Breezy Mid 90s

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]*
1350	250	2.44	15.68	9.85	6.68	0.875	23	2.87	157.9
1355	250	2.77	15.68	9.89	6.66	0.873	21	2.88	156.3
		Sampled @ 1355							

* 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. EZ5C-23
Key No. EX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR
Date 4/3/08
Weather Mostly Sunny, 45-50°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +2.0' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 9'-19' Meas. From Ground
Water Table Depth 14.14' Meas. From TIC
Well Depth 21.17' Meas. From TIC
Length of Water Column 7.03'
Volume of Water in Well 1.15 gallons
Intake Depth of Pump/Tubing 17.7' 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 17:10
Sample ID EZ5C-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)
( )	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 16:15
Pump Stop Time 17:20
Minutes of Pumping 65
Volume of Water Removed 1.70 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
03C0392AE #2

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]*
16:20	100ml	0.13	14.29	—	—	—	2	—	—
16:35	100ml	0.53	14.45	7.42	7.53	0.350	2	6.00	141.5
16:40	100ml	0.66	14.47	7.30	7.42	0.351	1	5.31	144.0
16:45	100ml	0.79	14.49	7.15	7.39	0.349	1	4.44	148.3
16:50	100ml	0.92	14.52	7.43	7.45	0.350	1	4.19	143.7
16:55	100ml	1.06	14.52	7.13	7.45	0.353	1	4.10	143.5
17:00	100ml	1.19	14.52	7.17	7.45	0.352	1	4.14	140.5
17:05	100ml	1.32	14.52	7.23	7.43	0.352	1	4.06	143.0

* 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

pH Check 10 Buffer Reading: 10.02
4 Buffer Reading: 3.97
7 Buffer Reading: 6.98

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: FedEx
Airbill #: —

Field Sampling Coordinator:

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GROUNDWATER SAMPLING LOG

Well No. ES2C-24
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 1
Sampling Personnel JAF/AMB
Date 4/18/08
Weather Sunny, 60°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.9' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 9-19" Meas. From BGS
Water Table Depth 13.96 Meas. From TIC
Well Depth 21.61' Meas. From TIC
Length of Water Column 7.65
Volume of Water in Well 1.25
Intake Depth of Pump/Tubing ~16.5' 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 1050
Sample ID ES2C-24
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 909
Pump Stop Time 1104
Minutes of Pumping 115
Volume of Water Removed ~2.6 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS S/N: 08C0392 19E
HACH TURBIDIMETER S/N: 94110000 10523

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]*
910	100	0.026	14.02	—	—	—	138	—	—
915	50	0.092	13.99	—	—	—	142	—	—
920	50	0.158	13.99	—	—	—	108	—	—
925	75	0.257	13.99	—	—	—	106	—	—
930	75	0.356	13.99	—	—	—	103	—	—
935	75	0.455	13.99	—	—	—	87	—	—
940	75	0.554	13.99	—	—	—	68	—	—
945	75	0.653	13.99	—	—	—	56	—	—

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: slightly yellow in color, very turbid, cloudy.

SAMPLE DESTINATION

Laboratory: SLS
Delivered Via: UPS Fed Ex
Airbill #: —

Field Sampling Coordinator:

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GROUNDWATER SAMPLING LOG

Well No. ES2C-24

Site/GMA Name GMA 1
Sampling Personnel JAP/AMB
Date 4/8/08
Weather Sunny, 60's 70'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]*
950	150	0.851	13.99	—	—	—	56	—	—
955	150	0.983	13.99	—	—	—	49	—	—
1003	100	1.115	13.99	11.45	7.14	1.239	~~74~~ 42	14.92	-53.2
1008	100	1.247	13.99	11.07	7.12	1.238	34	5.63	-48.9
1013	100	1.380	13.99	10.69	7.09	1.244	28	5.05	-45.9
1018	100	1.512	13.99	10.42	7.07	1.249	21	4.51	-44.0
1023	100	1.644	13.99	10.32	6.98	1.252	17	4.13	-42.3
1028	100	1.776	13.99	10.29	6.99	1.257	13	3.86	-41.1
1033	100	1.908	13.99	10.39	7.05	1.262	11	3.72	-40.2
1038	100	2.040	13.99	10.38	7.01	1.262	8	3.75	-39.7
1043	100	2.172	13.99	10.55	7.03	1.264	7	3.65	-39.0
1048	100	2.305	13.99	10.66	6.99	1.267	7	3.64	-38.9

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 1
Sampling Personnel KLC / RAD
Date 4/10/08
Weather Sunny Breezy High 40s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -.10" Meas. From Ground
Well Diameter 2"
Screen Interval Depth 3-18 Meas. From TIC
Water Table Depth 5.56 Meas. From TIC
Well Depth 17.17 Meas. From TIC
Length of Water Column 11.61
Volume of Water in Well 1.89 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)

Sample Time 11:15
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 1015
Pump Stop Time 1120
Minutes of Pumping 65
Volume of Water Removed 2.20 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 H 03C0392 AE (#2) 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]*
1015	150	—	4.58	—	—	—	165	—	—
1020		0.20	5.27	—	—	—	62	—	—
1025		0.40	5.22	—	—	—	32	—	—
1030		0.60	5.41	9.33	6.66	0.358	92	2.21	-30.0
1035	150	0.79	5.38	9.20	6.60	0.358	10% 23	1.73	-27.1
1040		0.99	5.27	9.48	6.58	0.362	25	1.14	-25.4
1040		1.19	5.27	9.53	6.57	0.392	20	1.07	-28.7
1045		1.39	—	9.56	6.67	0.498	13	1.01	-41.9

* 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 Rusty silt with initial purge. Slight sheen on bucket. Loaded up to YSI Flowcell @ 1025. Water full of flocculence (large particles) appeared to be organic in nature.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. ESZ-02A

Site/GMA Name GMA 1
Sampling Personnel KLC / BAB
Date 4/10/08
Weather Sunny breezy High 90s

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	150	1.59	5.22	9.85	6.78	0.635	9	0.98	-50.4
1055	100	1.72	5.17	9.75	6.85	0.685	7	0.95	-59.2
1100	↓	1.85	5.20	9.83	6.86	0.706	6	0.90	-61.8
1103	↓	1.99	5.16	9.79	6.87	0.720	6	0.89	-63.3
1106		2.12	5.13	9.91	6.91	0.734	5	0.90	-65.2
1109		2.25	5.15	9.93	6.91	0.750	7	0.83	-65.2
1112		2.38	5.16	9.96	6.88	0.756	6	0.81	-65.0
1115		2.51	5.35	9.75	6.92	0.764	6	0.84	-64.1
		Sampled @	1115						

* 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. ESA2S-64
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA1
Sampling Personnel DRA, RAS
Date 4/18/08
Weather SUNNY 75°

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 11.15 Meas. From TIC
Well Depth 21.82 Meas. From TIC
Length of Water Column 10.67'
Volume of Water in Well 1.74 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 1110
Sample ID ESA2S-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 0955
Pump Stop Time 1115
Minutes of Pumping 80
Volume of Water Removed ~~3.5~~ gal
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 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]*
1000	80	0.11	11.15	—	—	—	32	—	—
1005	80	0.21	11.15	—	—	—	23	—	—
1010	100	0.34	11.15	—	—	—	—	—	—
1015	125	~~0.51~~	11.15	11.35	6.71	1.214	15	2.17	-72.3
1020	100	0.64	11.15	11.23	6.69	1.219	17	1.00	-71.5
1025	200	0.90	11.15	10.87	6.74	1.229	14	1.14	-70.4
1030	200	1.16	11.15	10.79	6.73	1.231	15	0.87	-70.4
1035	200	~~1.42~~	11.15	10.71	6.70	1.236	13	0.86	-71.9

* 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

SAMPLE DESTINATION

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

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

ESA25 -
Well No. 64

*Site/GMA Name GMA1
Sampling Personnel DRA RAS
Date 4/18/08
Weather SUNNY 75°

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]*
1040	200	1.68	11.15	10.58	6.77	1.242	9	0.51	-71.2
1045	200	1.94	11.15	10.81	6.77	1.243	7	0.56	-73.8
1050	200	2.20	11.15	10.92	6.74	1.247	6	0.39	-75.0
1055	200	2.46	11.15	11.18	6.73	1.248	6	0.37	-76.5
1100	200	2.72	11.15	10.95	6.74	1.256	6	0.54	-76.3
1105	200	2.98	11.15	11.07	6.73	1.254	6	0.51	-77.0
1110	200	3.24	11.15	11.13	6.81	1.256	5	0.55	-77.9
— SAMPLE COLLECTED AT 1110 —									

* 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. HR-G3-MW-1
Key No. FX 37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA1
Sampling Personnel RLC/RAB
Date 4/10/08
Weather Sunny Breezy Low 50s

WELL INFORMATION

Sample Time 1354
Sample ID HR-G3-MW-1
Duplicate ID —
MS/MSD —
Split Sample ID —

Reference Point Marked? Y N
Height of Reference Point 48 Meas. From ground
Well Diameter 2"
Screen Interval Depth 4-14.1 Meas. From ~~TIC~~ bls Ground
Water Table Depth 12.61 Meas. From TIC
Well Depth 17.60 Meas. From TIC
Length of Water Column 4.99
Volume of Water in Well 0.81 gallon
Intake Depth of Pump/Tubing ~~15~~ 14 Meas. From Top of Casing

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 1320
Pump Stop Time 1400
Minutes of Pumping 40
Volume of Water Removed 2.90 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 # 03C0392 AE (#2) 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]*
1320	—	~~12.82~~	12.82	—	—	—	128	—	—
1325	350	0.46	12.88	—	—	—	53	—	—
1330	350	0.92	12.98	10.56	6.90	1.555	13	4.60	-79.2
1335	250	1.25	~~13~~ 12.85	10.38	6.96	1.573	6	2.55	-76.8
1340		1.58	12.82	10.58	6.96	1.590	5	1.70	-75.6
1345		1.91	12.86	10.66	6.99	1.598	3	1.70	-75.5
1348 1350		2.11	12.82	10.58	6.98	1.608	2	1.56	-75.0
1351		2.31	12.82	10.46	6.98	1.611	2	1.53	-74.6

* 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 - slight rust orange no odor. Tacked up to 1st flow cell @ 1325 - Kept flow through cell shaded while waiting for well to stabilize

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

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GROUNDWATER SAMPLING LOG

Well No. HR-G3-MW-1

Site/GMA Name GMA 1
Sampling Personnel KLC/RAB
Date 4/10/08
Weather Sunny BREEZY 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]*
1354	250	2.50	12.82	10.51	6.98	1.609	2	1.58	-73.7
		Sampled @ 1354							

* 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-05 wb
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 1
Sampling Personnel KLF/EAB
Date 4/14/08
Weather Lt Rain Cloudy

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -4 Meas. From Ground
Well Diameter 2"
Screen Interval Depth 35-45 Meas. From Ground
Water Table Depth 31.55 Meas. From TIC
Well Depth 45.55 Meas. From TIC
Length of Water Column 8.3'
Volume of Water in Well 1.35 gallon
Intake Depth of Pump/Tubing 44 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 909
Sample ID ESI-05M
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 815
Pump Stop Time 915
Minutes of Pumping 60
Volume of Water Removed 4.05 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI # 03C0392 AE (#2) Hach 2100P Turbidimeter
556-MPS

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]*
820	400	0.53	35.79	—	—	—	30	—	—
825	360	0.93	35.71	12.78	6.67	1.576	25	1.97	123.7
830	360	1.33	35.75	12.45	6.65	1.577	18	1.50	116.1
835	350	1.66	35.78	12.43	6.64	1.583	12	1.24	97.8
840	↓	1.99	35.73	12.44	6.64	1.587	9	1.39	91.5
845		2.32	35.75	12.37	6.62	1.596	7	2.10	90.1
850		2.65	35.75	12.35	6.64	1.593	5	2.28	88.9
853	↓	2.85	35.75	12.34	6.64	1.591	4	2.42	88.7

* 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 Calibrated to YSI @ 9:20
Initial purge clear - no odors noted

SAMPLE DESTINATION

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

Field Sampling Coordinator:

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GROUNDWATER SAMPLING LOG

Well No. ESA1-5A^RD

Site/GMA Name GMA1
Sampling Personnel KLC/RAB
Date 4/11/08
Weather Lt Rain Low 40

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]*
856	250	3.05	35.95	12.36	6.64	1.595	3	2.24	89.2
900		3.31	35.75	12.33	6.64	1.595	2	2.11	89.7
903		3.51	35.75	12.29	6.65	1.593	2	1.87	90.7
906		3.71	35.75	12.28	6.64	1.595	2	1.90	90.7
909	↓	3.91	35.75	12.27	6.64	1.596	2	1.88	91.6
		Sampled @ 909							

* 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. ES1-27R
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA1
Sampling Personnel KLC/RJB
Date 4/10/08
Weather Sunny Breezy High 70s

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point 4" Meas. From Ground
Well Diameter 2"
Screen Interval Depth 9.3-19.3 Meas. From Ground
Water Table Depth 6.81 Meas. From TIC
Well Depth 19.03 Meas. From TIC
Length of Water Column 12.22
Volume of Water in Well 1.99 gallons
Intake Depth of Pump/Tubing 14.5' Meas. From Ground

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

Redevelop? Y (N)

Sample Time 9:25
Sample ID ES1-27R
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 900
Pump Stop Time 935
Minutes of Pumping 35
Volume of Water Removed 1.40 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 # 03C0392 AE (#2) Hach 2100P Turbidimeter
556-MPS

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]*
900	—	—	7.05	—	—	—	12	—	—
Hooked up to YSI @ 905				—	—	—	—	—	—
910	150	0.40	8.77	8.80	7.44	0.330	10	7.17	118.0
915	↓	0.60	8.97	8.06	7.49	0.323	6	6.32	116.8
920		0.80	8.79	7.96	7.59	0.322	5	6.38	113.7
925		0.99	8.99	7.94	7.65	0.323	5	6.64	110.3
930	↓	1.19	8.79	7.96	7.69	0.323	5	6.62	106.6
		Sampled @	925						

* 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 clear Meador

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

Field Sampling Coordinator:

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GROUNDWATER SAMPLING LOG

Well No. ESAIW-82
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name _____
Sampling Personnel DRA, RAS
Date 4/17/08
Weather SUNNY 55°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth 2-22 Meas. From _____
Water Table Depth 4.25 Meas. From _____
BOTTOM Well Depth 5.64 Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

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

Redevelop? Y N

Sample Time _____
Sample ID _____
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 0925
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? (Y) N

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

Water Quality Meter Type(s) / Serial Numbers: _____

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]*
0932			5.09	11.33	6.27	65.32		3.11	134.5

* 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
PCBs - Filtered
WATER STOPPED PUMPING @ 0935; DROPPED INTAKE ~4". ATTEMPTED TO REDEVELOP WELL → FINAL DTB = 7.16.

SAMPLE DESTINATION

Laboratory: _____
Delivered Via: _____
Airbill #: _____

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. LS-29
Key No.
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield GMA 1
Sampling Personnel KIC, RAB
Date 4/8/03
Weather 40's, Sunny

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point 2.1 Meas. From Ground
Well Diameter 2"
Screen Interval Depth 24.6 - 34.6 Meas. From Ground
Water Table Depth 16.02 Meas. From TIC
Well Depth 37.94 Meas. From TIC
Length of Water Column 21.92
Volume of Water in Well 3.58 gallons
Intake Depth of Pump/Tubing 29.6 Meas. From TIC

Sample Time 1126
Sample ID LS-29
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 940
Pump Stop Time 1135
Minutes of Pumping 115
Volume of Water Removed 4.6 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 #2 03C039AE 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]*
940	150	~~16.50~~	16.50	—	—	—	—	—	—
945	↓	0.20		—	—	—	—	—	—
950	↓	0.40	16.07 →	—	—	—	28	—	—
955	↓	0.60	16.07 →	—	—	—	—	—	—
1000	↓	0.80	16.03 →	9.81	11.00	—	34	—	—
1015	↓	1.00	16.03 →	10.06	9.59	0.346	38	6.05	102.7
1020	↓	1.20	16.03 →	10.11	8.82	0.460	49	5.99	109.7
1025	↓	1.40	16.03	10.03	8.32	0.507	44	5.72	105.2

Note Back See Notes →

* 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 950
YSI leaking - disconnected. Flow cell to reset @ 955
1000 - pH read as 11.00 very high - cleaned probe and washed with soapy solution reconnected @ 1010 Checked w/ litmus paper pH ≈ 7
Checked previous sampling - pH was initially high then dropped to 7
reconnected YSI @ 1010

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

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GROUNDWATER SAMPLING LOG

Well No. LS-29

Site/GMA Name GMA1 Laguna ST

Sampling Personnel KLC/RAB

Date 4/5/07

Weather Sunny Dry Ag 3rd 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]*
1030	150	1.60	16.04	10.01	8.13	0.521	47	5.61	108.0
1035		1.80	16.04	10.01	7.87	0.551	38	5.29	112.3
1040		2.00	16.04	10.02	7.81	0.590	28	4.96	111.7
1045		2.20	16.04	10.06	7.65	0.632	25	4.74	118.6
1050		2.40	16.04	10.16	7.58	0.675	18	4.46	121.1
1055		2.60	16.04	10.11	7.56	0.700	17	4.18	115.1
1100		2.80	16.04	10.21	7.47	0.721	14	3.99	120.9
1105		3.00	16.04	10.19	7.51	0.729	12	3.85	116.4
1110		3.20	16.04	10.35	7.46	0.737	12	3.66	120.7
1115		3.40	16.04	10.29	7.46	0.750	9	3.51	115.5
1120		3.60	16.04	10.31	7.47	0.757	8	3.43	114.3
1123		3.80	16.04	10.32	7.48	0.761	7	3.37	113.4
1126	↓	4.00	16.04	10.32	7.46	0.762	7	3.31	113.7

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMI/GE Pittsfield
Sampling Personnel KIC/KAB
Date 4/8/08
Weather Sunny Breezy low 50s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -.55 Meas. From ground nb
Well Diameter 2"
Screen Interval Depth 9-14 Meas. From TIC Ground
Water Table Depth 7.74 Meas. From TIC
Well Depth 13.81 Meas. From TIC
Length of Water Column 6.07
Volume of Water in Well 0.99 gallon
Intake Depth of Pump/Tubing 12' Meas. From Ground

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

Redeveloped? Y (N)

Sample Time 1404
Sample ID LS-MW-4R
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 1318
Pump Stop Time 1410
Minutes of Pumping 52
Volume of Water Removed 2.25 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: YSI #2 03C0392AE

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]*
1320	200	0.11	7.86	—	—	—	~~15.5~~ 14	—	—
1325	200	0.37	7.85	12.59	6.94	1.188	16	4.32	-88.9
1330	200	0.63	7.82	12.52	6.86	1.188	11	2.26	-81.9
1335	150	0.83	7.84	12.51	6.82	1.190	13	1.60	-75.3
1340	150	1.03	7.84	12.46	6.81	1.186	11	1.33	-72.1
1345	150	1.23	7.85	12.58	6.77	1.187	9	1.14	-69.2
1350	150	1.43	7.85	12.56	6.80	1.190	8	1.04	-69.2
1355	150	1.63	7.85	12.49	6.85	1.191	7	0.96	-69.2

* 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 Started at flow cell @ 1320
Odor - yellowish in color - initial purge strong odor
Ensured flow through cell shutdown / YSI Shutdown

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. LS-MW-4R

Site/GMA Name GMA 1/GE Pittsfield

Sampling Personnel KLC/RAB

Date 4/8/08

Weather Sunny Breezy Mid 50s

WELL INFORMATION - See Page 1

Time 1358	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	150	1.75	7.85	12.45	6.88	1.191	6	0.87	-67.9
1401	150	1.87	7.85	12.48	6.87	1.190	5	0.84	-64.1
1404	150	1.99	7.85	12.52	6.87	1.188	5	0.82	-60.1
		Sampled @ 1404							

* 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. L55C-085
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR/PF
Date 4/8/08
Weather Sunny, 55°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.70' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 5'-15' Meas. From Ground
Water Table Depth 10.57' Meas. From TIC
Well Depth 14.17' Meas. From TIC
Length of Water Column 3.60
Volume of Water in Well 0.59 gallon
Intake Depth of Pump/Tubing 12.4 Meas. From TIC

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

Redevelop? Y (N)

Sample Time 14:45
Sample ID L55C-085
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 13:30
Pump Stop Time 15:00
Minutes of Pumping 90
Volume of Water Removed 2.4 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 03M0230AC #4 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]*
13:40	100ml	0.26	10.76	—	—	—	24	—	—
13:45	100ml	0.40	10.77	12.30	6.77	0.652	12	6.50	139.5
13:50	100ml	0.53	10.78	11.78	6.84	0.666	6	5.90	166.6
13:55	100ml	0.66	10.78	11.56	6.88	0.678	7	6.08	177.8
14:00	100ml	0.79	10.77	11.57	6.84	0.692	5	5.94	185.0
14:05	100ml	0.92	10.77	11.76	6.85	0.704	4	5.79	187.1
14:10	100ml	1.06	10.76	11.77	6.84	0.716	4	5.92	188.8
14:15	100ml	1.19	10.76	11.91	6.85	0.727	3	5.66	189.1

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

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

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. L55C-083

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR/PF
Date 4/8/08
Weather Sunny, 55°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]*
14:20	100ml	1.32	10.77	11.77	6.84	0.740	2	5.57	190.4
14:25	100ml	1.45	10.75	11.69	6.84	0.749	4	5.58	188.9
14:30	100ml	1.59	10.74	11.63	6.84	0.759	2	5.62	187.6
14:35	100ml	1.72	10.73	11.64	6.82	0.765	1	5.55	185.3
14:40	100ml	1.85	10.74	11.68	6.82	0.770	1	5.53	182.8

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. LSSC-16S
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name LSSC 16S GE Pittsfield/GMA 1
Sampling Personnel RAB / KLC
Date 4/8/08
Weather 50's Sunny

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -1" Meas. From BGS
Well Diameter 2"
Screen Interval Depth 5-15 Meas. From TIC
Water Table Depth 7.80 Meas. From TIC
Well Depth 13.55 Meas. From TIC
Length of Water Column 5.75
Volume of Water in Well 0.94 gallon
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 1628
Sample ID LSSC-16S
Duplicate ID —
MS/MSD —
Split Sample ID —

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

EVACUATION INFORMATION

Pump Start Time 1530
Pump Stop Time 1640
Minutes of Pumping 60
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: bladder pump - Marschalk - System One
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 03C039AE #2 Hach 2100P Turbidimeter
556 MPS

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	300	0.40	7.87	—	—	—	5	—	—
1540		0.79	7.87	11.19	6.84	2.142	203*	5.60	132.9
1545		1.03	7.85	—	—	—	104	—	—
1545		1.19	7.82	—	—	—	394	—	—
1550		1.59	7.82	—	—	—	177	—	—
1553		1.82	7.86	—	—	—	66	—	—
1555		1.98	7.86	—	—	—	45	—	—
1600	↓	2.38	7.84	10.88	7.01	1.367	20	3.28	108.9

* 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 clear no noticable odor
*unhooked YSI due to high turbidity, water became dark brown muddy-
*well located in shade of adjacent building

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. LSSC-16S

Site/GMA Name GE Pittsfield 1/GMA 1

Sampling Personnel KC/RAB

Date 4/8/08

Weather 40's Sunny

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1605	300	2.77	7.82	10.77	6.98	~~101.6~~	13	2.00	101.6
						1.324			
1610	↓	3.17	7.82	10.71	7.01	1.302	11	1.84	93.3
1615	↓	3.57	7.82	10.72	~~7.18~~ 7.02	1.293	8	1.76	89.5
1620	↓	3.96	7.82	10.70	6.97	1.292	7	1.74	87.0
1623		4.20	7.82	10.72	6.98	1.298	8	1.72	85.7
1628	→ Sampled @ 1628 ←								

* 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

@ 1615 the pH was 7.02 KC

GROUNDWATER SAMPLING LOG

Well No. L33C-18
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield / GMA-1
Sampling Personnel GAR / PF
Date 4/8/08
Weather Sunny, 45°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +1.95 Meas. From Ground
Well Diameter 2"
Screen Interval Depth 9'-19' Meas. From Ground
Water Table Depth 16.50' Meas. From TIC
Well Depth 22.02' Meas. From TIC
Length of Water Column 5.52'
Volume of Water in Well 0.90 gallon
Intake Depth of Pump/Tubing 19.3' 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 11:05
Sample ID L33C-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 10:15
Pump Stop Time 11:15
Minutes of Pumping 60
Volume of Water Removed 1.6 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 03M0230 AC #4 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]*
10:25	100ml	0.26	16.51	—	—	—	1	—	—
10:35	100ml	0.53	16.51	10.70	7.22	0.388	1	5.62	134.7
10:40	100ml	0.66	16.51	10.22	7.16	0.392	1	5.98	137.7
10:45	100ml	0.79	16.51	10.03	7.23	0.386	0	6.22	138.8
10:50	100ml	0.92	16.51	10.00	7.27	0.387	1	6.32	139.5
10:55	100ml	1.06	16.51	10.06	7.26	0.387	0	5.88	142.2
11:00	100ml	1.19	16.51	10.19	7.26	0.388	0	5.98	143.3

* 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

Initial Purge: Clear, odorless
Final Purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

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GROUNDWATER SAMPLING LOG

Well No. GMA1-25
Key No. 2537
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR/PF
Date 4/9/08
Weather Mostly Cloudy, 45-50°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.30' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 5'-15' Meas. From Ground
Water Table Depth 11.20' Meas. From TIC
Well Depth 16.84' Meas. From TIC
Length of Water Column 5.64'
Volume of Water in Well 0.92 gallon
Intake Depth of Pump/Tubing 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 12:30
Sample ID GMA1-25
Duplicate ID GMA1-DUP-1
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 10:30
Pump Stop Time 13:30
Minutes of Pumping 180
Volume of Water Removed 4.75 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS 03M0230AC 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]*
10:45	100ml	0.40	11.21	—	—	—	78	—	—
10:50	100ml	0.66	11.21	—	—	—	57	—	—
11:05	100ml	0.92	11.22	—	—	—	50	—	—
11:15	100ml	1.19	11.22	—	—	—	30	—	—
11:20	100ml	1.32	11.21	9.62	6.94	0.504	27	5.20	89.7
11:25	100ml	1.45	11.22	9.45	6.98	0.498	25	4.30	82.9
11:30	100ml	1.59	11.22	9.68	7.02	0.508	20	3.62	75.5
11:35	100ml	1.72	11.22	9.46	6.96	0.504	17	3.50	59.6

* 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: Orange-brown, odorless
Final Purge: Clear, odorless
* Extra volume collected for Duplicate of SVOCs only

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

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

GROUNDWATER SAMPLING LOG

Well No. GMA 1-25

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR
Date 4/9/08
Weather Mostly cloudy, 55°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]*
11:40	100ml	1.85	11.22	9.36	6.98	0.498	14	3.69	53.0
11:45	100ml	1.98	11.22	9.47	7.00	0.501	14	3.57	50.7
11:50	100ml	2.11	11.22	9.41	7.02	0.509	11	3.15	45.6
11:55	100ml	2.25	11.22	9.30	6.98	0.509	9	3.17	35.6
12:00	100ml	2.38	11.22	9.45	7.00	0.510	8	3.07	28.5
12:05	100ml	2.51	11.22	9.70	7.00	0.517	6	2.67	27.1
12:10	100ml	2.64	11.22	9.57	7.03	0.513	5	2.78	20.3
12:15	100ml	2.77	11.22	9.69	7.00	0.519	4	2.40	17.5
12:20	100ml	2.91	11.22	9.75	7.02	0.526	4	2.25	15.0
12:25	100ml	3.04	11.22	9.58	7.04	0.527	3	2.26	13.8

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 1
Sampling Personnel KLC/RAB
Date 4/9/08
Weather Mostly cloudy low 40s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point + 1'10" Meas. From Ground
Well Diameter 2
Screen Interval Depth 4-14 Meas. From Ground
Water Table Depth 6.65 Meas. From TIC
Well Depth 16.34 Meas. From TIC
Length of Water Column 9.69
Volume of Water in Well 1.58 gallons
Intake Depth of Pump/Tubing 11 Meas. From Ground

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

Redeveloped? Y (N)

Sample Time 11:39
Sample ID GMA1-27
Duplicate ID —
MS/MSD GMA1-27MS, GMA1-27MSD
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X) (SVOCs only)
( )	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 1015
Pump Stop Time 1205
Minutes of Pumping 110
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 # 03C0392 AE (#2) Hach 2100P Turbidimeter
556-MPS

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	—	—	6.87	—	—	—	369	—	—
1020		0.26	6.66	—	—	—	256	—	—
1025	200	0.53	6.72	—	—	—	245	—	—
1030	↓	0.79	6.82	—	—	—	150	—	—
1035	↓	1.06	6.68	—	—	—	100	—	—
1038	↓	1.22	6.67	—	—	—	79	—	—
1041	↓	1.37	6.71	—	—	—	54	—	—
1045	↓	1.59	6.70	6.78	7.18	0.128	46	4.23	169.4

* 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 Initial purge med brown clay silty
No odor in initial purge YSI. Hooked up 1043 Flow through stacked

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

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GROUNDWATER SAMPLING LOG

Well No. GMA1-27

Site/GMA Name GMA 1
Sampling Personnel KLC/RAB
Date 4/9/08
Weather Mostly Cloudy Mid 40s

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	~~200~~ 150	1.78	6.68	6.42	6.95	0.127	~~41.2~~ 39	11.28	162.9
1055	150	1.98	6.71	6.16	6.97	0.124	33	10.42	157.1
1100	↓	2.18	6.68	6.06	6.93	0.120	31	9.88	157.1
1105	↓	2.38	6.68	6.02	6.93	0.118	27	9.70	155.7
1110		2.58	6.67	6.00	6.92	0.118	25	9.50	154.8
1115		2.77	6.71	5.72	6.91	0.117	27	9.43	153.8
1118		2.89	6.70	5.56	6.93	0.117	21	9.48	151.8
1121		3.01	6.68	5.47	6.90	0.115	21	9.32	152.3
1124		3.13	6.71	5.50	6.92	0.115	19	9.20	150.9
1127		3.25	6.71	5.50	6.95	0.114	17	9.10	148.6
1130		3.37	6.68	5.50	6.94	0.115	16	9.09	149.1
1133		3.49	6.70	5.48	6.94	0.116	14	9.01	150.0
1136		3.61	6.67	5.43	6.98	0.116	14	9.02	148.4
1139	↓	3.73	6.68	5.52	6.94	0.117	14	8.93	149.6
		Sampled @	11:39						

* 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 Started 3 minute intervals @ 1115

GROUNDWATER SAMPLING LOG

Well No. NZSC-07S
Key No. CSG
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 1
Sampling Personnel KLC / KAB
Date 4/9/08
Weather Sunny Breezy low 60s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -4" Meas. From Ground
Well Diameter 2"
Screen Interval Depth 8.9-18.9 Meas. From Ground
Water Table Depth 8.87 Meas. From TIC
Well Depth 18.90 Meas. From TIC
Length of Water Column 10.03
Volume of Water in Well 1.64 gallons
Intake Depth of Pump/Tubing 14 Meas. From Ground

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

Redevelop? Y (N)

Sample Time 1540
Sample ID NZSC-07S
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 1455
Pump Stop Time 1560
Minutes of Pumping 55
Volume of Water Removed 3.10 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( ) Attempted bladder pump stuck in well
Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: Geo pump
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 03C0392 AE (#2) HACH 2100 P Turbidimeter 556-MPS

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]*
1455	—	—	8.92	—	—	—	10	—	—
1500	250	Hooked up to YSI		—	—	—	10	—	—
1505		0.66	8.87	11.04	7.03	0.661	7	2.96	-61.1
1510	200	0.92	8.88	11.01	7.04	0.659	5	1.66	-62.0
1515	↓	1.18	8.90	11.06	7.04	0.659	5	1.32	-62.5
1520		1.45	8.90	11.01	7.09	0.660	5	1.12	-63.9
1525		1.71	8.91	10.76	7.08	0.660	4	1.07	-61.1
1530	↓	1.98	8.89	10.77	7.07	0.660	3	0.93	-61.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS No marking on well

No noticeable odor Tried to use bladder pump stuck @ 10" into well. Used Geopump Hooked up to YSI @ 1500 Used bucket to shield flow through cell from direct sunlight

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. N2SC-07S

Site/GMA Name GMA1
Sampling Personnel KLC/RAB
Date 4/9/08
Weather Sunny Breezy High 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	200	2.24	8.90	10.96	7.07	0.6661	2	1.90	-63.3
1540	↓	2.51	8.89	10.89	7.07	0.6662	2	0.84	-64.6
		Sampled @ 1540							

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

Site/GMA Name GMA 1
Sampling Personnel JAP/AMB
Date 4/1/08
Weather Sunny, 50°F

WELL INFORMATION

Reference Point Marked? Y (N)
Height of Reference Point 0.1' Meas. From BGS
Well Diameter 4"
Screen Interval Depth 4-14' Meas. From BGS
Water Table Depth 6.18' Meas. From TIC
Well Depth 13.32' Meas. From TIC
Length of Water Column 7.14'
Volume of Water in Well 4.66 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)

Sample Time 1005
Sample ID GMA1-72R
Duplicate ID GMA1-DUP-2
MS/MSD Collected
Split Sample ID —

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

EVACUATION INFORMATION

Pump Start Time 930
Pump Stop Time 1254
Minutes of Pumping 204
Volume of Water Removed ~5.4 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS S/N 07C0392 AE
HACH TURBIDIMETER / SN: 7H100006522

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]*
931	100	0.026	6.20	—	—	—	1	—	—
940	100	0.264	6.24	10.99	6.88	1.215	3	10.10	212.7
945	100	0.396	6.24	10.82	6.93	1.220	3	9.25	209.6
950	100	0.529	6.24	10.72	6.95	1.221	3	9.03	206.3
955	100	0.661	6.26	10.91	6.98	1.219	2	8.74	201.1
1000	100	0.793	6.26	11.00	7.00	1.220	2	8.58	197.8

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: Clear, no odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 139R
Key No. EX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-1
Sampling Personnel GAR
Date 4/3/08
Weather Sunny, 40-45°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.40' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 6'-16' Meas. From Ground
Water Table Depth 7.38' Meas. From TIC
Well Depth 14.18' Meas. From TIC
Length of Water Column 6.80'
Volume of Water in Well 1.11 gallon
Intake Depth of Pump/Tubing 10.8' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 13:00
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 12:00
Pump Stop Time 13:10
Minutes of Pumping 70
Volume of Water Removed 1.85 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-556MPS Hach 2100P Turbidimeter
03E0392AE #2

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]*
12:05	100ml	0.13	7.57	—	—	—	6	—	—
12:10	100ml	0.26	7.67	7.56	6.95	0.507	6	12.60	178.1
12:15	100ml	0.40	7.73	7.30	6.72	0.515	6	8.84	176.0
12:20	100ml	0.53	7.79	7.35	6.87	0.523	7	8.38	156.3
12:25	100ml	0.66	7.82	7.54	7.12	0.533	5	7.94	130.3
12:30	100ml	0.79	7.84	7.35	7.31	0.541	5	7.84	116.8
12:35	100ml	0.92	7.87	7.44	7.39	0.541	5	7.60	112.8
12:40	100ml	1.06	7.88	7.24	7.42	0.542	5	7.50	110.1

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

Initial Purge: Clear, odorless
Final Purge: Clear, odorless

pH check 10 Buffer Reading 10.02
4 Buffer Reading 3.97
7 Buffer Reading 6.98

SAMPLE DESTINATION

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

Field Sampling Coordinator:

Well No. 139R

Site Name GE Pittsfield - GMA-1

Sampling Personnel GAR

Date 4/3/08

Weather Sunny, 40-45°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]*
12:45	100ml	1.19	7.91	7.21	7.45	0.544	6	7.29	109.8
12:50	100ml	1.32	7.93	7.23	7.48	0.544	5	7.01	109.7
12:55	100ml	1.45	7.95	7.24	7.48	0.543	5	6.82	111.8

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. GMA1-6
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE PITTSFIELD - GMA1
Sampling Personnel DRA BAS
Date 4/17/08
Weather SUNNY 75°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From Ground
Well Diameter 2"
Screen Interval Depth 5-15 Meas. From Ground
Water Table Depth 7.58 Meas. From TIC
Well Depth 14.81 Meas. From TIC
Length of Water Column 7.23'
Volume of Water in Well 1.18 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 1510
Sample ID GMA1-6
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
( )	VOCs (Std. list)	( )
(X)	VOCs (Exp. list)	(X)
( )	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 1400
Pump Stop Time 1516
Minutes of Pumping 76
Volume of Water Removed 4.0 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 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]*
1409	200	0.48	7.81	—	—	—	317	—	—
1414	200	0.74	7.89	—	—	—	195	—	—
1419	200	1.00	7.89	—	—	—	70	—	—
1424	200	1.27	7.91	—	—	—	33	—	—
1434	200	1.80	7.89	14.09	6.68	1.789	19	0.61	-33.6
1439	200	2.06	7.86	14.11	6.74	1.796	12	0.45	-35.7
1444	200	2.32	7.87	14.06	6.73	1.813	10	0.37	-38.5
1449	200	2.59	7.87	14.20	6.74	1.816	8	0.32	-42.1

* 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:

C:\WORK\GE\Groundwater\554186\Attachment\D-2

GROUNDWATER SAMPLING LOG

Well No. GMA1-6

Site/GMA Name GE PITTSFIELD GMA1-6
Sampling Personnel DRA, RAS
Date 4/17/08
Weather SUNNY 75°

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]*
14:54	200	2.85	7.88	14.45	6.74	1.824	8	0.34	-44.0
14:59	200	3.12	7.86	14.30	6.74	1.826	8	0.27	-46.0
15:04	200	3.38	7.88	14.35	6.74	1.831	7	0.26	-47.5
15:09	200	3.65	7.87	14.38	6.74	1.822	7	0.28	-47.6
SAMPLE TAKEN AT 15:10.									

* 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 GMA 1
Sampling Personnel JAP / AMP
Date 4/17/08
Weather Sunny, 70's (°F)

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~0.2' Meas. From PVC-S
Well Diameter 2"
Screen Interval Depth 4-14 Meas. From PVC-S
Water Table Depth 5.22 Meas. From TIC
Well Depth 13.52 Meas. From TIC
Length of Water Column 8.3'
Volume of Water in Well ~1.35gal
Intake Depth of Pump/Tubing ~9.5' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1522
Sample ID GMA1-18
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 1418 (JP) ~~1420~~
Pump Stop Time 1532
Minutes of Pumping (JP) ~~78~~ 74
Volume of Water Removed ~~[redacted]~~ 2.0 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDIMETER SN: 94110000 6523
YSI MPS556 SN: 03C0392 AF

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]*
1420	50	0.026	5.22	—	—	—	5	—	—
1430	75	0.224	5.33	11.77	7.53	0.493	46	9.97	161.8
1435	100	0.356	5.36	11.05	7.54	0.492	52	9.29	164.7
1440	100	0.489	5.37	10.63	7.60	0.491	58	9.26	163.8
1445	100	0.621	5.37	10.39	7.64	0.491	37	9.29	164.2
1450	100	0.753	5.51	10.46	7.69	0.493	26	9.21	154.3
1455	100	0.885	5.48	9.74	7.75	0.496	16	9.12	137.9
1500	100	1.018	5.48	7.78	7.68	0.496	12	9.02	142.9

* 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 clear; then turbid but cleared up.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

C:\WORKGE\Groundwater\054199\Attachment\D-2

GROUNDWATER SAMPLING LOG

Well No. GMA1-18

Site/GMA Name GMA1
Sampling Personnel JAP/AMR
Date 4/7/08
Weather Sunny & high 70's

WELL INFORMATION - See Page 1

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1505	100	1.150	5.50	9.77	7.98	0.497	9	7.04	111.8
1510	100	1,283	5.50	9.78	7.79	0.498	8	8.99	112.3
1515	100	1.415	5.50	9.83	7.86	0.498	8	8.90	112.2
1520	100	1,547	5.50	9.86	7.78	0.498	7	8.83	109.4

* 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

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Appendix B

Groundwater Analytical Results

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	30s Complex	East St. Area 1 - South		
Sample ID:	RF-02	139R	72R	GMA1-18
Parameter / Date Collected:	04/10/08	04/03/08	04/17/08	04/17/08
Volatile Organics				
1,1,1,2-Tetrachloroethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1,1-Trichloroethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1,2,2-Tetrachloroethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1,2-Trichloroethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,1-Dichloroethene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2,3-Trichloropropane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dibromo-3-chloropropane	NA	NA	ND(0.0050) J [ND(0.0050) J]	NA
1,2-Dibromoethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloroethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloropropane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,4-Dioxane	NA	NA	ND(0.10) J [ND(0.10) J]	NA
2-Butanone	NA	NA	ND(0.0050) J [ND(0.0050) J]	NA
2-Chloro-1,3-butadiene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
2-Chloroethylvinylether	NA	NA	R [ND(0.013) J]	NA
2-Hexanone	NA	NA	ND(0.0050) [ND(0.0050)]	NA
3-Chloropropene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
4-Methyl-2-pentanone	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Acetone	NA	NA	ND(0.0050) J [ND(0.0050) J]	NA
Acetonitrile	NA	NA	ND(0.020) J [ND(0.020) J]	NA
Acrolein	NA	NA	ND(0.025) J [ND(0.025) J]	NA
Acrylonitrile	NA	NA	ND(0.025) J [ND(0.025) J]	NA
Benzene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Bromodichloromethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Bromoform	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Bromomethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Carbon Disulfide	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Carbon Tetrachloride	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chlorobenzene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloroform	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Chloromethane	NA	NA	ND(0.0010) J [ND(0.0010) J]	NA
cis-1,3-Dichloropropene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Dibromochloromethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Dibromomethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Dichlorodifluoromethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Ethyl Methacrylate	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Ethylbenzene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Iodomethane	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Isobutanol	NA	NA	ND(0.050) J [ND(0.050) J]	NA
Methacrylonitrile	NA	NA	ND(0.010) J [ND(0.010) J]	NA
Methyl Methacrylate	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Methylene Chloride	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Propionitrile	NA	NA	ND(0.020) J [ND(0.020) J]	NA
Styrene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Tetrachloroethene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Toluene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,2-Dichloroethene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,3-Dichloropropene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
trans-1,4-Dichloro-2-butene	NA	NA	ND(0.0050) J [ND(0.0050) J]	NA
Trichloroethene	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Trichlorofluoromethane	NA	NA	ND(0.0010) J [ND(0.0010) J]	NA
Vinyl Acetate	NA	NA	ND(0.0025) [ND(0.0025)]	NA
Vinyl Chloride	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Xylenes (total)	NA	NA	ND(0.0010) [ND(0.0010)]	NA
Total VOCs	NA	NA	ND(0.10) [ND(0.10)]	NA

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter	Site ID: / Sample ID: / Date Collected:	30s Complex RF-02 04/10/08	East St. Area 1 - South 139R 04/03/08	72R 04/17/08	GMA1-18 04/17/08
PCBs-Filtered					
Aroclor-1016		ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)
Aroclor-1221		ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)
Aroclor-1232		ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)
Aroclor-1242		ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)
Aroclor-1248		ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)
Aroclor-1254		ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)
Aroclor-1260		ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)
Total PCBs		ND(0.000066) J	ND(0.000066)	ND(0.000071) [ND(0.000069)]	ND(0.000068)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene		NA	NA	NA	NA
1,2,4-Trichlorobenzene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichlorobenzene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Diphenylhydrazine		NA	NA	NA	NA
1,3,5-Trinitrobenzene		NA	NA	NA	NA
1,3-Dichlorobenzene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,3-Dinitrobenzene		NA	NA	NA	NA
1,4-Dichlorobenzene		NA	NA	ND(0.0010) [ND(0.0010)]	NA
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
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

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	30s Complex	East St. Area 1 - South		
Sample ID:	RF-02	139R	72R	GMA1-18
Parameter / Date Collected:	04/10/08	04/03/08	04/17/08	04/17/08
Semivolatile Organics (continued)				
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	ND(0.00010) [ND(0.00010)]	NA
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-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
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
Semivolatile Organics (continued)				

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	30s Complex	East St. Area 1 - South		
Sample ID:	RF-02	139R	72R	GMA1-18
Parameter / Date Collected:	04/10/08	04/03/08	04/17/08	04/17/08
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	ND(0.0400) [ND(0.0400)]	NA
Arsenic	NA	NA	ND(0.0100) J [ND(0.0100) J]	NA
Barium	NA	NA	ND(0.100) [ND(0.100)]	NA
Beryllium	NA	NA	ND(0.0100) [0.00161 B]	NA
Cadmium	NA	NA	ND(0.0100) [ND(0.0100)]	NA
Chromium	NA	NA	ND(0.0100) J [ND(0.0100) J]	NA
Cobalt	NA	NA	ND(0.0100) [ND(0.0100)]	NA
Copper	NA	NA	ND(0.0100) J [ND(0.0100) J]	NA
Cyanide-MADEP (PAC)	NA	NA	ND(0.00600) [ND(0.00600)]	NA
Lead	NA	NA	ND(0.0100) J [ND(0.0100) J]	NA
Mercury	NA	NA	ND(0.000285) [ND(0.000285)]	NA
Nickel	NA	NA	ND(0.0100) J [ND(0.0100) J]	NA
Selenium	NA	NA	ND(0.0200) [ND(0.0200)]	NA
Silver	NA	NA	ND(0.0100) J [ND(0.0100) J]	NA
Thallium	NA	NA	0.00961 J [0.0166 J]	NA
Tin	NA	NA	ND(0.0100) J [ND(0.0100) J]	NA
Vanadium	NA	NA	ND(0.0500) [ND(0.0500)]	NA
Zinc	NA	NA	ND(0.0200) [ND(0.0200)]	NA

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
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:	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter Date Collected:	04/17/08	04/11/08	04/10/08	04/11/08
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0010)	NA	NA	ND(0.0010)
1,1,1-Trichloroethane	ND(0.0010)	NA	NA	0.0042
1,1,2,2-Tetrachloroethane	ND(0.0010)	NA	NA	ND(0.0010)
1,1,2-Trichloroethane	ND(0.0010)	NA	NA	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	NA	NA	0.0054
1,1-Dichloroethene	ND(0.0010)	NA	NA	0.00023 J
1,2,3-Trichloropropane	ND(0.0010)	NA	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane	ND(0.0050) J	NA	NA	ND(0.0050) J
1,2-Dibromoethane	ND(0.0010)	NA	NA	ND(0.0010)
1,2-Dichloroethane	ND(0.0010)	NA	NA	ND(0.0010)
1,2-Dichloropropane	ND(0.0010)	NA	NA	ND(0.0010)
1,4-Dioxane	ND(0.10) J	NA	NA	ND(0.10) J
2-Butanone	ND(0.0050) J	NA	NA	ND(0.0050) J
2-Chloro-1,3-butadiene	ND(0.0010)	NA	NA	ND(0.0010)
2-Chloroethylvinylether	ND(0.013) J	NA	NA	ND(0.013) J
2-Hexanone	ND(0.0050)	NA	NA	ND(0.0050)
3-Chloropropene	ND(0.0010)	NA	NA	ND(0.0010)
4-Methyl-2-pentanone	ND(0.0050)	NA	NA	ND(0.0050)
Acetone	ND(0.0050) J	NA	NA	ND(0.0050) J
Acetonitrile	ND(0.020) J	NA	NA	ND(0.020) J
Acrolein	ND(0.025) J	NA	NA	ND(0.025) J
Acrylonitrile	ND(0.025) J	NA	NA	ND(0.025) J
Benzene	ND(0.0010)	NA	NA	0.00082 J
Bromodichloromethane	ND(0.0010)	NA	NA	ND(0.0010)
Bromoform	ND(0.0010)	NA	NA	ND(0.0010)
Bromomethane	ND(0.0010)	NA	NA	ND(0.0010)
Carbon Disulfide	ND(0.0010)	NA	NA	ND(0.0010)
Carbon Tetrachloride	ND(0.0010)	NA	NA	ND(0.0010)
Chlorobenzene	ND(0.0010)	NA	NA	ND(0.0010)
Chloroethane	ND(0.0010)	NA	NA	ND(0.0010)
Chloroform	ND(0.0010)	NA	NA	0.00064 J
Chloromethane	ND(0.0010) J	NA	NA	ND(0.0010)
cis-1,3-Dichloropropene	ND(0.0010)	NA	NA	ND(0.0010)
Dibromochloromethane	ND(0.0010)	NA	NA	ND(0.0010)
Dibromomethane	ND(0.0010)	NA	NA	ND(0.0010)
Dichlorodifluoromethane	ND(0.0010)	NA	NA	ND(0.0010)
Ethyl Methacrylate	ND(0.0010)	NA	NA	ND(0.0010)
Ethylbenzene	ND(0.0010)	NA	NA	ND(0.0010)
Iodomethane	ND(0.0010)	NA	NA	ND(0.0010)
Isobutanol	ND(0.050) J	NA	NA	ND(0.050) J
Methacrylonitrile	ND(0.010) J	NA	NA	ND(0.010) J
Methyl Methacrylate	ND(0.0010)	NA	NA	ND(0.0010)
Methylene Chloride	ND(0.0050)	NA	NA	ND(0.0050)
Propionitrile	ND(0.020) J	NA	NA	ND(0.020) J
Styrene	ND(0.0010)	NA	NA	ND(0.0010)
Tetrachloroethene	ND(0.0010)	NA	NA	0.00031 J
Toluene	ND(0.0010)	NA	NA	0.00047 J
trans-1,2-Dichloroethene	ND(0.0010)	NA	NA	0.00069 J
trans-1,3-Dichloropropene	ND(0.0010)	NA	NA	ND(0.0010)
trans-1,4-Dichloro-2-butene	ND(0.0050) J	NA	NA	ND(0.0050) J
Trichloroethene	ND(0.0010)	NA	NA	0.0015
Trichlorofluoromethane	ND(0.0010) J	NA	NA	ND(0.0010)
Vinyl Acetate	ND(0.0025)	NA	NA	ND(0.0025)
Vinyl Chloride	ND(0.0010)	NA	NA	0.0017
Xylenes (total)	ND(0.0010)	NA	NA	ND(0.0010)
Total VOCs	ND(0.10)	NA	NA	0.016 J

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
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:	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter / Date Collected:	04/17/08	04/11/08	04/10/08	04/11/08
PCBs-Filtered				
Aroclor-1016	ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA
Aroclor-1221	ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA
Aroclor-1232	ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA
Aroclor-1242	ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA
Aroclor-1248	ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA
Aroclor-1254	ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA
Aroclor-1260	ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA
Total PCBs	ND(0.000068) J	ND(0.000071) J	ND(0.000068)	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.0010)	NA	NA	NA
1,2-Dichlorobenzene	ND(0.0010)	NA	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	NA	NA
1,3-Dichlorobenzene	ND(0.0010)	NA	NA	NA
1,3-Dinitrobenzene	NA	NA	NA	NA
1,4-Dichlorobenzene	0.00081 J	NA	NA	NA
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
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

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
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:	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter / Date Collected:	04/17/08	04/11/08	04/10/08	04/11/08
Semivolatile Organics (continued)				
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	ND(0.00010)	NA	NA	NA
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-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
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
Semivolatile Organics (continued)				

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
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:	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter / Date Collected:	04/17/08	04/11/08	04/10/08	04/11/08
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	NA
Arsenic	NA	NA	NA	NA
Barium	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA
Chromium	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA
Copper	NA	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA
Lead	NA	NA	NA	NA
Mercury	NA	NA	NA	NA
Nickel	NA	NA	NA	NA
Selenium	NA	NA	NA	NA
Silver	NA	NA	NA	NA
Thallium	NA	NA	NA	NA
Tin	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA
Zinc	NA	NA	NA	NA

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
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
Parameter / Date Collected:	04/03/08	04/18/08	04/10/08	04/18/08
Volatile Organics				
1,1,1,2-Tetrachloroethane	NA	NA	ND(0.0010)	ND(0.010)
1,1,1-Trichloroethane	NA	NA	ND(0.0010)	ND(0.010)
1,1,2,2-Tetrachloroethane	NA	NA	ND(0.0010)	ND(0.010)
1,1,2-Trichloroethane	NA	NA	ND(0.0010)	ND(0.010)
1,1-Dichloroethane	NA	NA	0.00015 J	0.014
1,1-Dichloroethene	NA	NA	ND(0.0010)	ND(0.010)
1,2,3-Trichloropropane	NA	NA	ND(0.0010)	ND(0.010)
1,2-Dibromo-3-chloropropane	NA	NA	ND(0.0050) J	ND(0.050) J
1,2-Dibromoethane	NA	NA	ND(0.0010)	ND(0.010)
1,2-Dichloroethane	NA	NA	0.00098 J	ND(0.010)
1,2-Dichloropropane	NA	NA	ND(0.0010)	ND(0.010)
1,4-Dioxane	NA	NA	ND(0.10) J	ND(1.0) J
2-Butanone	NA	NA	ND(0.0050) J	ND(0.050) J
2-Chloro-1,3-butadiene	NA	NA	ND(0.0010)	ND(0.010)
2-Chloroethylvinylether	NA	NA	ND(0.013) J	ND(0.13) J
2-Hexanone	NA	NA	ND(0.0050) J	ND(0.050)
3-Chloropropene	NA	NA	ND(0.0010)	ND(0.010)
4-Methyl-2-pentanone	NA	NA	ND(0.0050)	ND(0.050)
Acetone	NA	NA	ND(0.0050) J	ND(0.050) J
Acetonitrile	NA	NA	ND(0.020) J	ND(0.20) J
Acrolein	NA	NA	ND(0.025) J	ND(0.25) J
Acrylonitrile	NA	NA	ND(0.025) J	ND(0.25) J
Benzene	NA	NA	0.023	0.0036 J
Bromodichloromethane	NA	NA	ND(0.0010)	ND(0.010)
Bromoform	NA	NA	ND(0.0010)	ND(0.010)
Bromomethane	NA	NA	ND(0.0010)	ND(0.010) J
Carbon Disulfide	NA	NA	ND(0.0010)	ND(0.010)
Carbon Tetrachloride	NA	NA	ND(0.0010)	ND(0.010)
Chlorobenzene	NA	NA	ND(0.0010)	0.14
Chloroethane	NA	NA	0.0034	ND(0.010) J
Chloroform	NA	NA	ND(0.0010)	ND(0.010)
Chloromethane	NA	NA	ND(0.0010)	ND(0.010)
cis-1,3-Dichloropropene	NA	NA	ND(0.0010)	ND(0.010)
Dibromochloromethane	NA	NA	ND(0.0010)	ND(0.010)
Dibromomethane	NA	NA	ND(0.0010)	ND(0.010)
Dichlorodifluoromethane	NA	NA	ND(0.0010)	ND(0.010)
Ethyl Methacrylate	NA	NA	ND(0.0010)	ND(0.010)
Ethylbenzene	NA	NA	0.0054	0.013
Iodomethane	NA	NA	ND(0.0010)	ND(0.010)
Isobutanol	NA	NA	ND(0.050) J	ND(0.50) J
Methacrylonitrile	NA	NA	ND(0.010) J	ND(0.10)
Methyl Methacrylate	NA	NA	ND(0.0010)	ND(0.010)
Methylene Chloride	NA	NA	ND(0.0050)	0.0056 J
Propionitrile	NA	NA	ND(0.020) J	ND(0.20) J
Styrene	NA	NA	ND(0.0010)	ND(0.010)
Tetrachloroethene	NA	NA	ND(0.0010)	ND(0.010)
Toluene	NA	NA	0.00045 J	0.0017 J
trans-1,2-Dichloroethene	NA	NA	0.00024 J	ND(0.010)
trans-1,3-Dichloropropene	NA	NA	ND(0.0010)	ND(0.010)
trans-1,4-Dichloro-2-butene	NA	NA	ND(0.0050) J	ND(0.050) J
Trichloroethene	NA	NA	ND(0.0010)	ND(0.010)
Trichlorofluoromethane	NA	NA	ND(0.0010)	ND(0.010)
Vinyl Acetate	NA	NA	ND(0.0025)	ND(0.025)
Vinyl Chloride	NA	NA	ND(0.0010)	ND(0.010)
Xylenes (total)	NA	NA	0.0031	0.030
Total VOCs	NA	NA	0.037 J	0.21 J

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
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
Parameter / Date Collected:	04/03/08	04/18/08	04/10/08	04/18/08
PCBs-Filtered				
Aroclor-1016	ND(0.000067)	ND(0.000069)	NA	NA
Aroclor-1221	ND(0.000067)	ND(0.000069)	NA	NA
Aroclor-1232	ND(0.000067)	ND(0.000069)	NA	NA
Aroclor-1242	ND(0.000067)	ND(0.000069)	NA	NA
Aroclor-1248	ND(0.000067)	ND(0.000069)	NA	NA
Aroclor-1254	ND(0.000067)	ND(0.000069)	NA	NA
Aroclor-1260	ND(0.000067)	ND(0.000069)	NA	NA
Total PCBs	ND(0.000067)	ND(0.000069)	NA	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA
1,3-Dinitrobenzene	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA
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
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

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
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
Parameter Date Collected:	04/03/08	04/18/08	04/10/08	04/18/08
Semivolatile Organics (continued)				
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	NA
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-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
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
Semivolatile Organics (continued)				

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
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
Parameter Date Collected:	04/03/08	04/18/08	04/10/08	04/18/08
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	NA
Arsenic	NA	NA	NA	NA
Barium	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA
Chromium	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA
Copper	NA	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA
Lead	NA	NA	NA	NA
Mercury	NA	NA	NA	NA
Nickel	NA	NA	NA	NA
Selenium	NA	NA	NA	NA
Silver	NA	NA	NA	NA
Thallium	NA	NA	NA	NA
Tin	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA
Zinc	NA	NA	NA	NA

Table B-1
Spring 2008 Groundwater Analytical Results

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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:	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R	LSSC-08S
Parameter / Date Collected:	04/07/08	04/10/08	04/08/08	04/08/08	04/08/08
Volatile Organics					
1,1,1,2-Tetrachloroethane	NA	NA	NA	ND(0.0010)	NA
1,1,1-Trichloroethane	NA	NA	NA	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	ND(0.0010)	NA
1,1,2-Trichloroethane	NA	NA	NA	ND(0.0010)	NA
1,1-Dichloroethane	NA	NA	NA	ND(0.0010)	NA
1,1-Dichloroethene	NA	NA	NA	ND(0.0010)	NA
1,2,3-Trichloropropane	NA	NA	NA	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane	NA	NA	NA	ND(0.0050) J	NA
1,2-Dibromoethane	NA	NA	NA	ND(0.0010)	NA
1,2-Dichloroethane	NA	NA	NA	ND(0.0010)	NA
1,2-Dichloropropane	NA	NA	NA	ND(0.0010)	NA
1,4-Dioxane	NA	NA	NA	ND(0.10) J	NA
2-Butanone	NA	NA	NA	ND(0.0050) J	NA
2-Chloro-1,3-butadiene	NA	NA	NA	ND(0.0010)	NA
2-Chloroethylvinylether	NA	NA	NA	ND(0.013) J	NA
2-Hexanone	NA	NA	NA	ND(0.0050)	NA
3-Chloropropene	NA	NA	NA	ND(0.0010)	NA
4-Methyl-2-pentanone	NA	NA	NA	ND(0.0050)	NA
Acetone	NA	NA	NA	ND(0.0050) J	NA
Acetonitrile	NA	NA	NA	ND(0.020) J	NA
Acrolein	NA	NA	NA	ND(0.025) J	NA
Acrylonitrile	NA	NA	NA	ND(0.025) J	NA
Benzene	NA	NA	NA	0.0042	NA
Bromodichloromethane	NA	NA	NA	ND(0.0010)	NA
Bromoform	NA	NA	NA	ND(0.0010)	NA
Bromomethane	NA	NA	NA	ND(0.0010) J	NA
Carbon Disulfide	NA	NA	NA	ND(0.0010)	NA
Carbon Tetrachloride	NA	NA	NA	ND(0.0010)	NA
Chlorobenzene	NA	NA	NA	ND(0.0010)	NA
Chloroethane	NA	NA	NA	ND(0.0010) J	NA
Chloroform	NA	NA	NA	ND(0.0010)	NA
Chloromethane	NA	NA	NA	0.0036	NA
cis-1,3-Dichloropropene	NA	NA	NA	ND(0.0010)	NA
Dibromochloromethane	NA	NA	NA	ND(0.0010)	NA
Dibromomethane	NA	NA	NA	ND(0.0010)	NA
Dichlorodifluoromethane	NA	NA	NA	ND(0.0010)	NA
Ethyl Methacrylate	NA	NA	NA	ND(0.0010)	NA
Ethylbenzene	NA	NA	NA	ND(0.0010)	NA
Iodomethane	NA	NA	NA	ND(0.0010)	NA
Isobutanol	NA	NA	NA	ND(0.050) J	NA
Methacrylonitrile	NA	NA	NA	ND(0.010)	NA
Methyl Methacrylate	NA	NA	NA	ND(0.0010)	NA
Methylene Chloride	NA	NA	NA	ND(0.0050)	NA
Propionitrile	NA	NA	NA	ND(0.020) J	NA
Styrene	NA	NA	NA	ND(0.0010)	NA
Tetrachloroethene	NA	NA	NA	ND(0.0010)	NA
Toluene	NA	NA	NA	ND(0.0010)	NA
trans-1,2-Dichloroethene	NA	NA	NA	ND(0.0010)	NA
trans-1,3-Dichloropropene	NA	NA	NA	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene	NA	NA	NA	ND(0.0050) J	NA
Trichloroethene	NA	NA	NA	ND(0.0010)	NA
Trichlorofluoromethane	NA	NA	NA	ND(0.0010)	NA
Vinyl Acetate	NA	NA	NA	ND(0.0025)	NA
Vinyl Chloride	NA	NA	NA	0.00054 J	NA
Xylenes (total)	NA	NA	NA	ND(0.0010)	NA
Total VOCs	NA	NA	NA	0.0083 J	NA

Table B-1
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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:	East St. Area 2 - South		Lyman Street Area		
Sample ID:	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R	LSSC-08S
Parameter Date Collected:	04/07/08	04/10/08	04/08/08	04/08/08	04/08/08
PCBs-Filtered					
Aroclor-1016	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1221	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1232	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1242	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1248	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1254	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Aroclor-1260	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Total PCBs	ND(0.000070)	ND(0.000068) J	ND(0.000069)	NA	ND(0.000067)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA
1,3-Dinitrobenzene	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	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
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

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(Results are presented in parts per million, ppm)

Site ID:	East St. Area 2 - South		Lyman Street Area		
Sample ID:	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R	LSSC-08S
Parameter Date Collected:	04/07/08	04/10/08	04/08/08	04/08/08	04/08/08
Semivolatile Organics (continued)					
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	NA	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-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
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
Semivolatile Organics (continued)					

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Site ID:	East St. Area 2 - South		Lyman Street Area		
Sample ID:	GMA1-13	HR-G3-MW-1	LS-29	LS-MW-4R	LSSC-08S
Parameter / Date Collected:	04/07/08	04/10/08	04/08/08	04/08/08	04/08/08
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

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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		Newell St. Area II		
Sample ID:	LSSC-16S	LSSC-18	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	04/08/08	04/08/08	04/09/08	04/09/08	04/09/08
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,1,1-Trichloroethane	0.00016 J	NA	ND(0.0010)	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,1,2-Trichloroethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,1-Dichloroethene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,2,3-Trichloropropane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane	ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J	NA
1,2-Dibromoethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloroethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,2-Dichloropropane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
1,4-Dioxane	ND(0.10) J	NA	ND(0.10) J	ND(0.10) J	NA
2-Butanone	ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J	NA
2-Chloro-1,3-butadiene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
2-Chloroethylvinylether	ND(0.013) J	NA	ND(0.013) J	ND(0.013) J	NA
2-Hexanone	ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J	NA
3-Chloropropene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
4-Methyl-2-pentanone	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	NA
Acetone	ND(0.0050) J	NA	ND(0.0050)	ND(0.0050) J	NA
Acetonitrile	ND(0.020) J	NA	ND(0.020) J	ND(0.020) J	NA
Acrolein	ND(0.025) J	NA	ND(0.025) J	ND(0.025) J	NA
Acrylonitrile	ND(0.025) J	NA	ND(0.025) J	ND(0.025) J	NA
Benzene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Bromodichloromethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Bromoform	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Bromomethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Carbon Disulfide	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Carbon Tetrachloride	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Chlorobenzene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Chloroethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Chloroform	0.00048 J	NA	ND(0.0010)	ND(0.0010)	NA
Chloromethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
cis-1,3-Dichloropropene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Dibromochloromethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Dibromomethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Dichlorodifluoromethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Ethyl Methacrylate	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Ethylbenzene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Iodomethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Isobutanol	ND(0.050) J	NA	ND(0.050) J	ND(0.050) J	NA
Methacrylonitrile	ND(0.010) J	NA	ND(0.010) J	ND(0.010) J	NA
Methyl Methacrylate	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Methylene Chloride	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)	NA
Propionitrile	ND(0.020) J	NA	ND(0.020) J	ND(0.020) J	NA
Styrene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Tetrachloroethene	0.0080	NA	ND(0.0010)	ND(0.0010)	NA
Toluene	ND(0.0010)	NA	0.00017 J	ND(0.0010)	NA
trans-1,2-Dichloroethene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
trans-1,3-Dichloropropene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene	ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J	NA
Trichloroethene	0.0011	NA	ND(0.0010)	ND(0.0010)	NA
Trichlorofluoromethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Vinyl Acetate	ND(0.0025)	NA	ND(0.0025)	ND(0.0025)	NA
Vinyl Chloride	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Xylenes (total)	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)	NA
Total VOCs	0.0097 J	NA	0.00017 J	ND(0.10)	NA

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General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Lyman Street Area		Newell St. Area II		
Sample ID:	LSSC-16S	LSSC-18	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	04/08/08	04/08/08	04/09/08	04/09/08	04/09/08
PCBs-Filtered					
Aroclor-1016	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1221	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1232	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1242	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1248	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1254	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Aroclor-1260	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Total PCBs	NA	ND(0.000069)	ND(0.000066)	ND(0.000069)	ND(0.000067) J
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,2,4-Trichlorobenzene	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,2-Dichlorobenzene	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,2-Diphenylhydrazine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,3,5-Trinitrobenzene	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
1,3-Dichlorobenzene	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,3-Dinitrobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,4-Dichlorobenzene	ND(0.0010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1,4-Naphthoquinone	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
1-Naphthylamine	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
2,3,4,6-Tetrachlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4,5-Trichlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4,6-Trichlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4-Dichlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4-Dimethylphenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,4-Dinitrophenol	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
2,4-Dinitrotoluene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,6-Dichlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2,6-Dinitrotoluene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2-Acetylaminofluorene	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Chloronaphthalene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2-Chlorophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2-Methylnaphthalene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2-Methylphenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2-Naphthylamine	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
2-Nitroaniline	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2-Nitrophenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
2-Picoline	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
3&4-Methylphenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
3,3'-Dichlorobenzidine	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA
3,3'-Dimethylbenzidine	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
3-Methylcholanthrene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
3-Nitroaniline	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4,6-Dinitro-2-methylphenol	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Aminobiphenyl	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Bromophenyl-phenylether	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Chloro-3-Methylphenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Chloroaniline	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Chlorobenzilate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Chlorophenyl-phenylether	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
4-Nitroaniline	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Nitrophenol	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Nitroquinoline-1-oxide	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
4-Phenylenediamine	NA	NA	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
5-Nitro-o-toluidine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
7,12-Dimethylbenz(a)anthracene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
a,a'-Dimethylphenethylamine	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
Acenaphthene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Lyman Street Area		Newell St. Area II		
Sample ID:	LSSC-16S	LSSC-18	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	04/08/08	04/08/08	04/09/08	04/09/08	04/09/08
Semivolatile Organics (continued)					
Acenaphthylene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Acetophenone	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Aniline	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Anthracene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Aramite	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Benzidine	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(a)anthracene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Benzo(a)pyrene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Benzo(b)fluoranthene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Benzo(g,h,i)perylene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Benzo(k)fluoranthene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Benzyl Alcohol	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA
bis(2-Chloroethoxy)methane	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
bis(2-Chloroethyl)ether	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
bis(2-Chloroisopropyl)ether	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Butylbenzylphthalate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Chrysene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Diallate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Dibenzo(a,h)anthracene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Dibenzofuran	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Diethylphthalate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Dimethylphthalate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Di-n-Butylphthalate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Di-n-Octylphthalate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Diphenylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Ethyl Methanesulfonate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Fluoranthene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Fluorene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Hexachlorobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Hexachlorobutadiene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Hexachlorocyclopentadiene	NA	NA	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
Hexachloroethane	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Hexachlorophene	NA	NA	ND(0.0050) J [ND(0.0050) J]	ND(0.0052) J	NA
Hexachloropropene	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Indeno(1,2,3-cd)pyrene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Isodrin	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Isophorone	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Isosafrole	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Methapyrilene	NA	NA	ND(0.0050) J [ND(0.0050) J]	ND(0.0052) J	NA
Methyl Methanesulfonate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Naphthalene	ND(0.00010)	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Nitrobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosodiethylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosodimethylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitroso-di-n-butylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitroso-di-n-propylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosomethylethylamine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosomorpholine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosopiperidine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
N-Nitrosopyrrolidine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
o,o,o-Triethylphosphorothioate	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
o-Toluidine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
p-Dimethylaminoazobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Pentachlorobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Pentachloroethane	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Pentachloronitrobenzene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Pentachlorophenol	NA	NA	ND(0.025) [ND(0.025)]	ND(0.026)	NA
Phenacetin	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Phenanthrene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Phenol	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Semivolatile Organics (continued)					

Table B-1
Spring 2008 Groundwater Analytical Results

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report for Spring 2008
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Site ID:	Lyman Street Area		Newell St. Area II		
Sample ID:	LSSC-16S	LSSC-18	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	04/08/08	04/08/08	04/09/08	04/09/08	04/09/08
Pronamide	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Pyrene	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Pyridine	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052) J	NA
Safrole	NA	NA	ND(0.0050) [ND(0.0050)]	ND(0.0052)	NA
Thionazin	NA	NA	ND(0.010) [ND(0.010)]	ND(0.010)	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

Notes:

1. Samples were collected by ARCADIS and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), volatiles, semivolatiles and metals (filtered).
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS (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

Table C-1
Summary Of Historical Groundwater Analytical Results For Chlorobenzene And 1,4-Dichlorobenzene - Well 3-6C-EB-14

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Chlorobenzene	1	10	5/6	0.28	1.4	0.535	0.590	0.188	0.480
Semivolatile Organics									
1,4-Dichlorobenzene	8	80	5/5	0.65	5.8	3.20	3.23	2.55	2.02

Notes:

1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-2
Summary Of Historical Groundwater Analytical Results For Total PCBs And WHO TEFs And Lead - Well E2SC-23

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
PCBs-Unfiltered									
Total PCBs	Not Applicable	0.1	4/4	0.00313	0.84	0.00865	0.215	0.0186	0.417
PCBs-Filtered									
Total PCBs	0.01	0.1	8/9	0.000044	0.0103	0.00130	0.00206	0.000643	0.00314
Dioxins									
Total TEQs (WHO TEFs)	1.00E-07	1.00E-06	4/4	4.10E-11	1.00E-06	4.35E-09	2.52E-07	5.23E-09	4.99E-07
Inorganics-Filtered									
Lead	0.01	0.15	1/4	0.015	0.015	0.00200	0.00513	0.00303	0.00660

Notes:

1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-3
Summary Of Historical Groundwater Analytical Results For Chlorobenzene - Well ES2-2A

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Chlorobenzene	1	10	5/6	0.13	2.1	1.15	1.04	0.259	0.841

Notes:

1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-4
Summary Of Historical Groundwater Analytical Results For Chlorobenzene - Well ESA2S-52

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Chlorobenzene	1	10	4/4	4.4	7.7	6.10	6.08	5.93	1.53

Notes:

1. Samples were collected by ARCADIS between 2001 and 2003 and submitted to SGS Environmental Services, Inc. for analysis.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-5
Summary Of Historical Groundwater Analytical Results For Chlorobenzene - Well ESA2S-64

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Chlorobenzene	1	10	6/6	0.14	0.73	0.495	0.470	0.407	0.237

Notes:

1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-6
Summary Of Historical Groundwater Analytical Results For Chlorobenzene - Well HR-G3-MW-1

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
Volatile Organics									
Chlorobenzene	1	10	4/4	0.89	2.2	1.60	1.57	1.49	0.542

Notes:

1. Samples were collected by ARCADIS between 2001 and 2008 and submitted to SGS Environmental Services, Inc. for analysis.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-7
Summary Of Historical Groundwater Analytical Results For Total PCBs - Well LSSC-08I

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Sample ID: Parameter Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
PCBs-Unfiltered									
Total PCBs	Not Applicable	0.1	1/1	0.29	0.29	0.290	0.290	0.290	NA
PCBs-Filtered									
Total PCBs	0.01	0.1	1/1	0.005	0.005	0.00500	0.00500	0.00500	NA

Notes:

1. Sample was collected by ARCADIS in 2003and submitted to SGS Environmental Services, Inc. for analysis.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

Table C-8
Summary Of Historical Groundwater Analytical Results For Total PCBs - Well LSSC-18

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Spring 2008
General Electric Company - Pittsfield, Massachusetts

Parameter / Sample ID: Date Collected:	Method 1 GW-3 Standards	MCP UCL for GroundWater	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Arithmetic Average	Geometric Mean	Standard Deviation
PCBs-Filtered									
Total PCBs	0.01	0.1	6/11	0.000051	0.0062	0.0000770	0.000710	0.000133	0.00183

Notes:

1. Sample s were collected by ARCADIS between 2001and 2008 and submitted to SGS Environmental Services, Inc. and Northeast Analytical, Inc. for analysis.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. All constituents where a sample concentration greater than 50% of an applicable groundwater quality standard was observed at the listed monitoring well during one or more baseline sampling event are summarized

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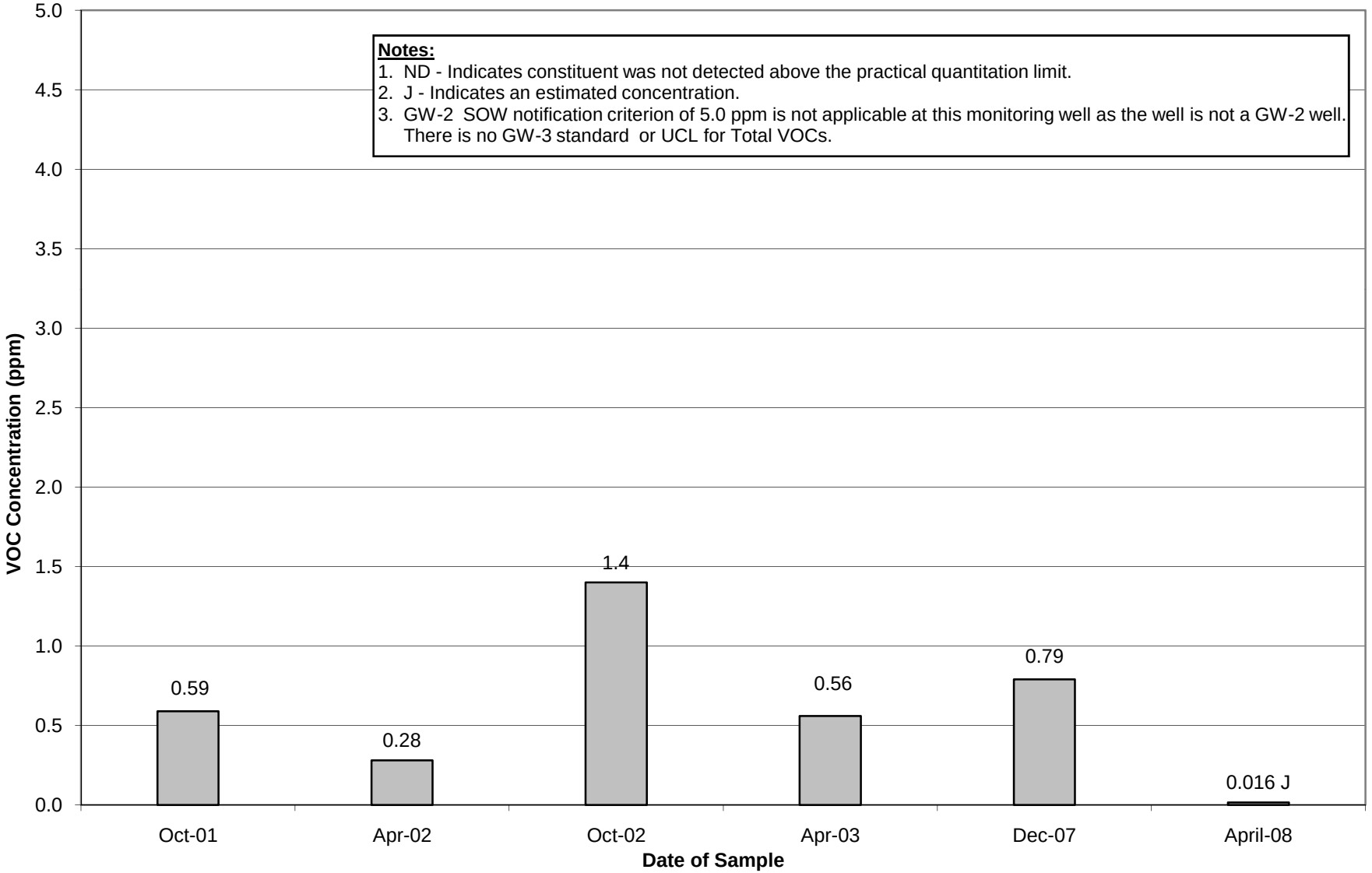
Historical Groundwater Data

Total VOC Concentrations –
Wells Sampled in Spring 2008

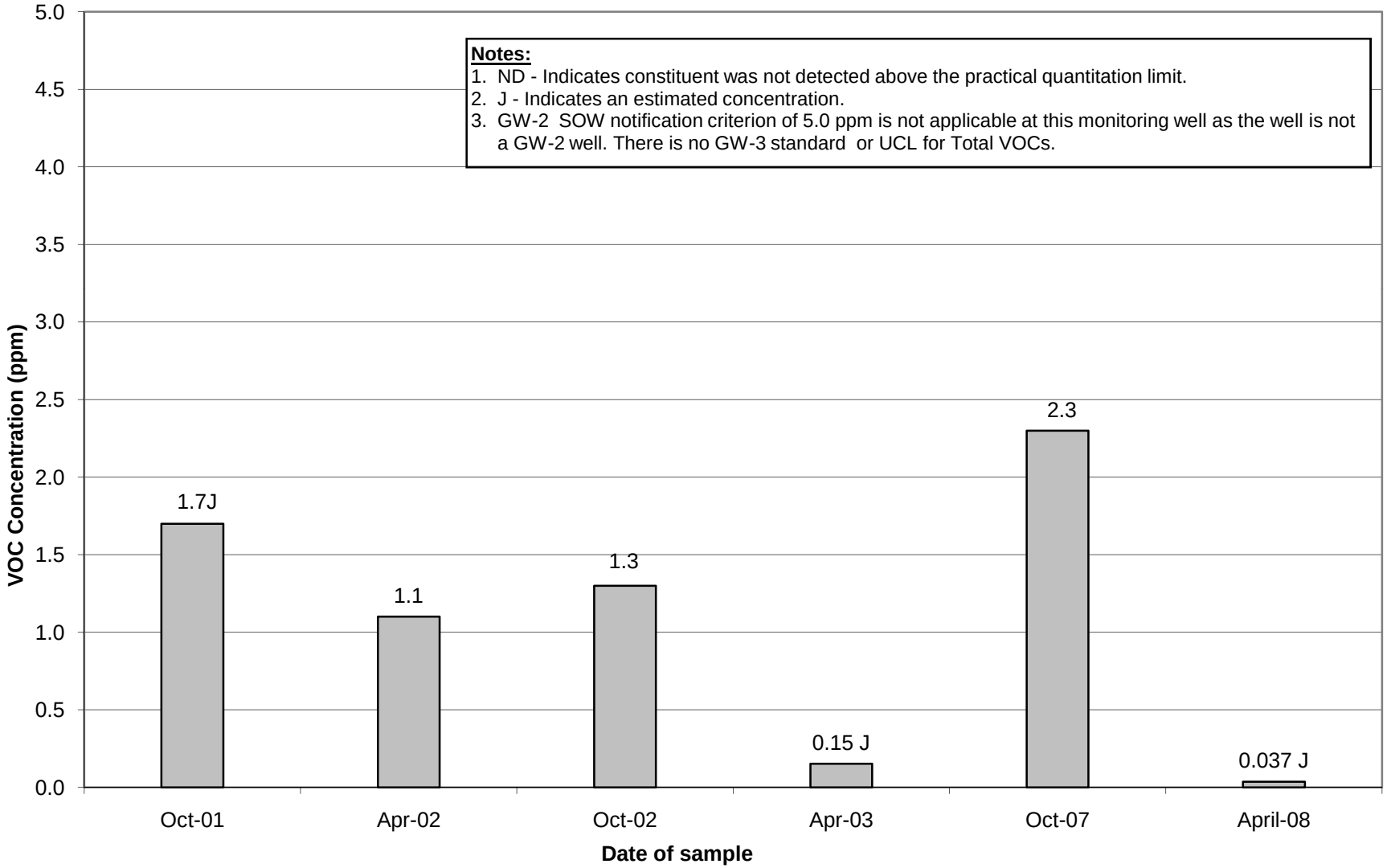
Appendix C
Well 3-6C-EB-14 Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



Appendix C
Well ES2-02A Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



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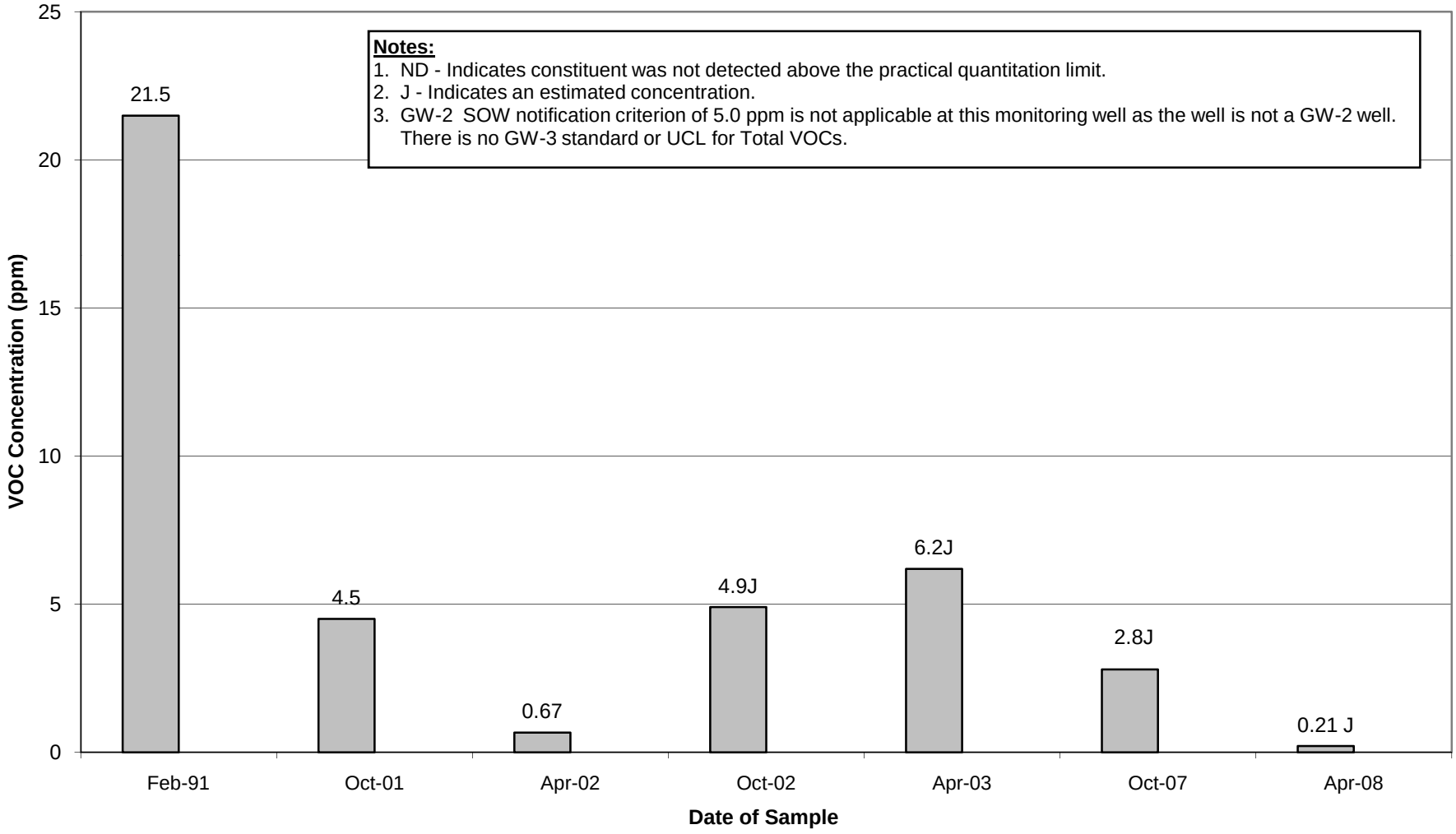
281811324AppxC_VOC.xls - ES2-02A

7/30/2008

Appendix C
Well ESA2S-64 Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



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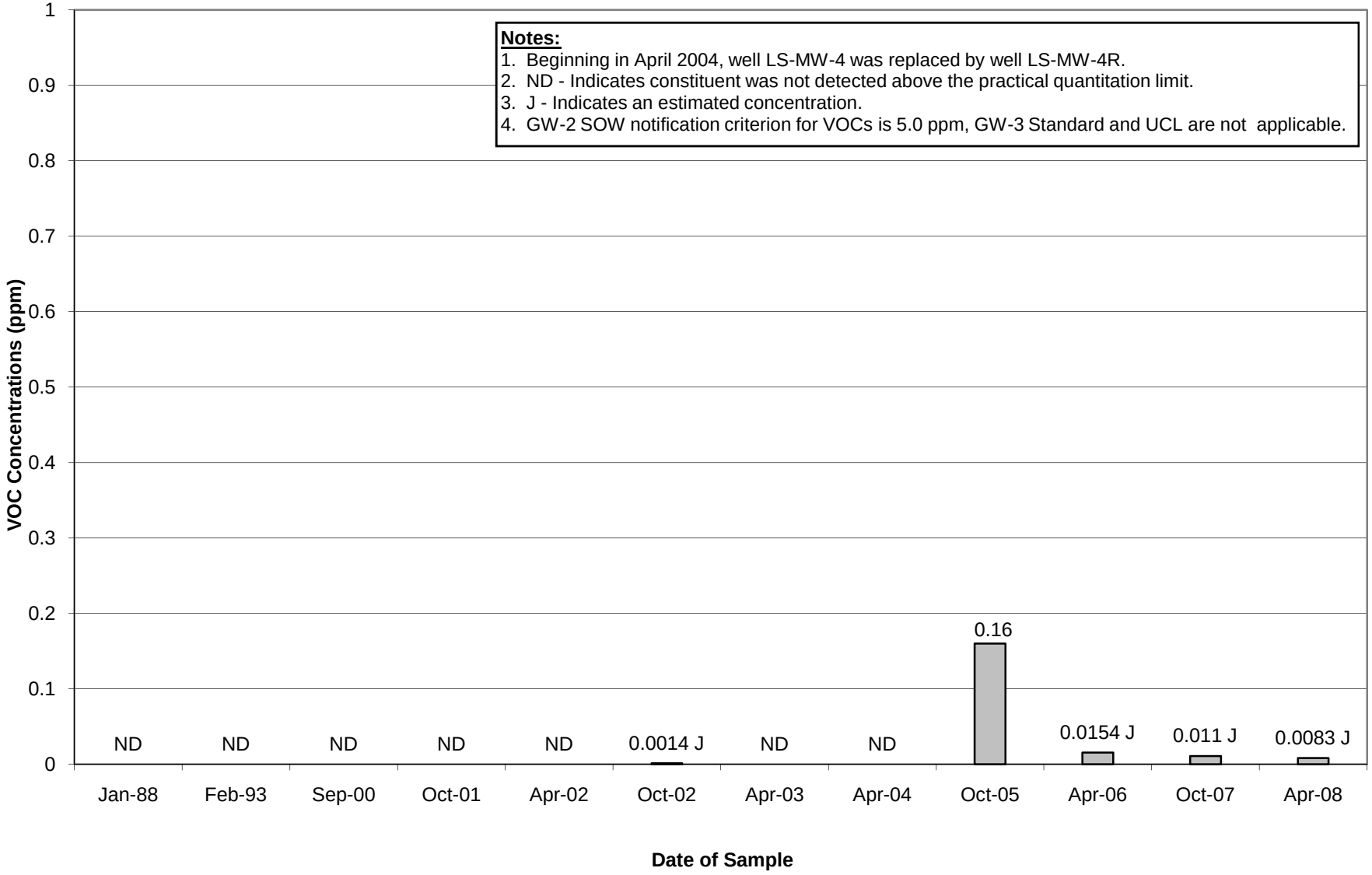
281811324AppxC_VOC.xls - ESA2S-64

7/30/2008

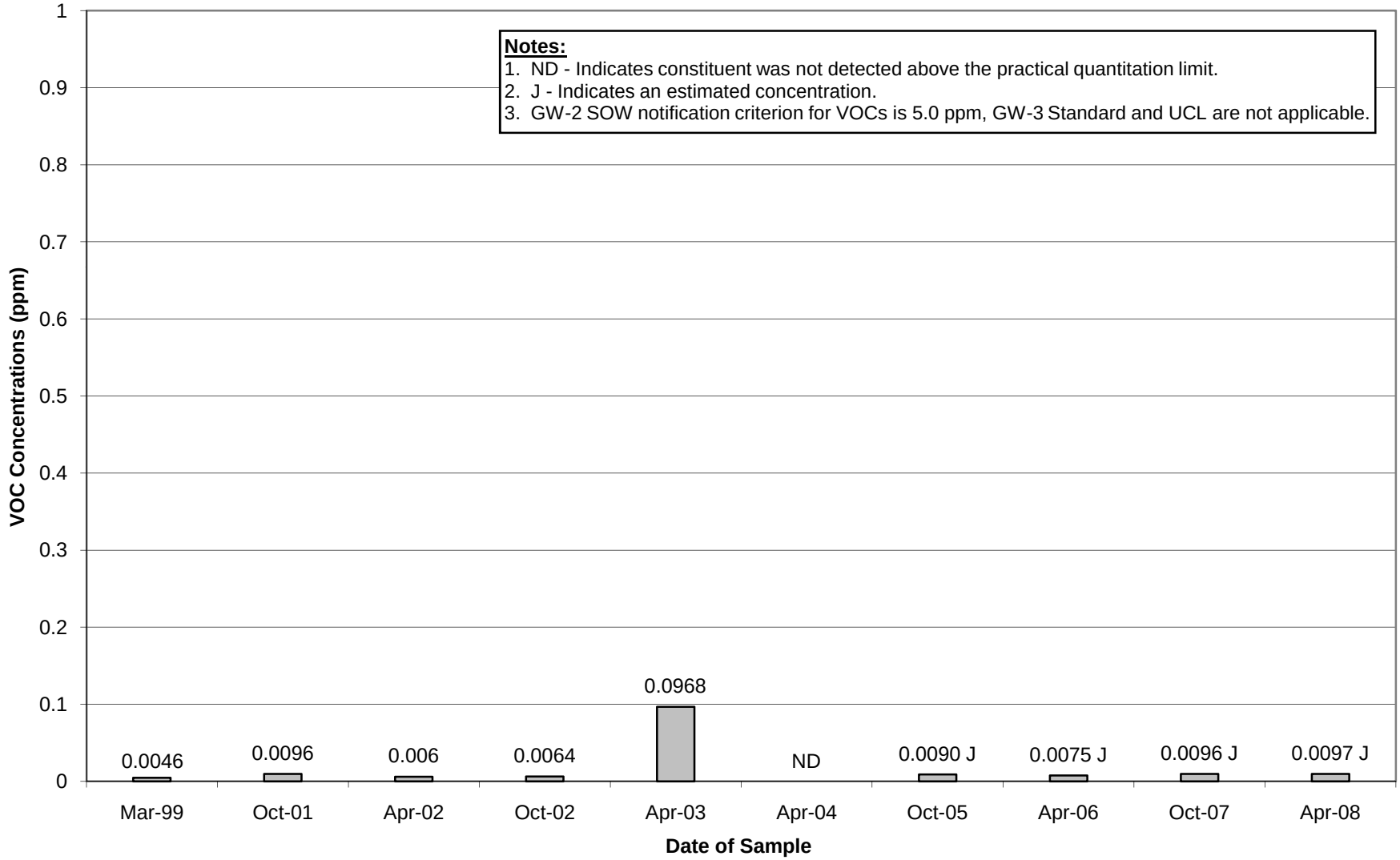
Appendix C
Well LS-MW-4 & LS-MW-4R Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



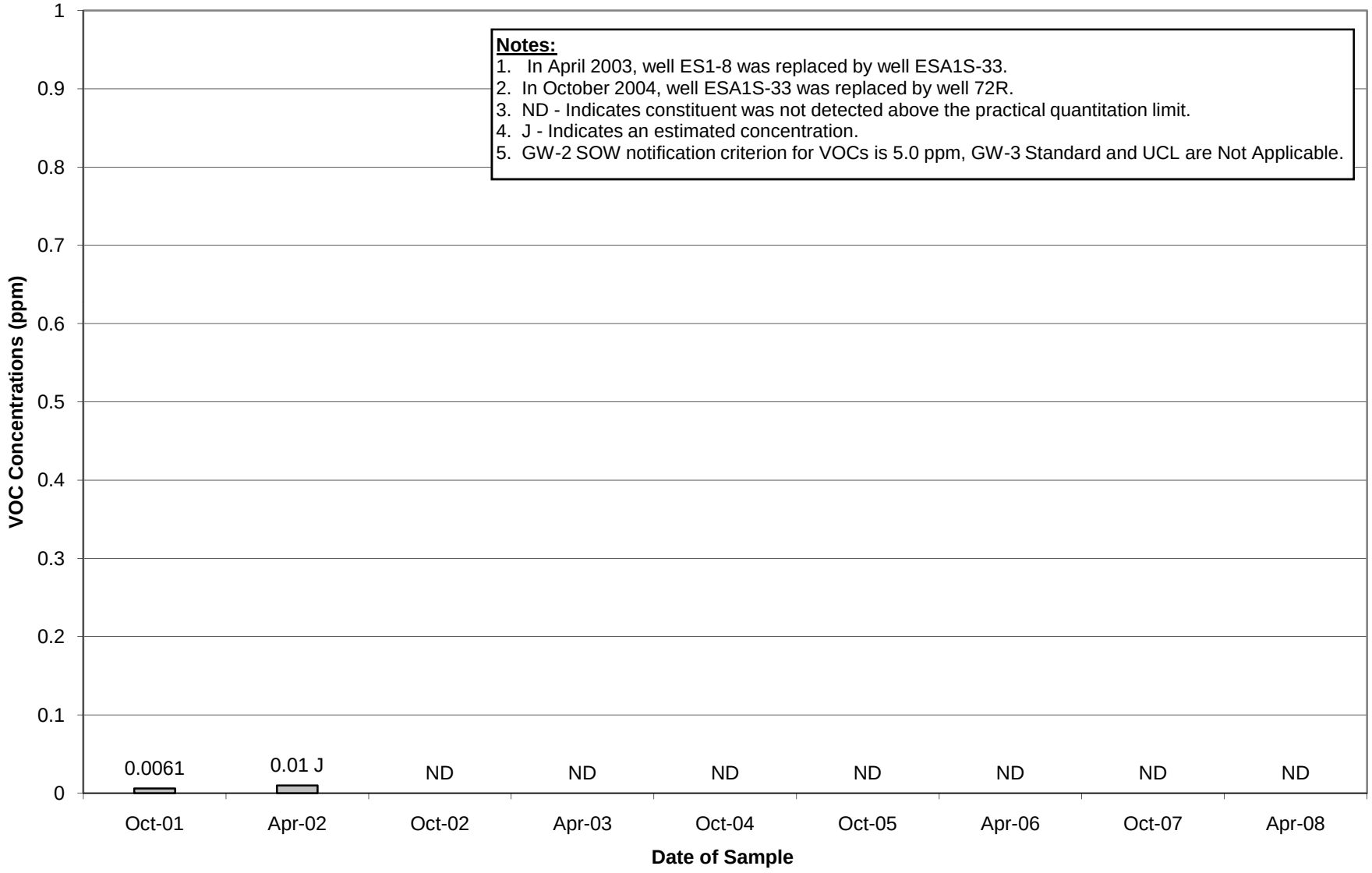
Appendix C
Well LSSC-16S Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



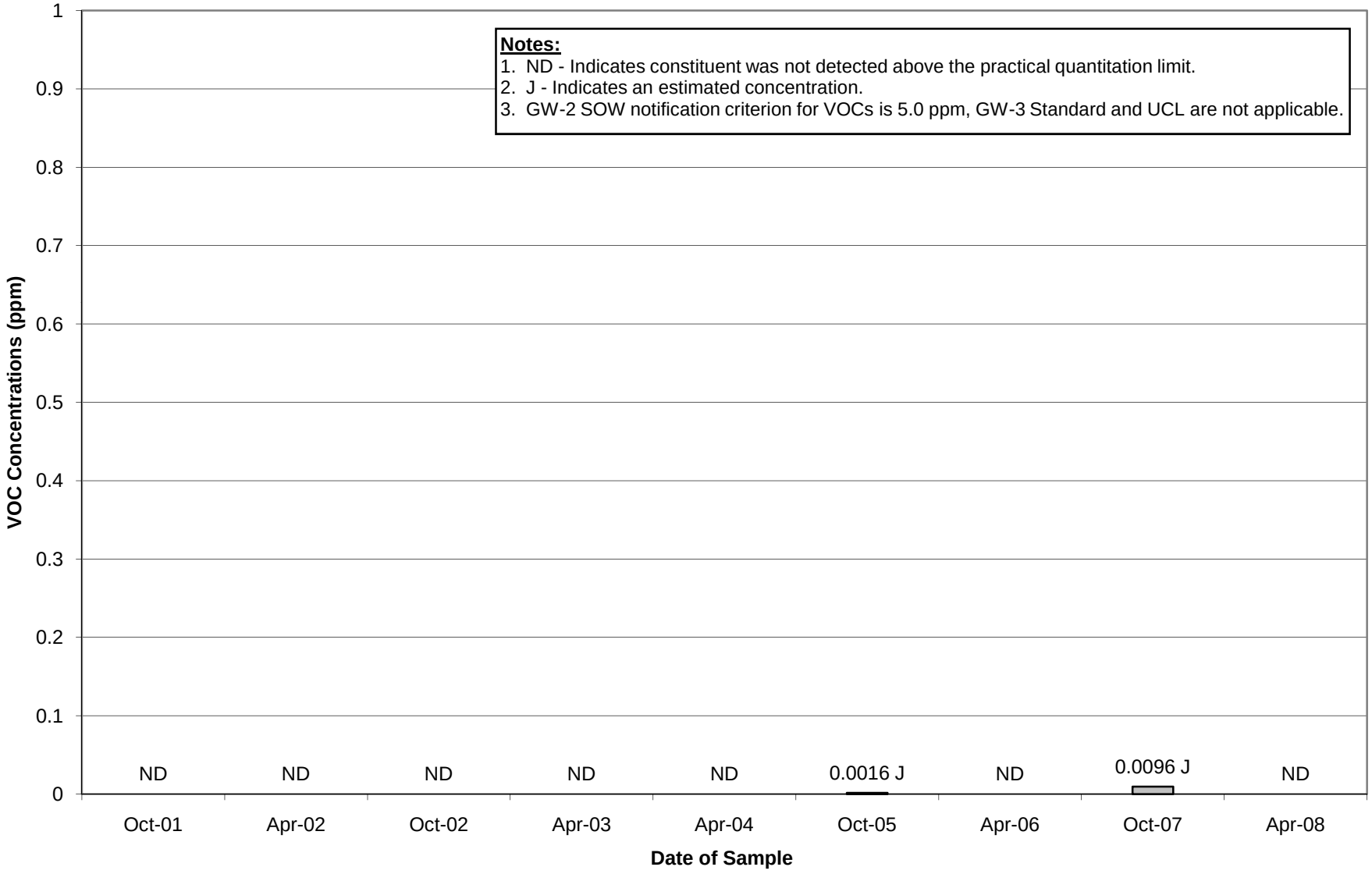
Appendix C
Well ES1-8 & ESA1S-33 & 72R Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



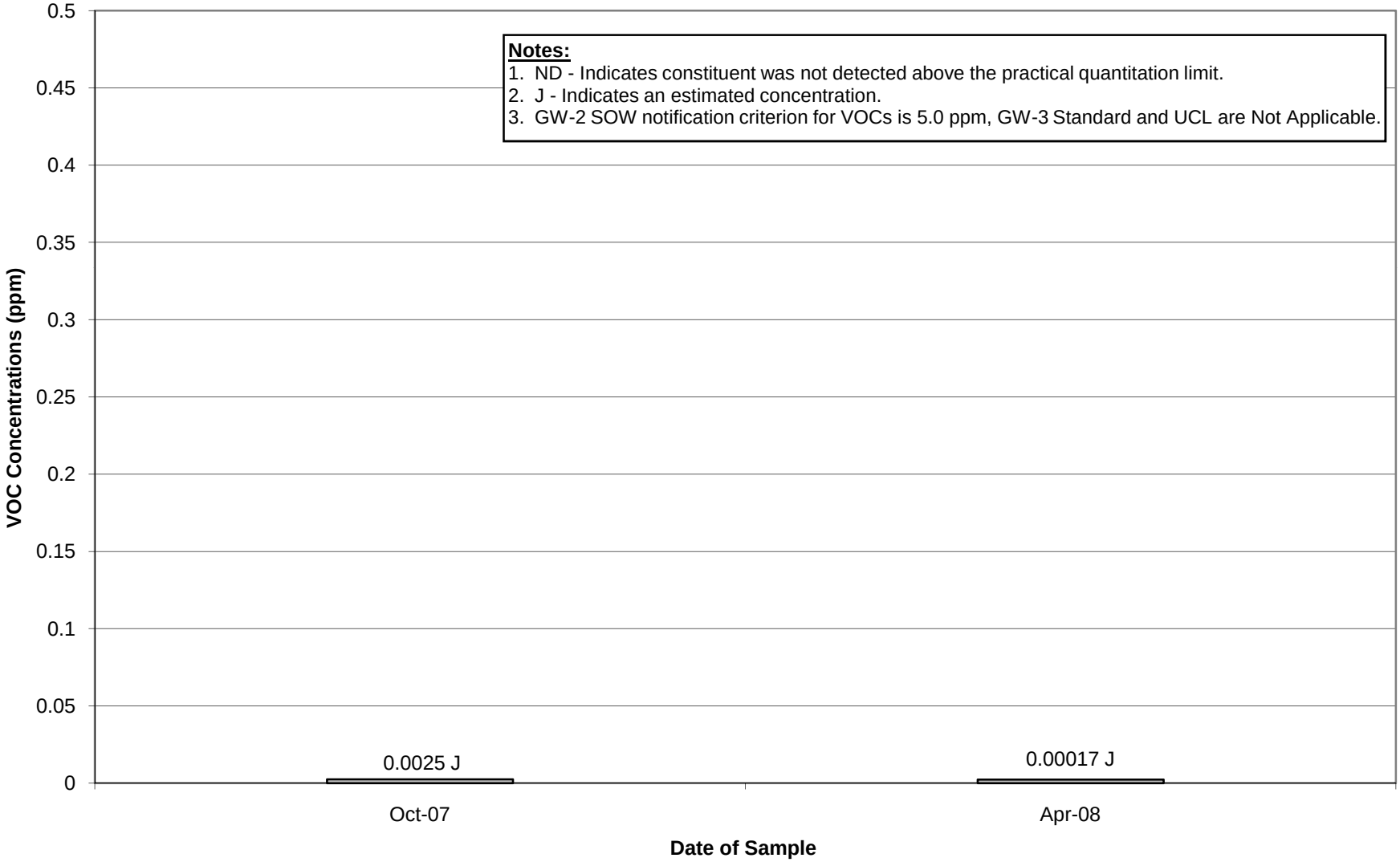
Appendix C
Well GMA1-6 Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



Appendix C
Well GMA1-25 Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



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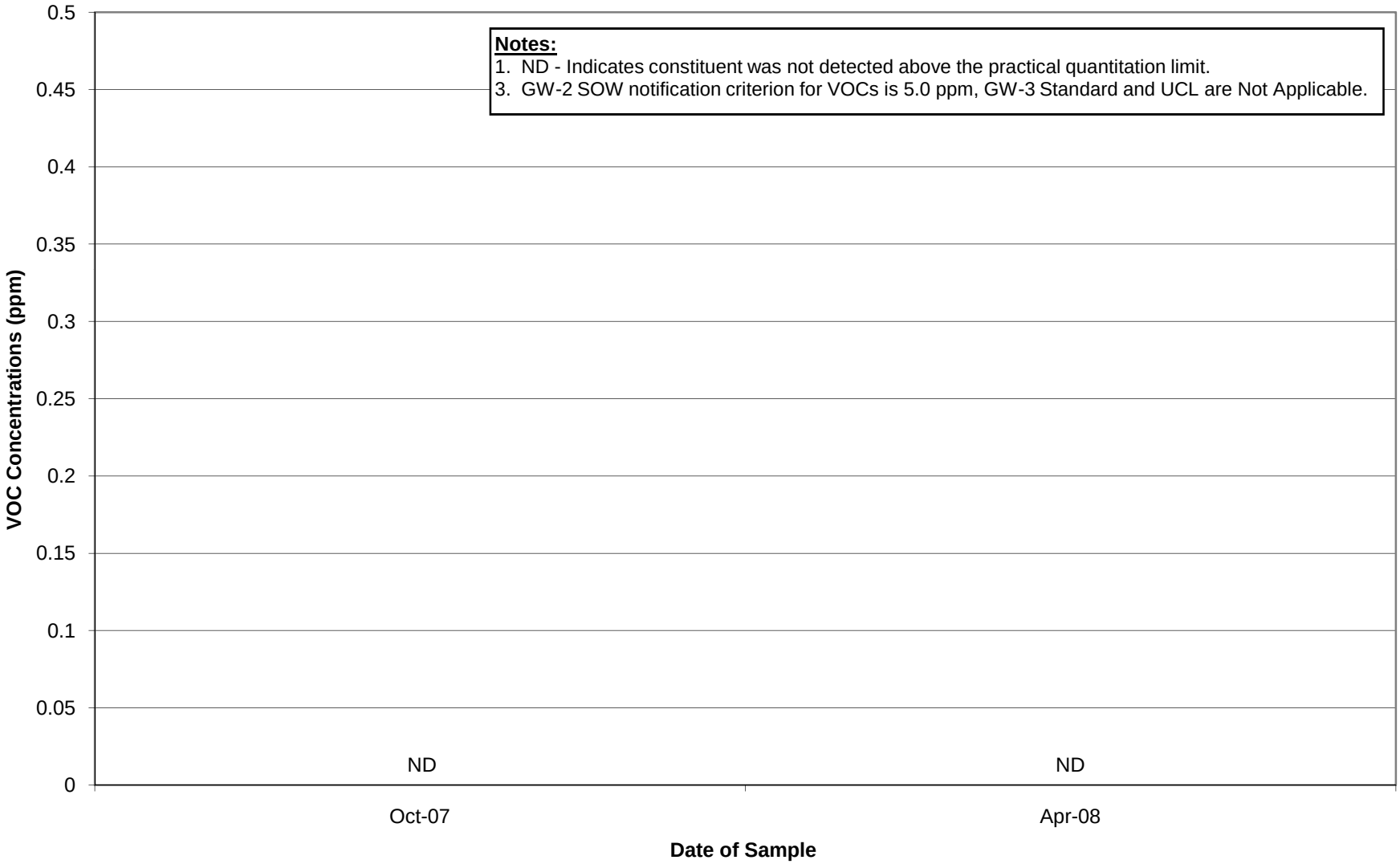
281811324AppxC_VOC.xls - GMA1-25

7/30/2008

Appendix C
Well GMA1-27 Historical VOC Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



G:\GE\GE_Pittsfield_CD_GMA_1\Reports and Presentations\Spring 2008 GW Qual Rpt\Appx C\
281811324AppxC_VOC.xls - GMA1-27

7/30/2008

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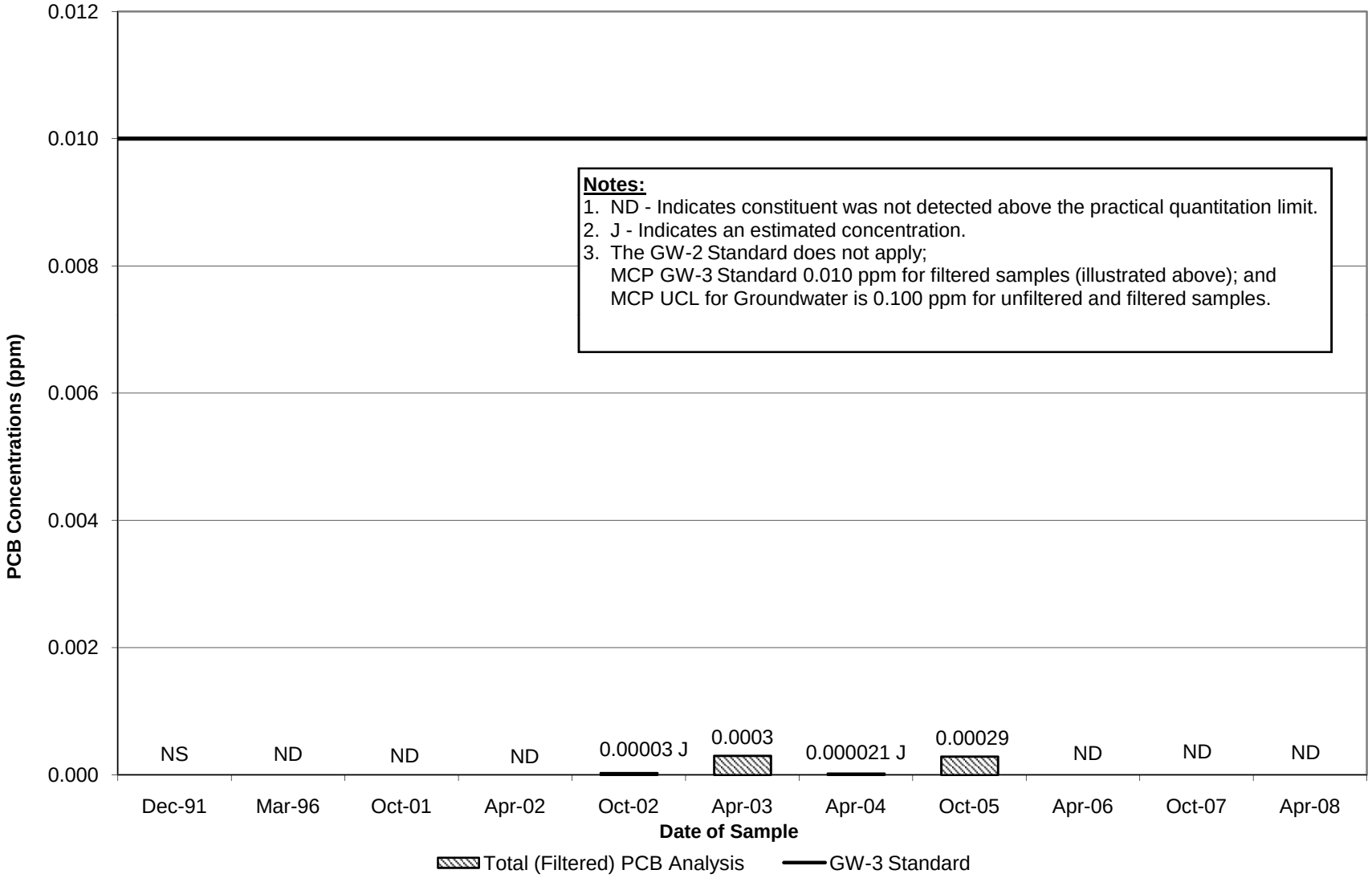
Historical Groundwater Data

Total PCB Concentrations –
Wells Sampled in Spring 2008

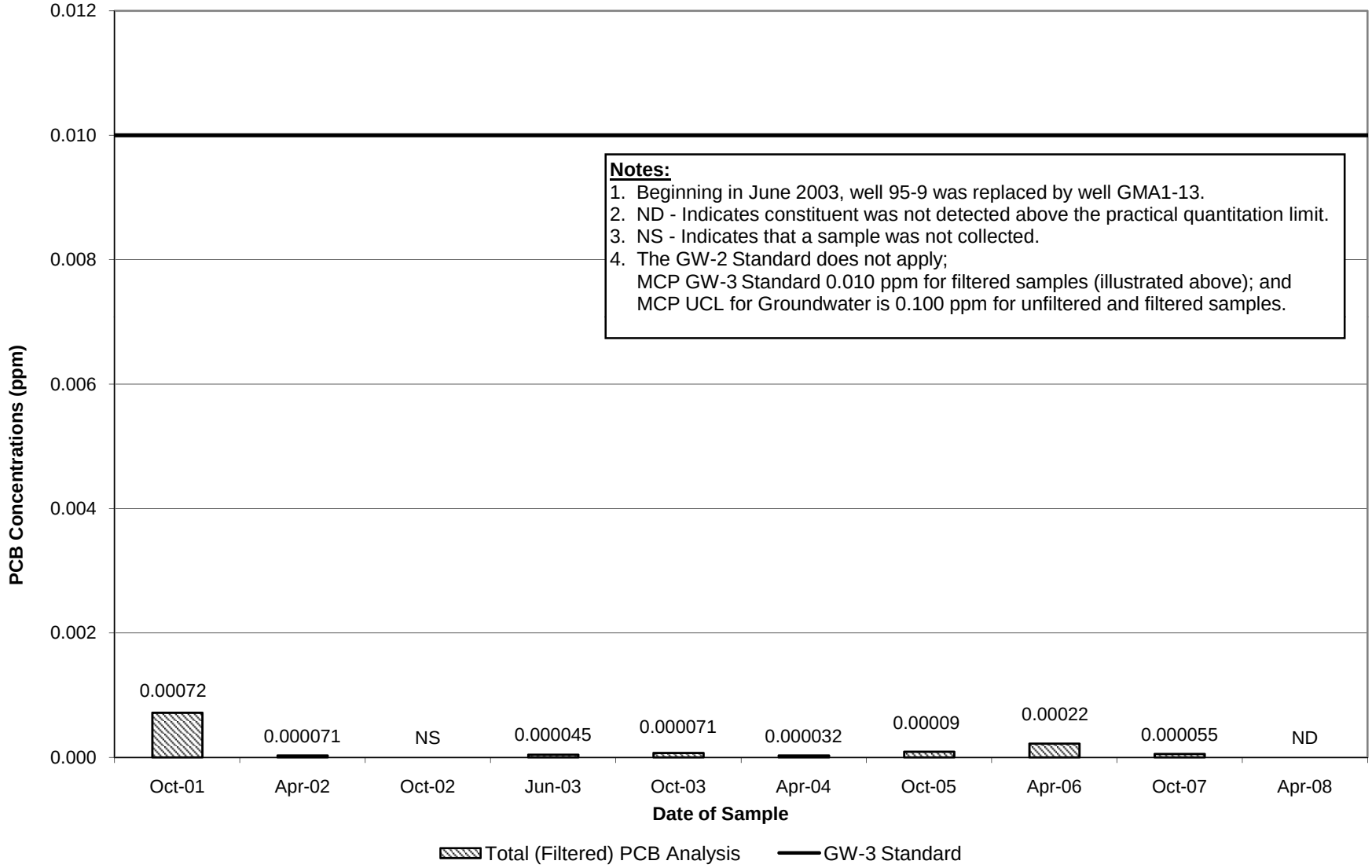
Appendix C
Well RF-02 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



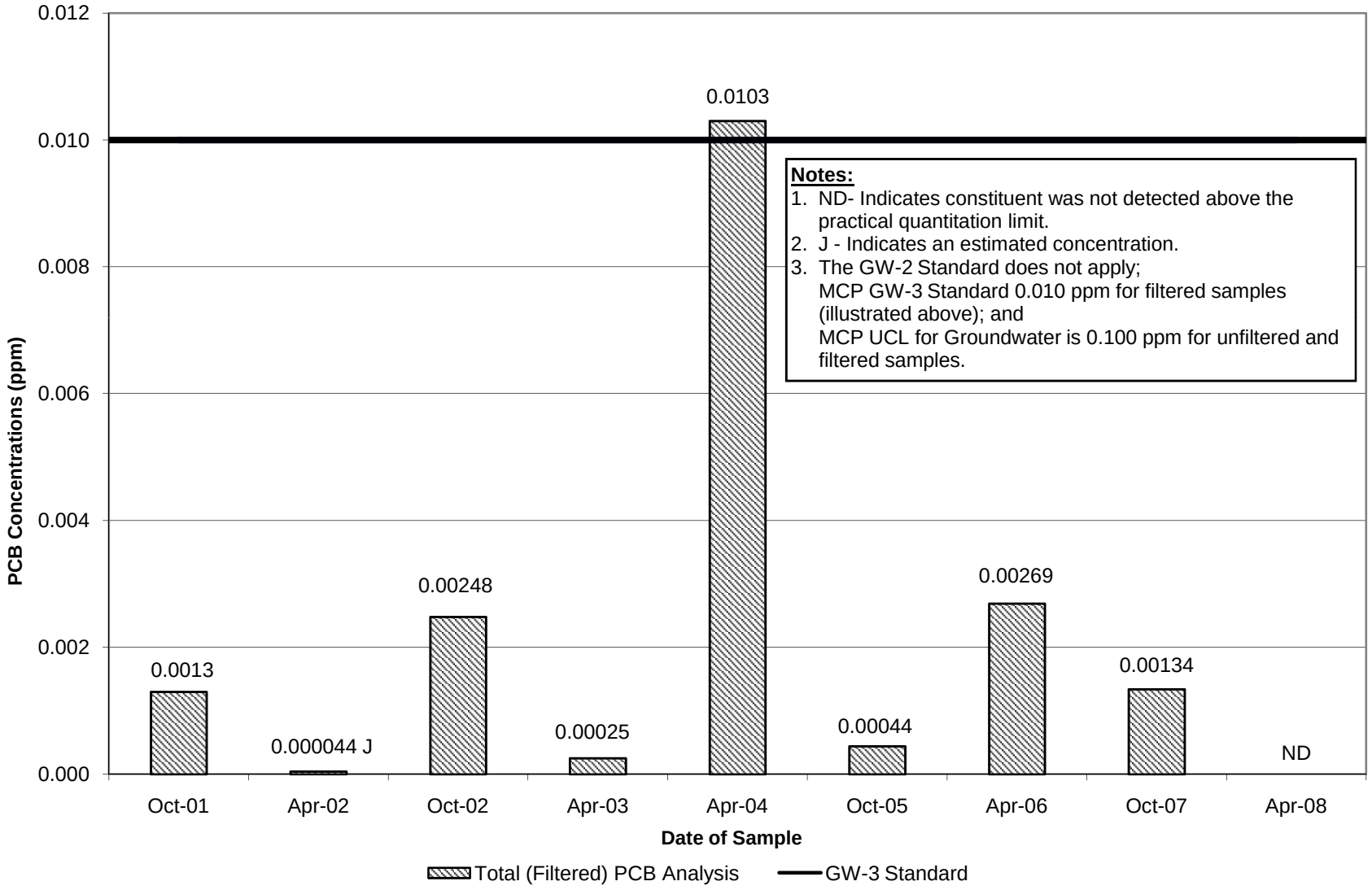
Appendix C
Well 95-9 & GMA1-13 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



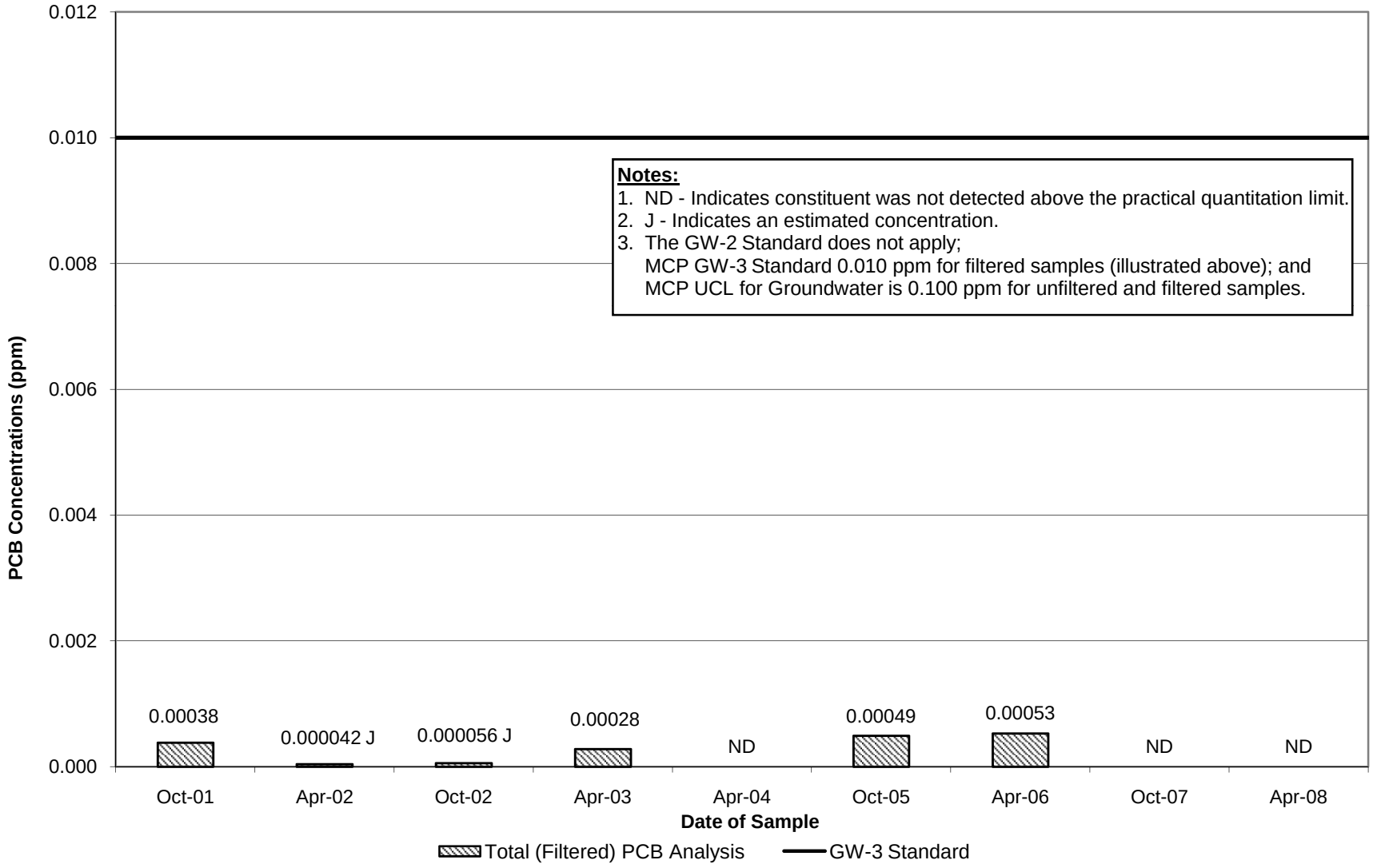
Appendix C
Well E2SC-23 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



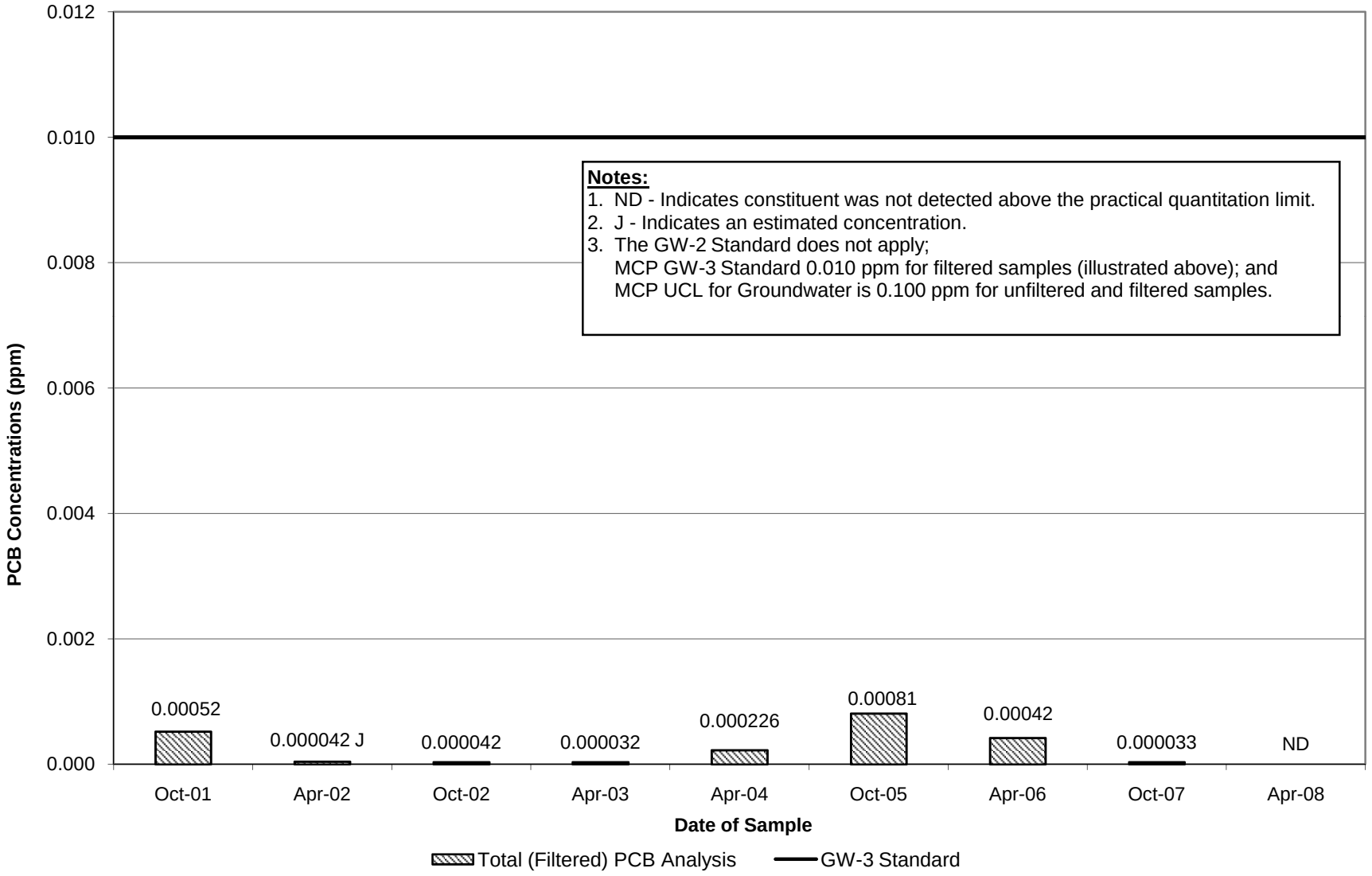
Appendix C
Well E2SC-24 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



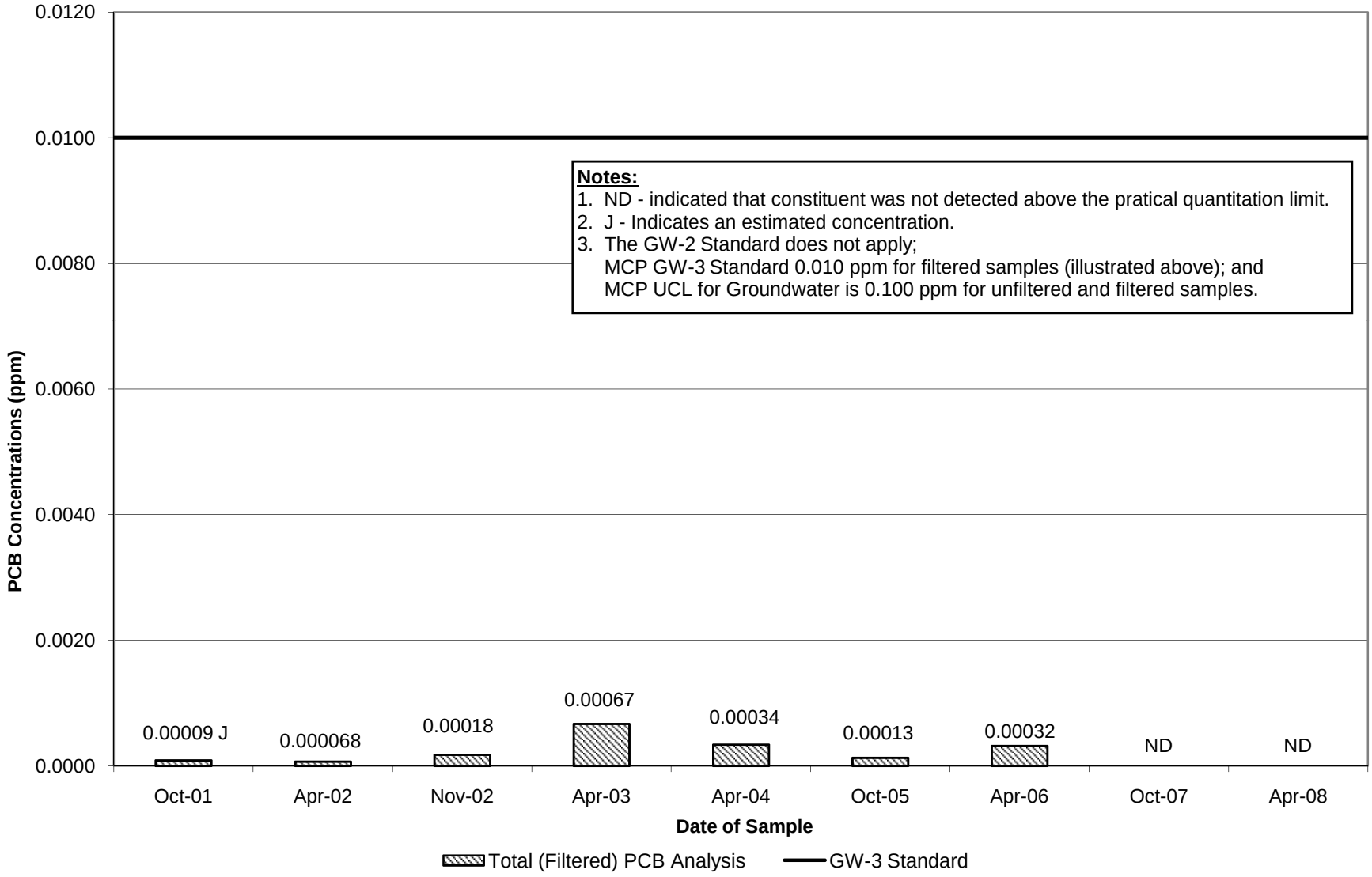
Appendix C
Well HR-G3-MW-1 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



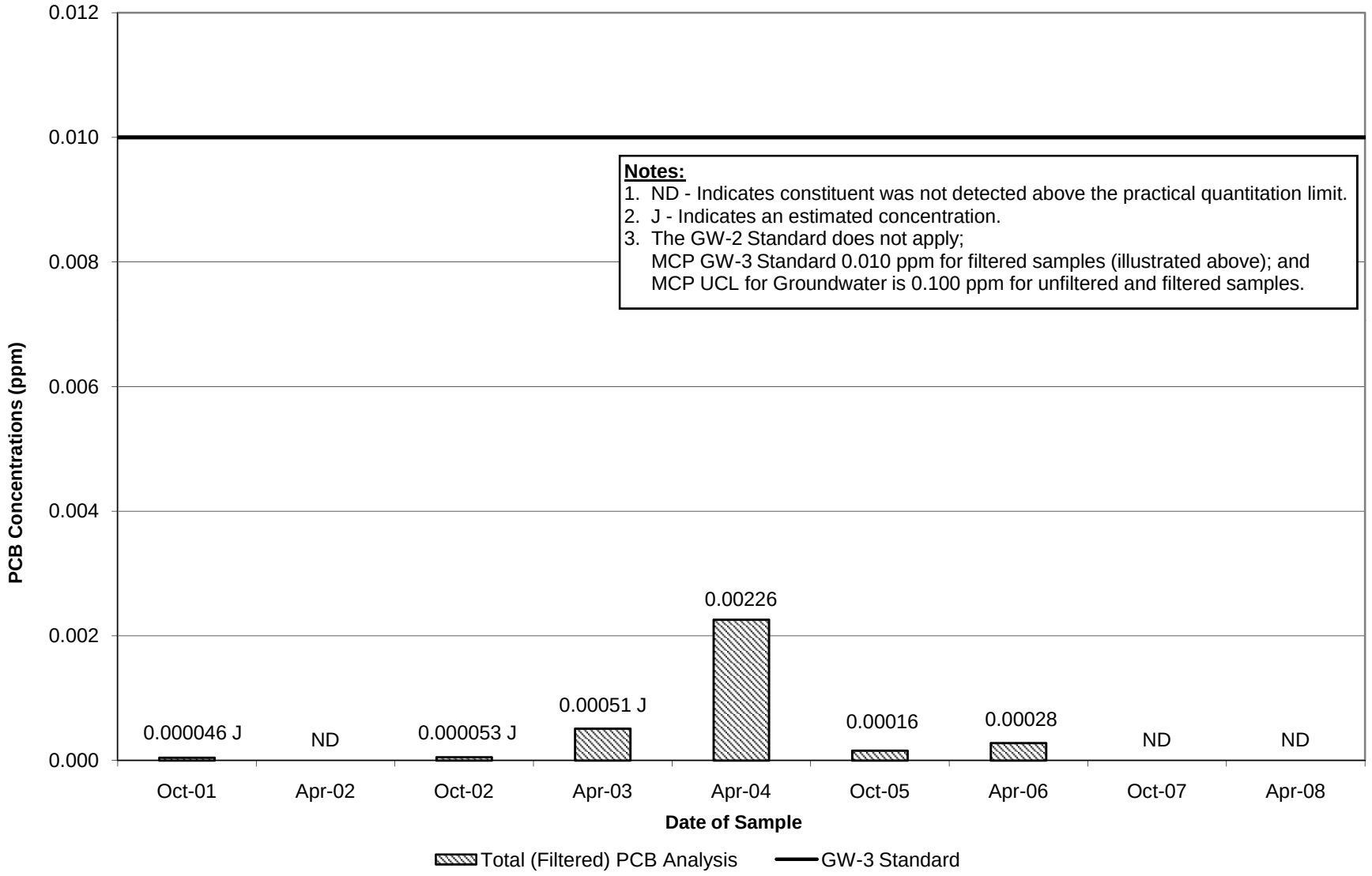
Appendix C
Well ES1-05 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



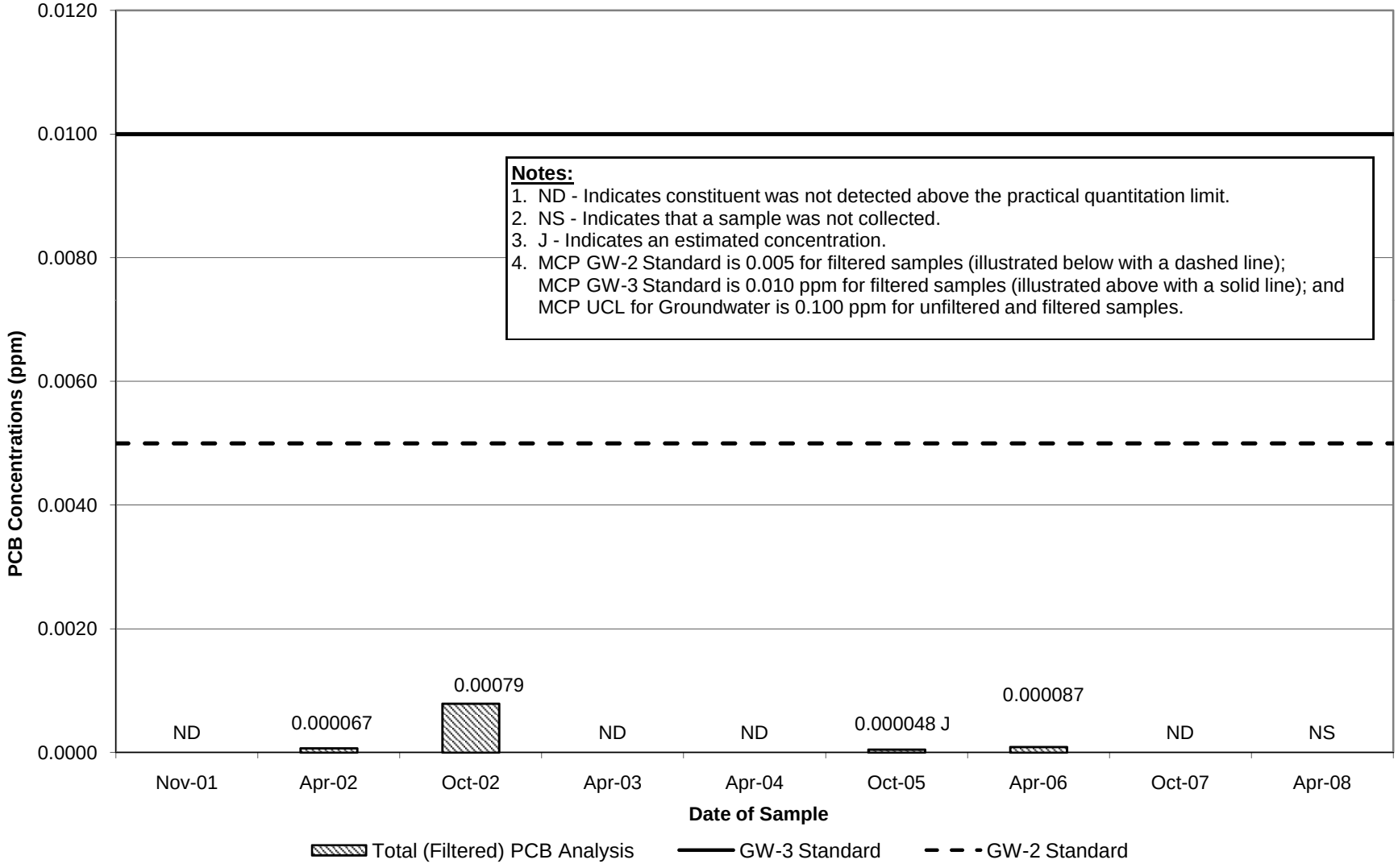
Appendix C
Well ES1-27R Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



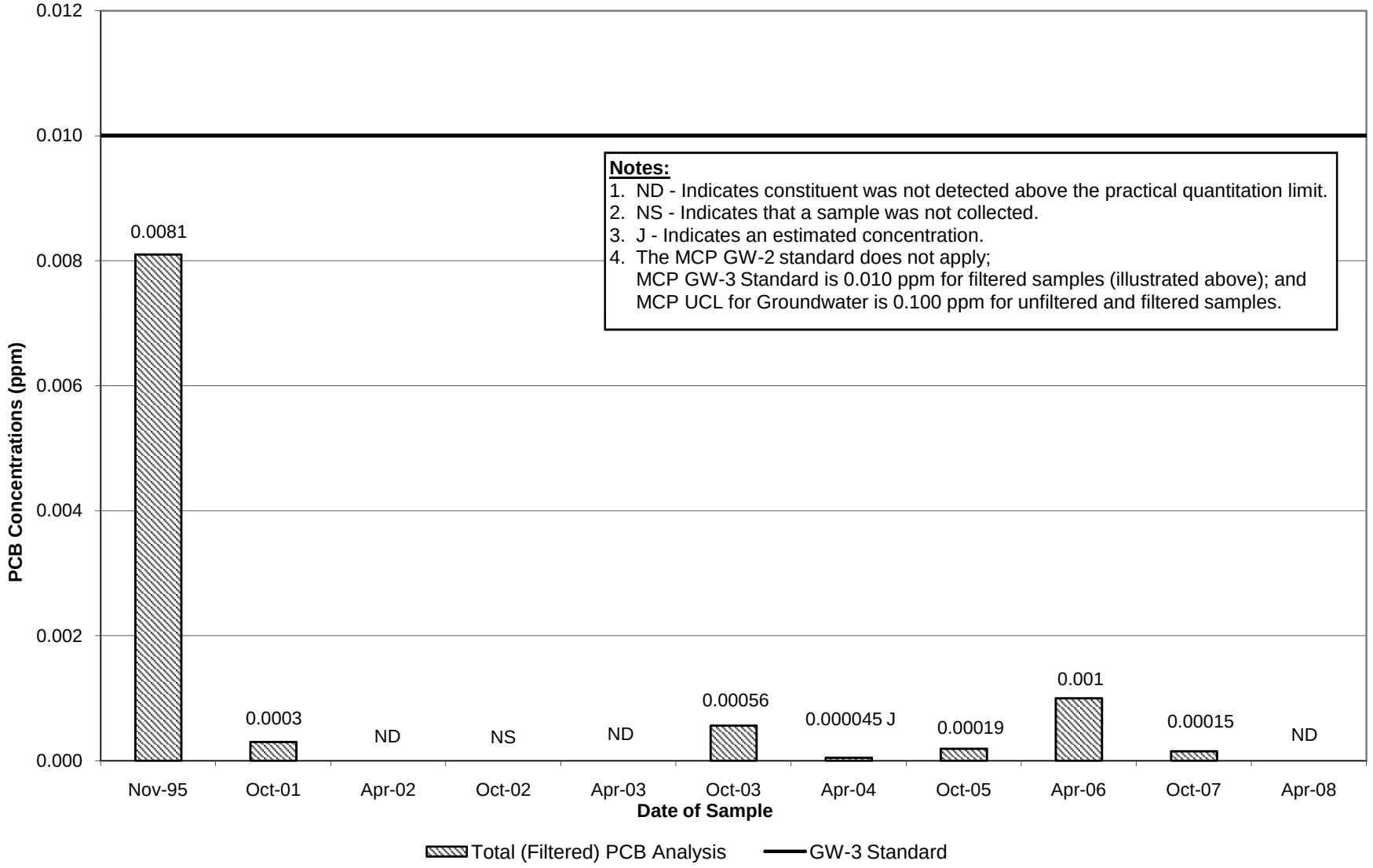
Appendix C
Well ESA1N-52 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



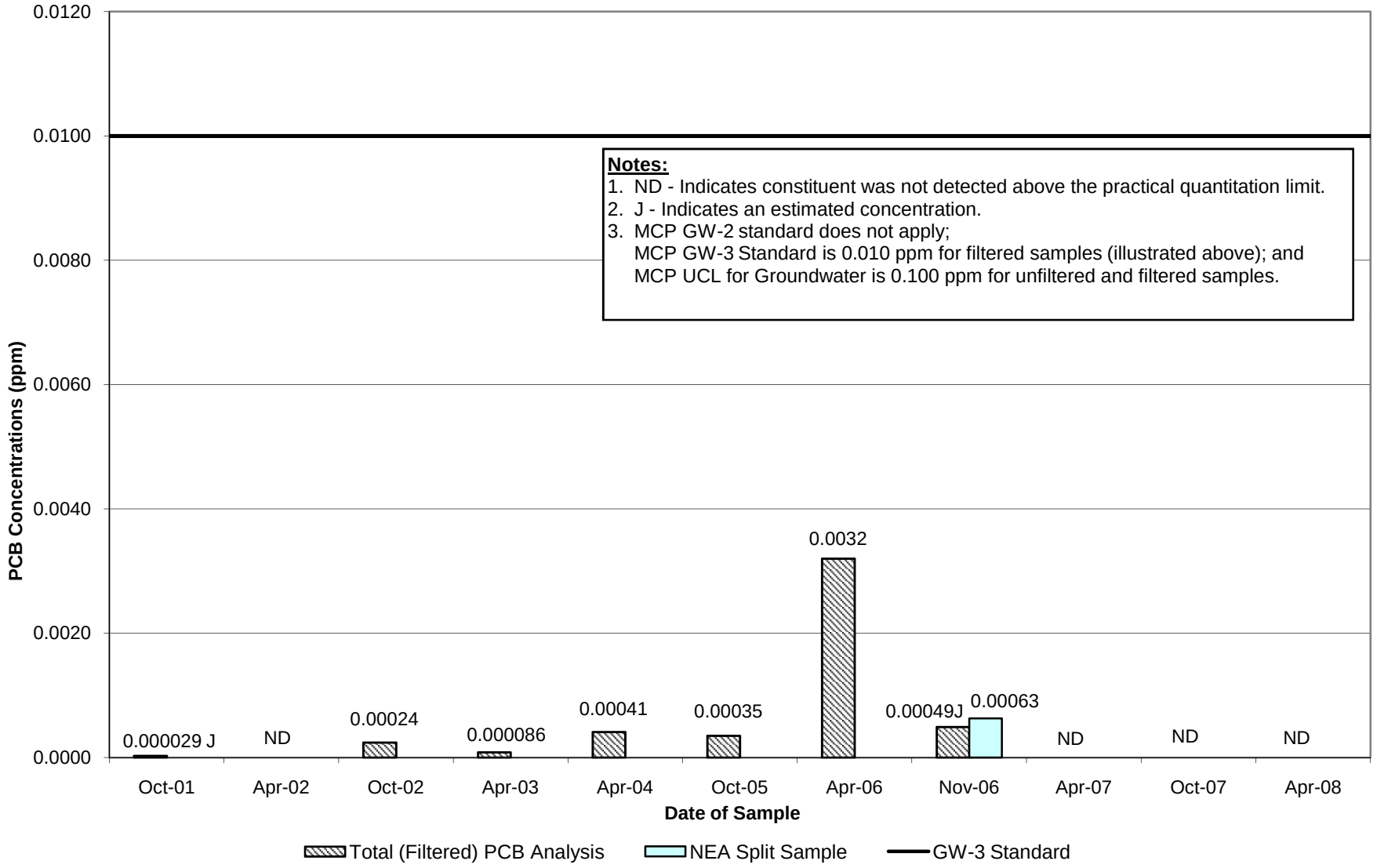
Appendix C
Well LS-29 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



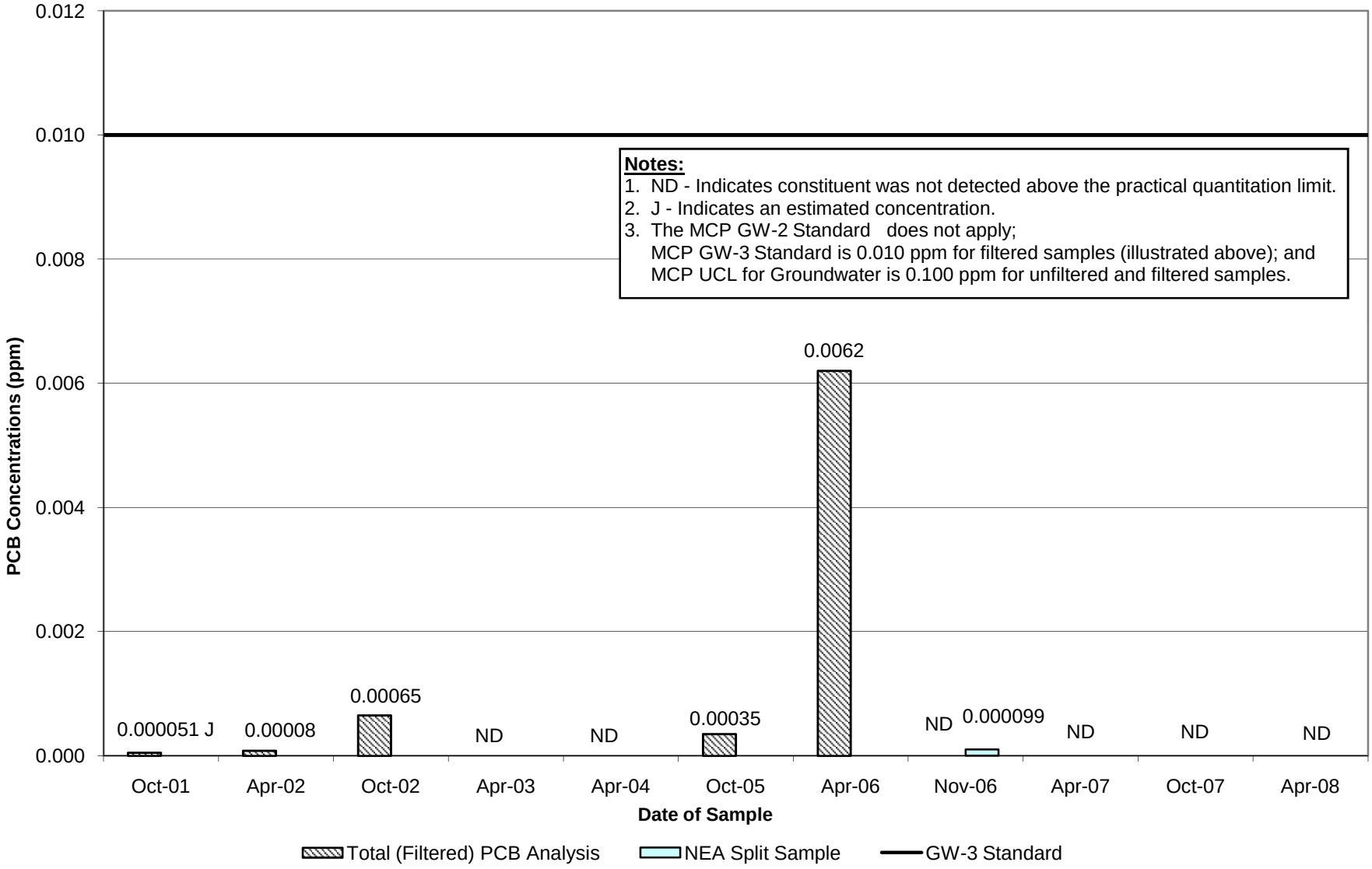
Appendix C
Well LSSC-08S Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



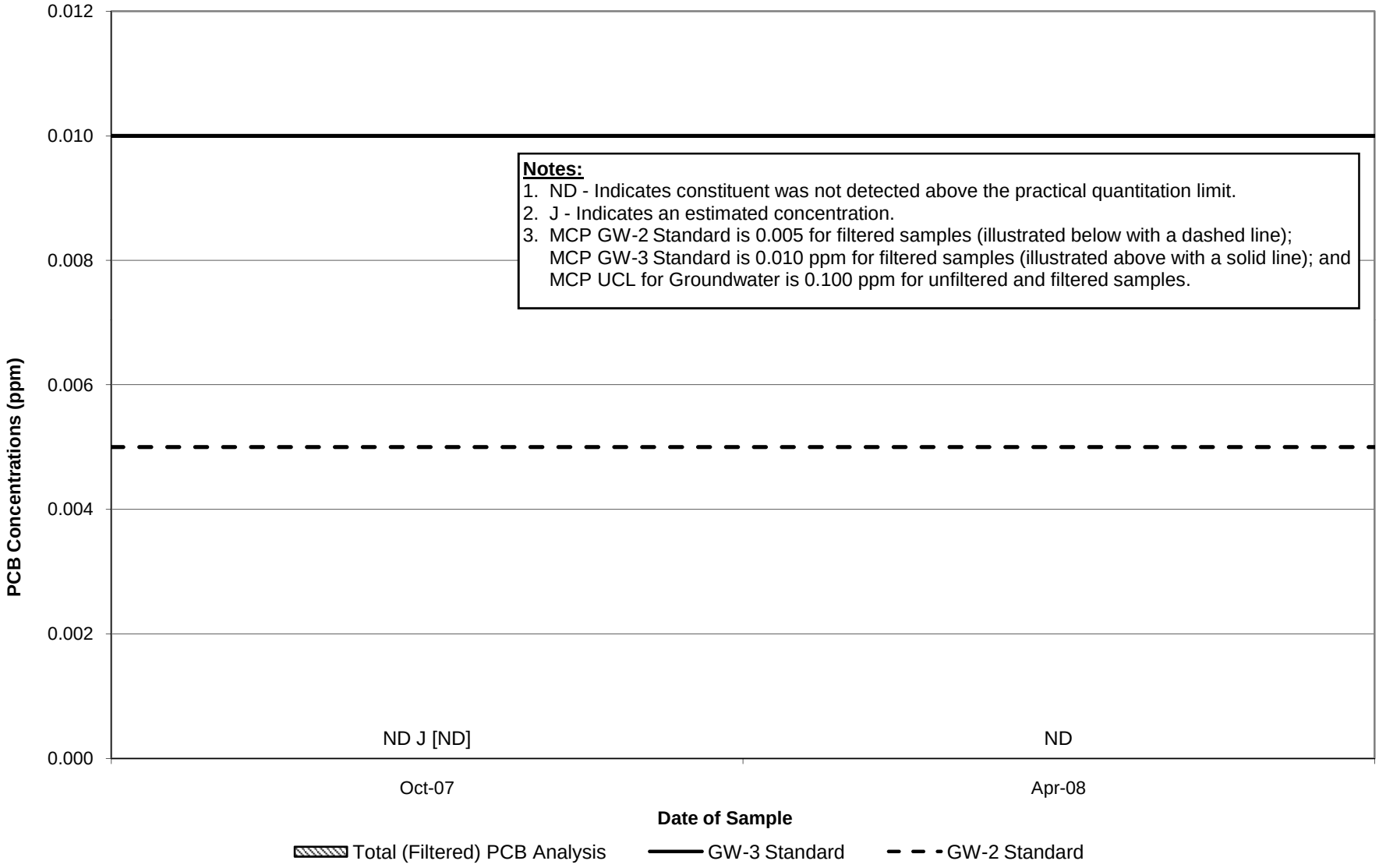
Appendix C
Well LSSC-18 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



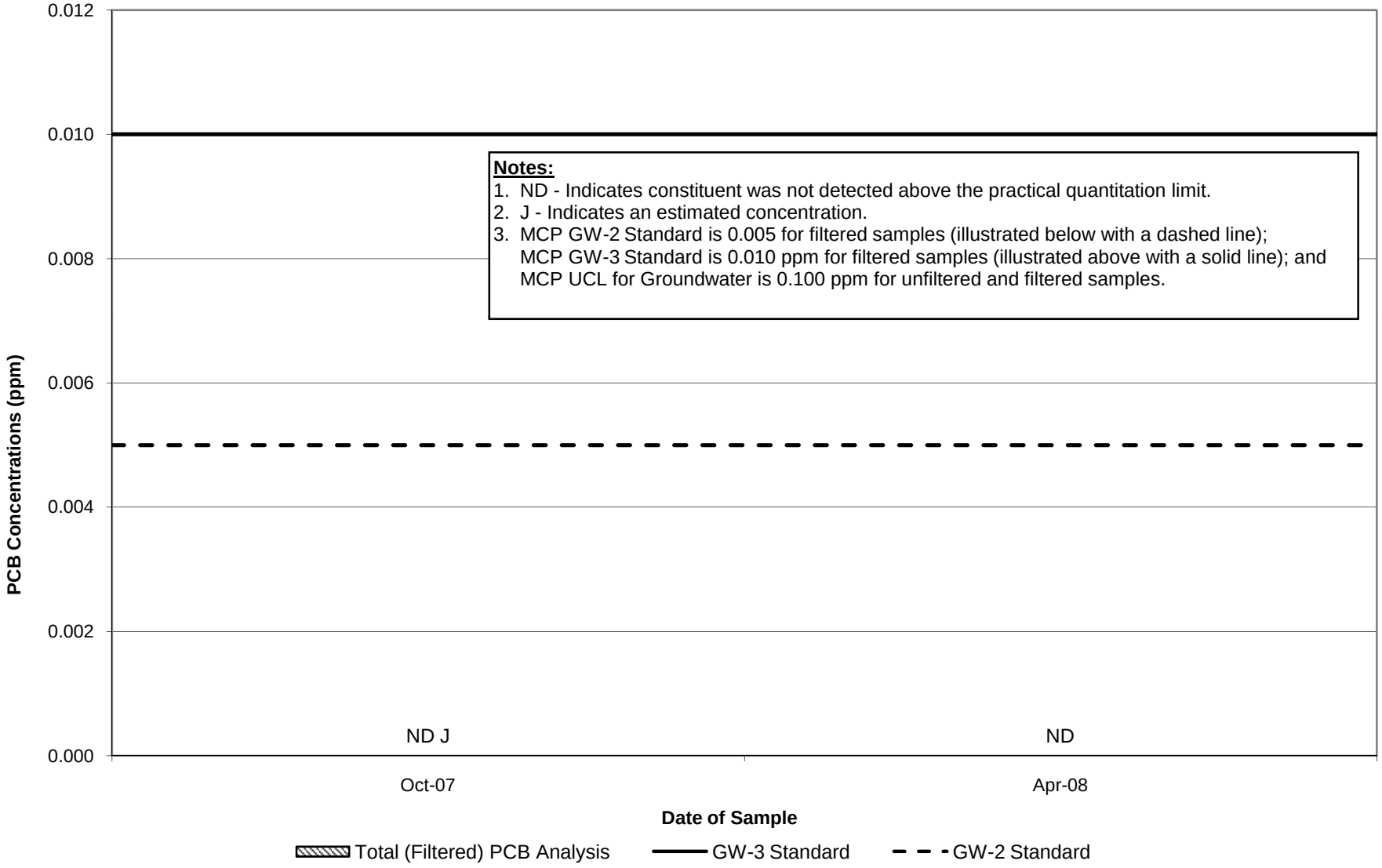
Appendix C
Well GMA1-25 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



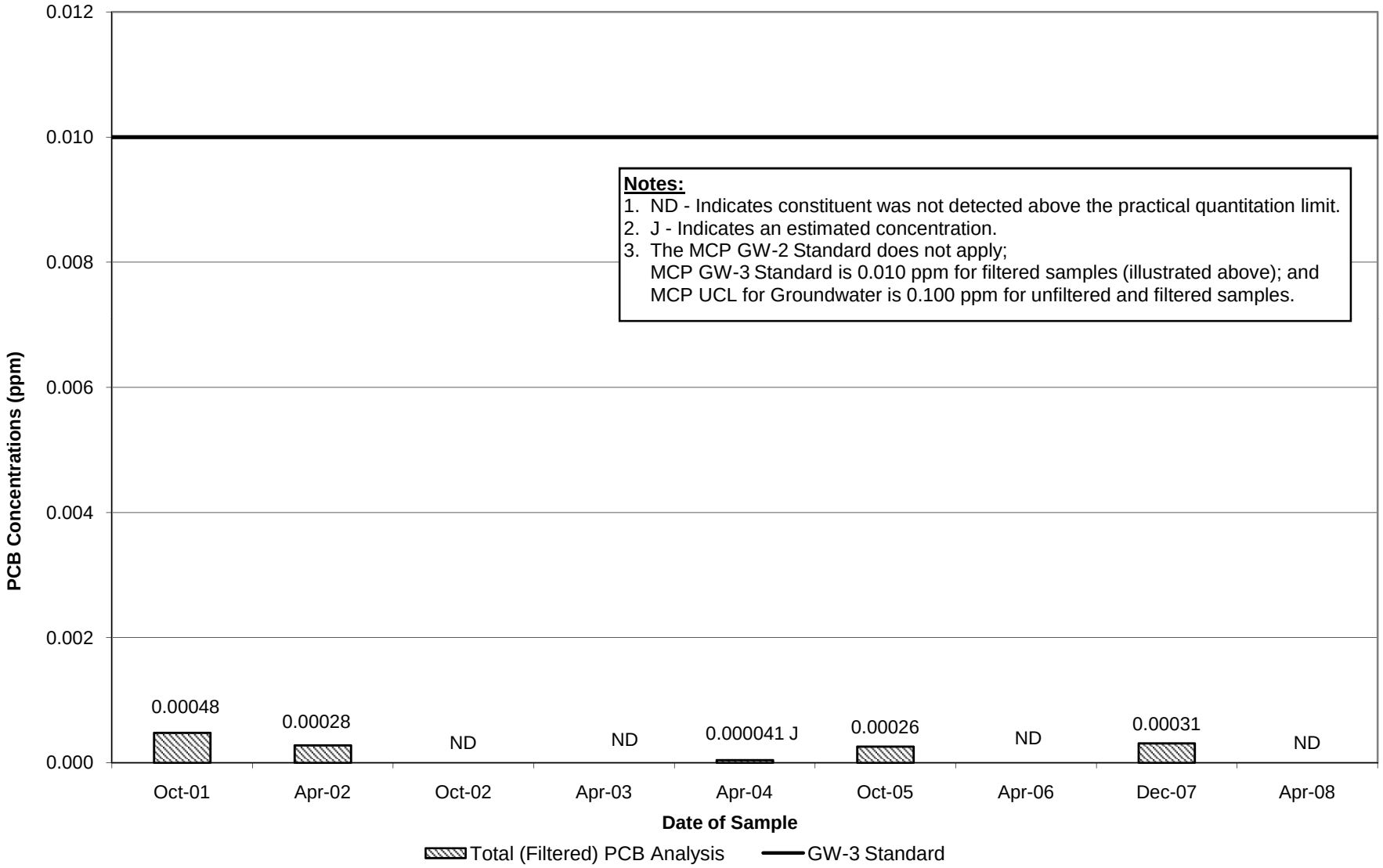
Appendix C
Well GMA1-27 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



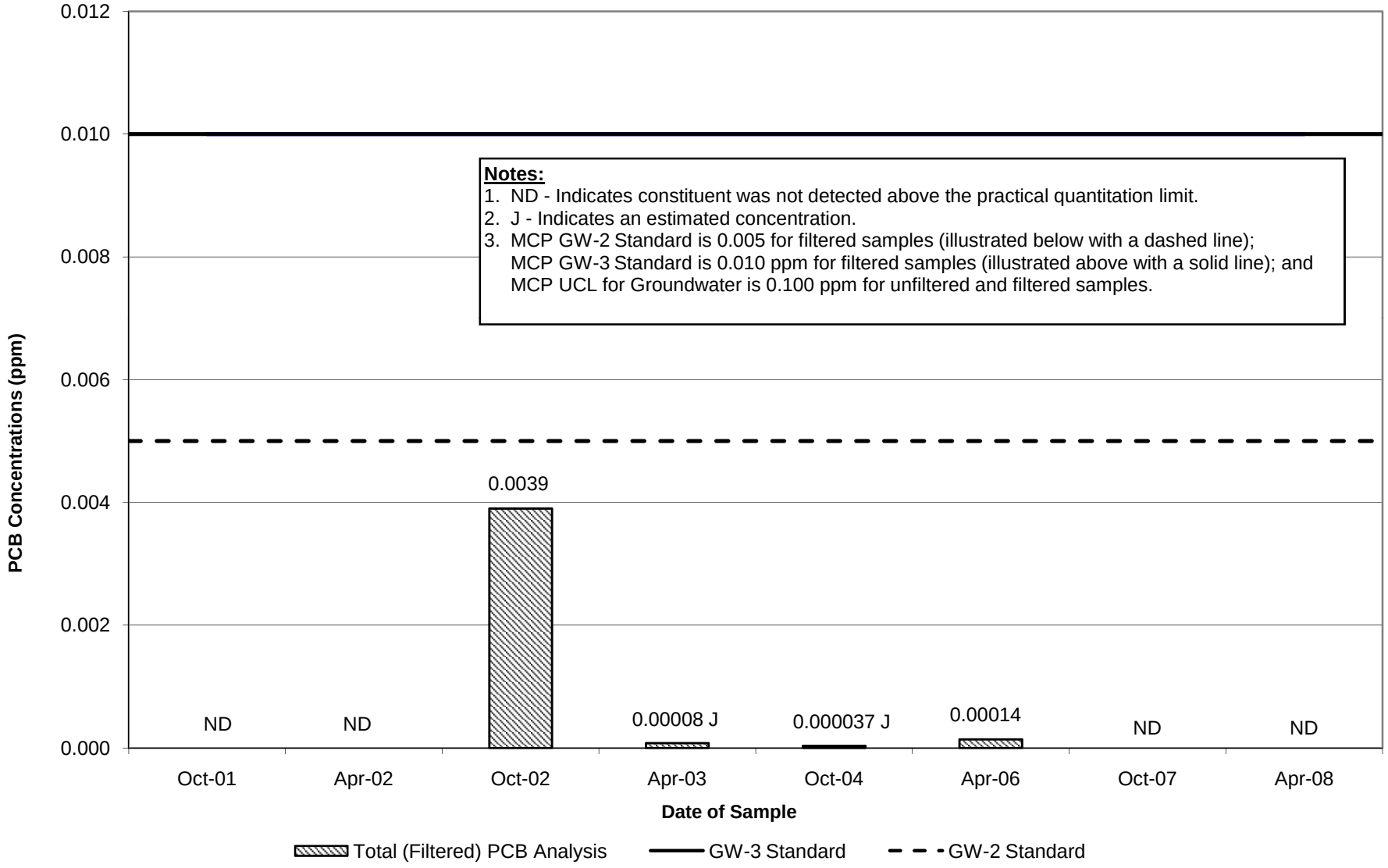
Appendix C
Well N2SC-07S Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



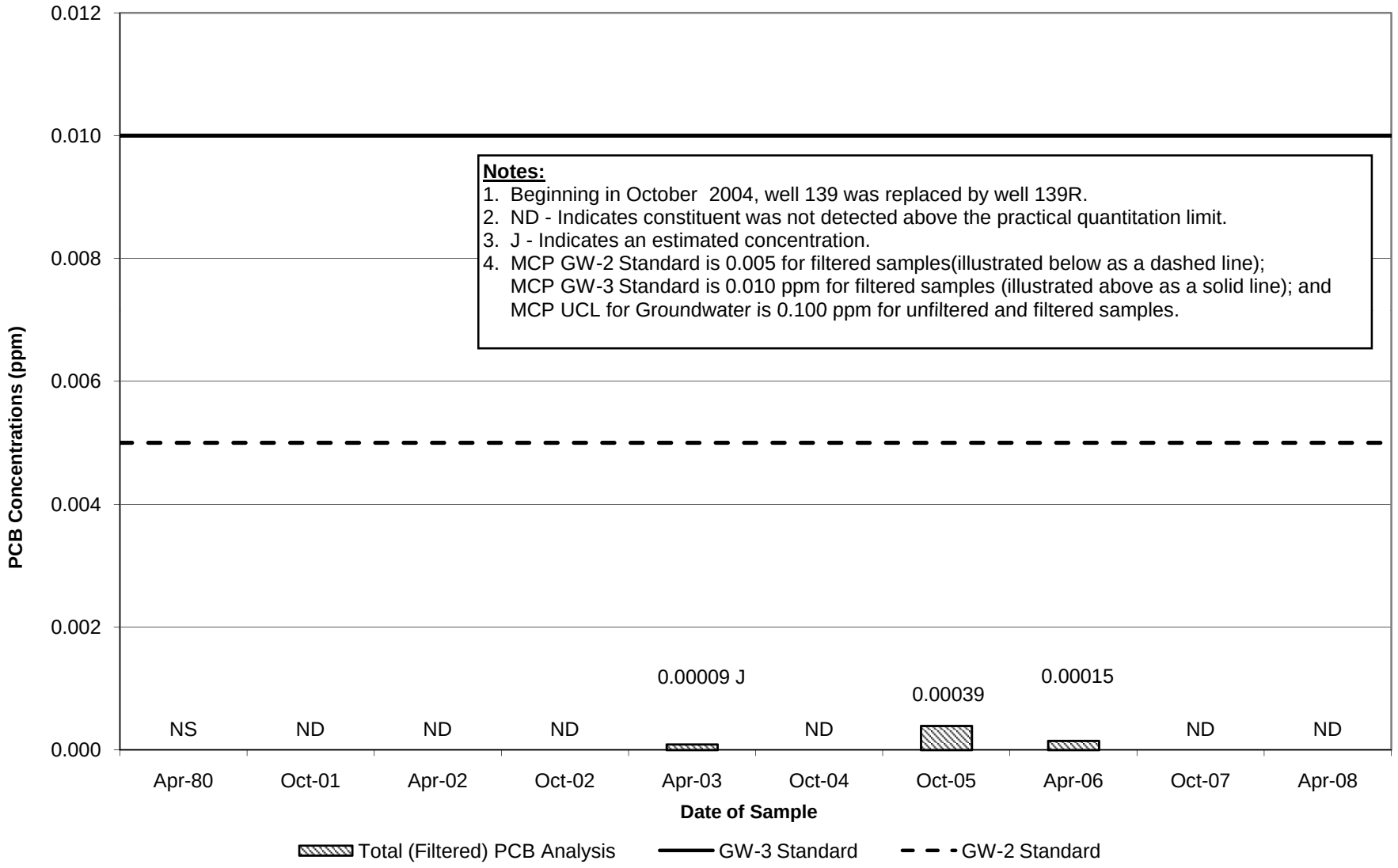
Appendix C
Well ES1-8, ESA1S-33, & 72R Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



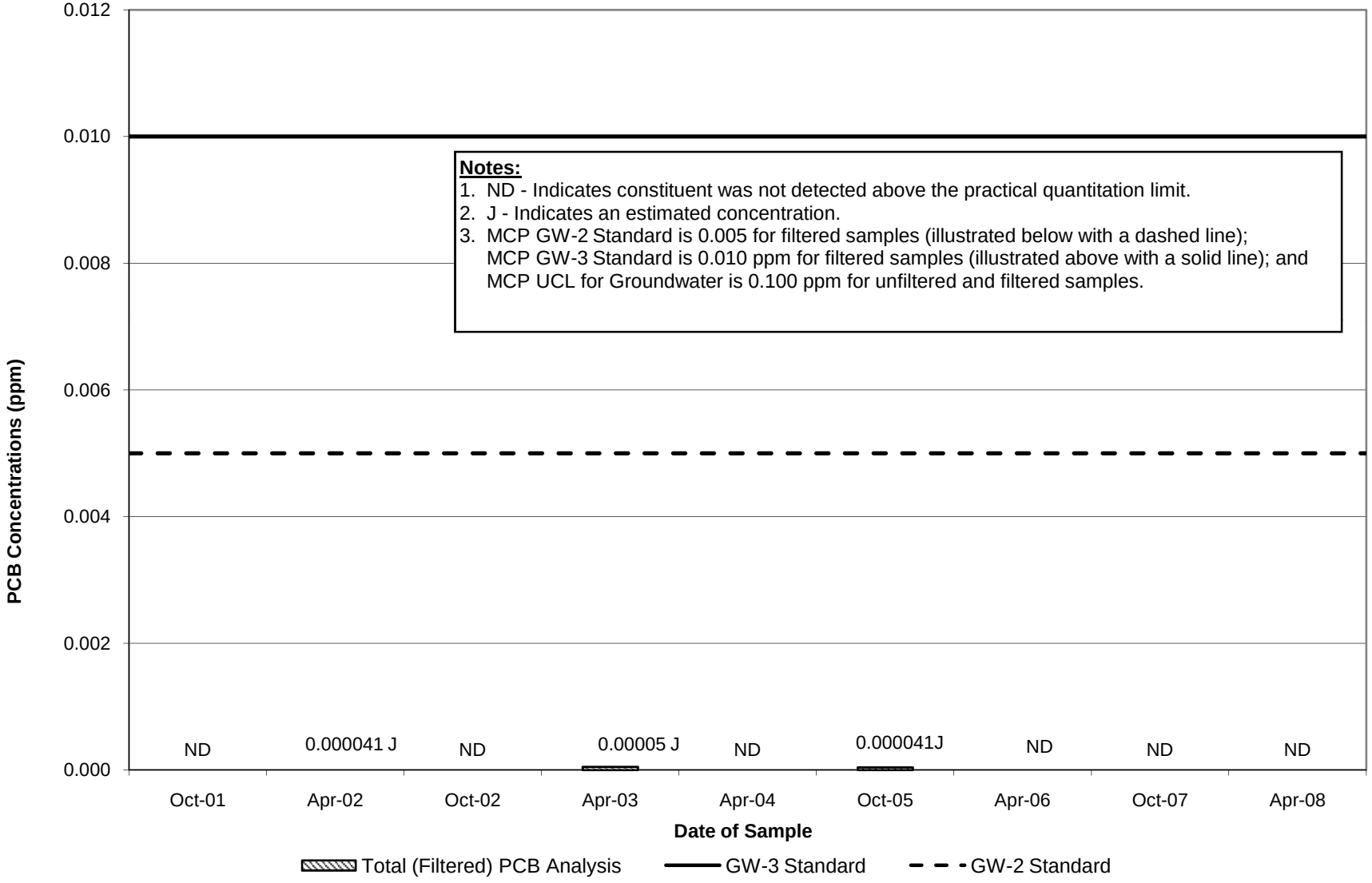
Appendix C
Well 139 & 139R Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



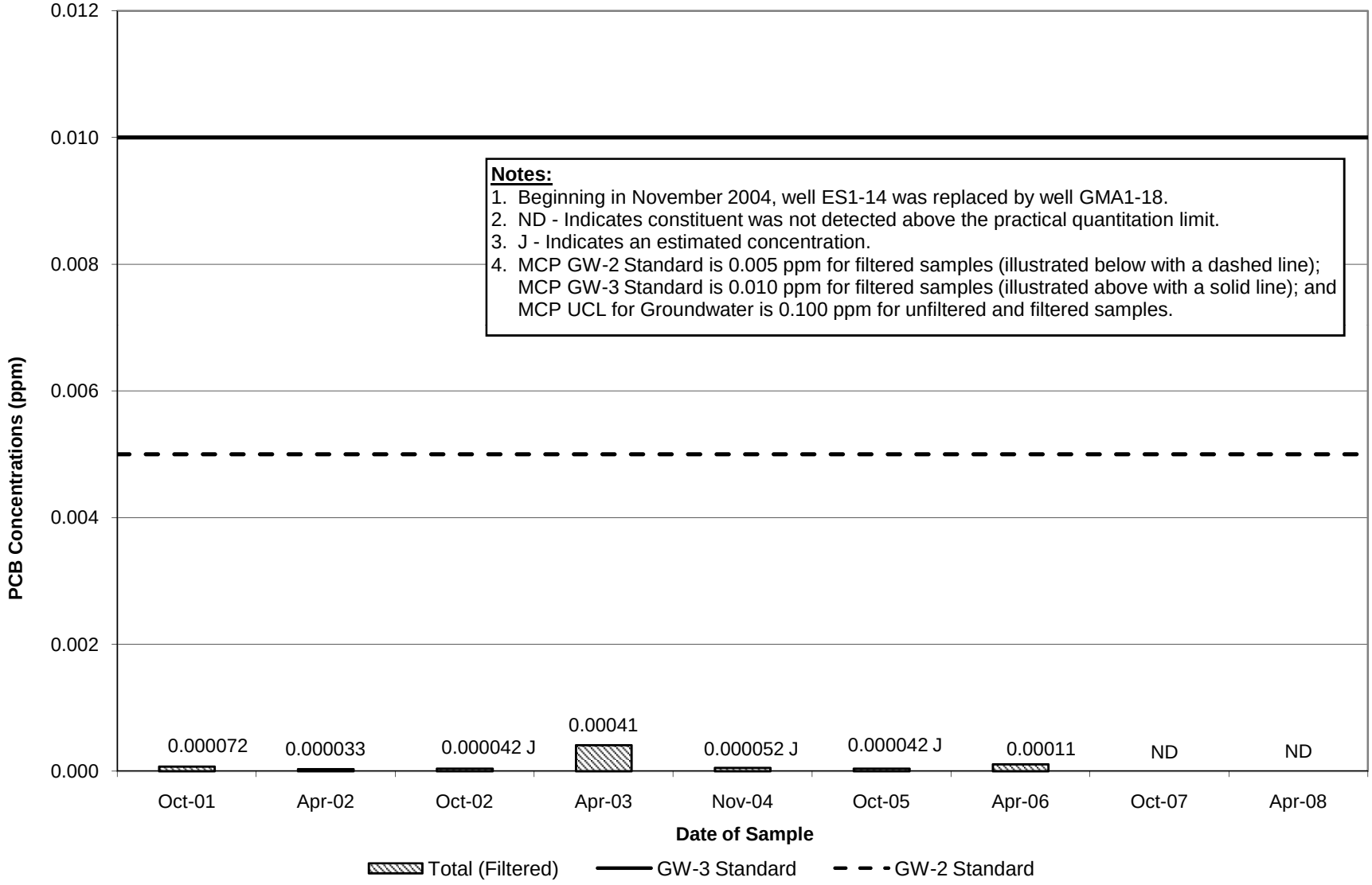
Appendix C
Well GMA1-6 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



Appendix C
Well ES1-14 & GMA1-18 Historical PCB Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



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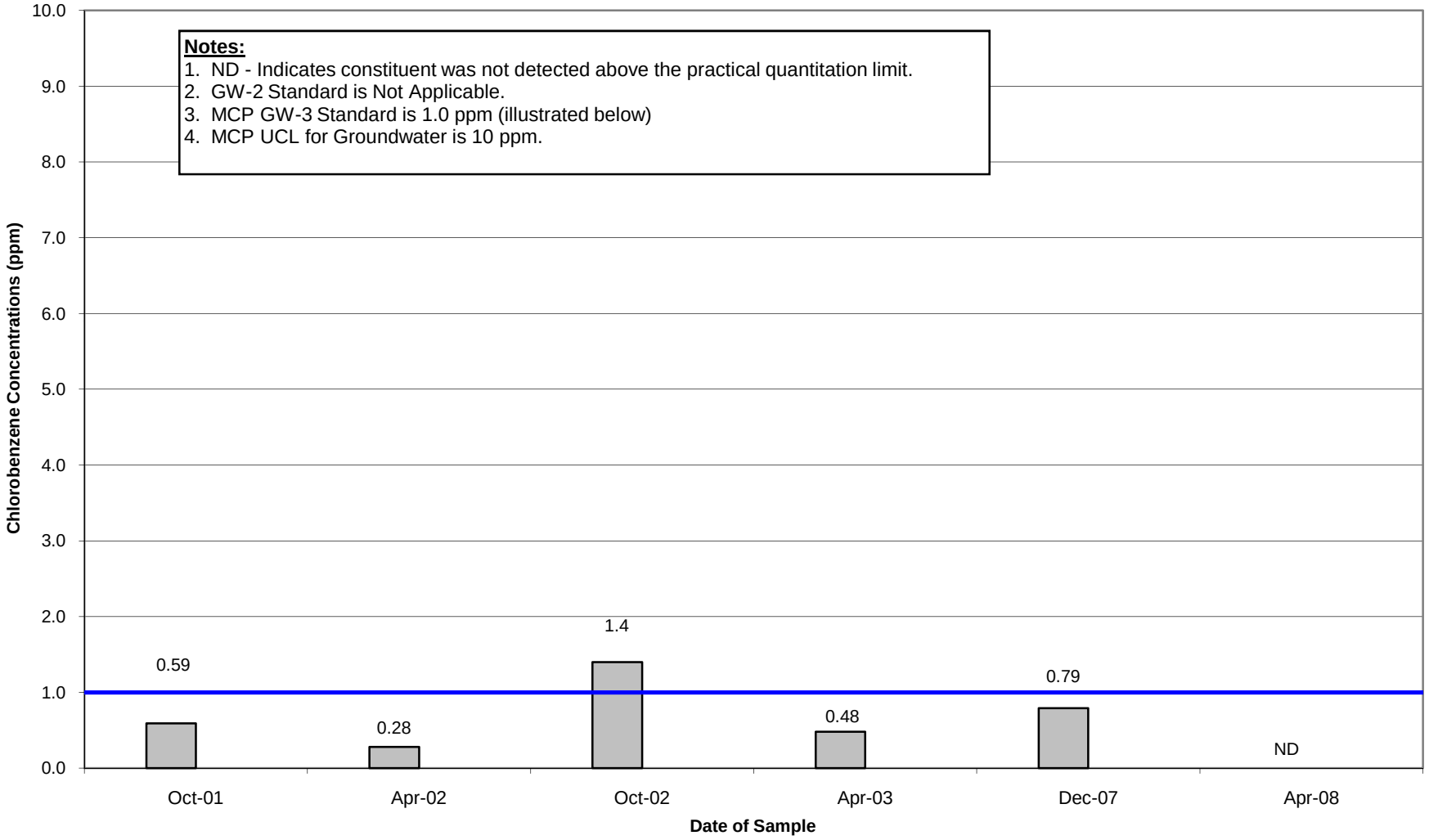
Historical Groundwater Data

Chlorobenzene Concentrations – Selected Wells Sampled in Spring 2008

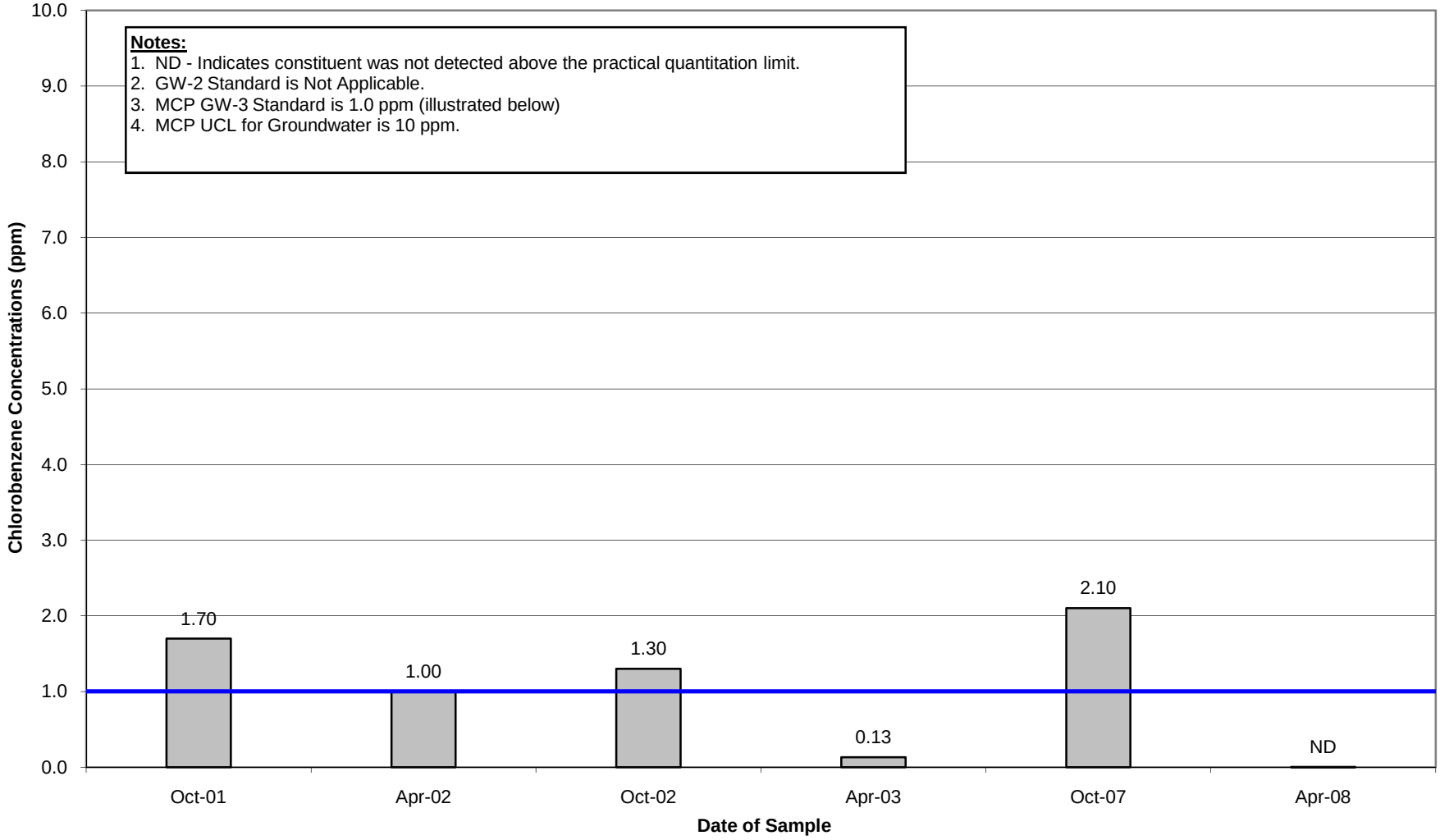
Appendix C
Well 3-6C-EB-14 Historical Chlorobenzene Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



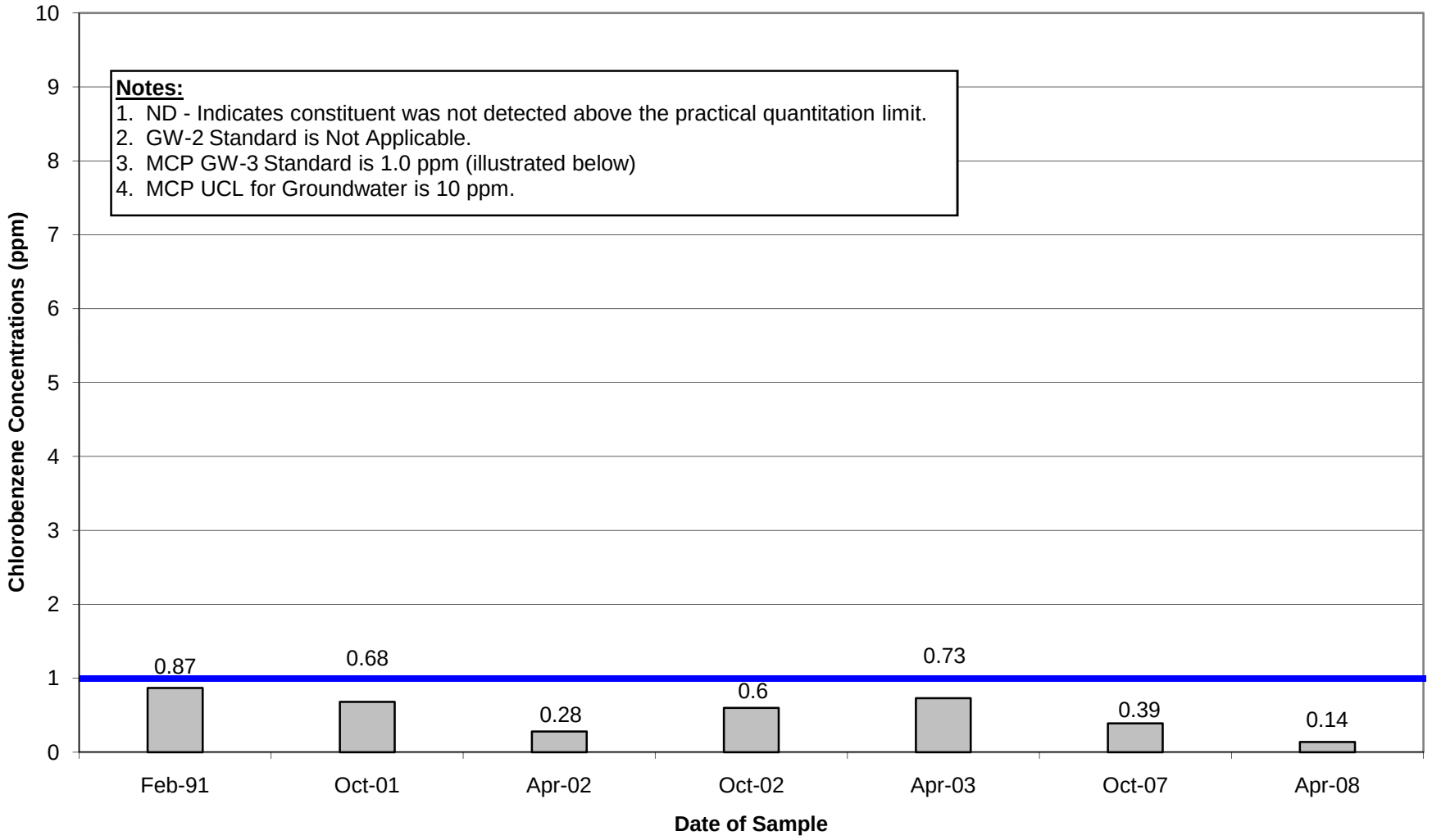
Appendix C
Well ES2-02A Historical Chlorobenzene Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



Appendix C
Well ESA2S-64 Historical Chlorobenzene Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



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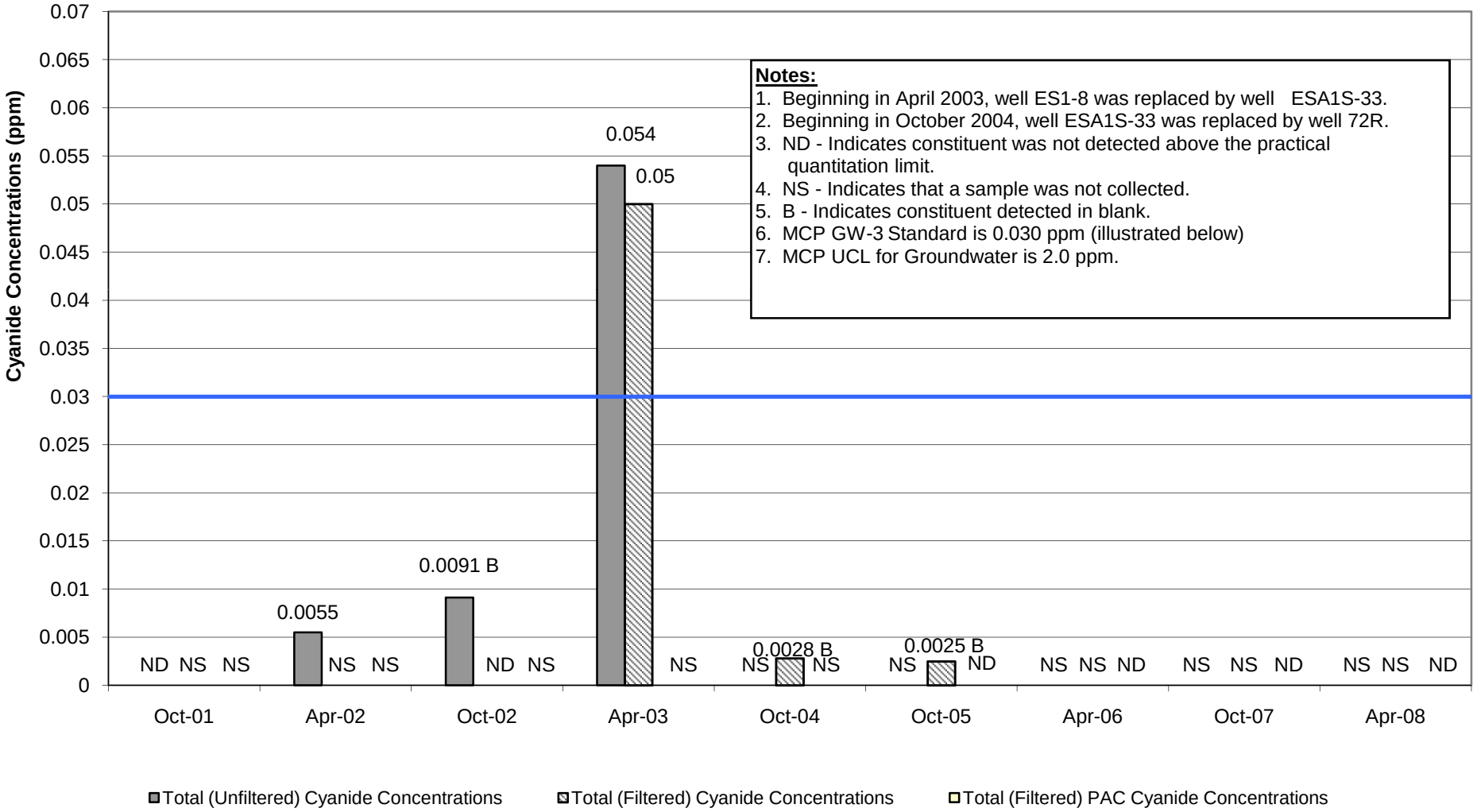
Historical Groundwater Data

Cyanide Concentrations – Selected Wells Sampled in Spring 2008

Appendix C
Well ES1-8, ESA1S-33, and 72R Unfiltered, Filtered Total, and Physiologically Available Cyanide Concentrations

Groundwater Management Area 1
General Electric Company - Pittsfield, Massachusetts



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Appendix D

Data Validation Report

Appendix D
Groundwater Sampling Data Validation Report
Groundwater Management Area 1 – Spring 2008

General Electric Company
Pittsfield, Massachusetts

1.0 General

This attachment summarizes the data validation review performed on behalf of the General Electric Company (GE) for groundwater samples collected in April 2008 as part of groundwater quality monitoring activities conducted at Groundwater Management Area 1, located within 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 19 PCB samples, 15 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 attachment outlines the applicable quality control criteria utilized during the data review process and any deviations from those criteria. The data review was conducted in accordance with the following documents:

- *Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts,* ARCADIS BBL (as submitted by GE on March 30, 2007 following approval by EPA on March 15, 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	17	1	1	19
VOCs	0	0	0	9	1	5	15
SVOCs	0	0	0	2	1	1	4
Metals	0	0	0	1	1	1	3

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	
Cyanide	0	0	0	1	1	1	3
Total	**0**	**0**	**0**	**30**	**5**	**9**	**44**

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	15	J
	1,4-Dioxane	15	J
	2-Butanone	15	J
	2-Chloroethylvinylether	14	J
	Acetone	15	J
	Acetonitrile	15	J
	Acrolein	15	J
	Acrylonitrile	15	J
	Isobutanol	15	J
	Methacrylonitrile	13	J
	Propionitrile	15	J
	trans-1,4-Dichloro-2-butene	15	J
SVOCs	4-Phenylenediamine	4	J
	Hexachlorocyclopentadiene	4	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%. Sample data for detect and non-detect compounds with %D values that exceeded the continuing calibration criteria were qualified as estimated (J). A summary of the compounds that exceeded the continuing calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	5	J
	2-Hexanone	5	J
	Acetonitrile	1	J
	Acrolein	12	J
	Bromomethane	2	J
	Chloroethane	3	J
	Chloromethane	5	J
	Isobutanol	8	J
SVOCs	2,4-Dinitrophenol	1	J
	2-Naphthylamine	1	J
	4,6-Dinitro-2-methylphenol	1	J
	4-Nitroquinoline-1-oxide	1	J
	4-Phenylenediamine	1	J
	Methapyrilene	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	Arsenic	3	J
	Chromium	3	J
	Copper	3	J
	Lead	3	J
	Nickel	3	J
	Silver	3	J
	Thallium	3	J
	Tin	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 less than 10% were qualified as rejected (R). The compounds that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	2-Chloroethylvinylether	1	R
SVOCs	Pyridine	1	J

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analysis recovery criteria for organics must be within the laboratory-generated QC acceptance limits specified on the LCS/LCSD reporting form. Organic sample results associated with the LCS/LCSD that exceeded laboratory-generated QC acceptance limits were qualified as estimated (J). The compounds that did not meet LCS/LCSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to LCS/LCSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	1	J
VOCs	Trichlorofluoromethane	1	J

LCS/LCSD sample analysis recovery criteria for organics require that the RPD between the LCS and LCSD recoveries be less than the laboratory-generated QC acceptance limits specified on the LCS/LCSD 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 LCS/LCSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Trichlorofluoromethane	5	J
SVOCs	1,2,4-Trichlorobenzene	1	J
	1,2-Dichlorobenzene	1	J
	1,3-Dichlorobenzene	1	J
	1,4-Dichlorobenzene	1	J
	1-Naphthylamine	1	J
	2,4,5-Trichlorophenol	1	J
	2,4,6-Trichlorophenol	1	J
	2,4-Dichlorophenol	1	J
	2,4-Dimethylphenol	1	J

Compounds Qualified Due to LCS/LCSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs (continued)	2,4-Dinitrophenol	1	J
	2,4-Dinitrotoluene	1	J
	2,6-Dinitrotoluene	1	J
	2-Chloronaphthalene	1	J
	2-Chlorophenol	1	J
	2-Methylnaphthalene	1	J
	2-Methylphenol	1	J
	2-Nitroaniline	1	J
	2-Nitrophenol	1	J
	3&4-Methylphenol	1	J
	3,3'-Dichlorobenzidine	1	J
	3-Nitroaniline	1	J
	4,6-Dinitro-2-methylphenol	1	J
	4-Bromophenyl-phenylether	1	J
	4-Chloro-3-Methylphenol	1	J
	4-Chloroaniline	1	J
	4-Chlorophenyl-phenylether	1	J
	4-Nitroaniline	1	J
	4-Nitrophenol	1	J
	Acenaphthene	1	J
	Acenaphthylene	1	J
	Anthracene	1	J
	Benzo(a)anthracene	1	J
	Benzo(a)pyrene	1	J
	Benzo(b)fluoranthene	1	J
	Benzo(g,h,i)perylene	1	J
	Benzo(k)fluoranthene	1	J
	Benzyl Alcohol	1	J
	bis(2-Chloroethoxy)methane	1	J
	bis(2-Chloroethyl)ether	1	J
	bis(2-Chloroisopropyl)ether	1	J
	bis(2-Ethylhexyl)phthalate	1	J
	Butylbenzylphthalate	1	J
	Chrysene	1	J
	Dibenzo(a,h)anthracene	1	J
	Dibenzofuran	1	J
	Diethylphthalate	1	J
	Dimethylphthalate	1	J
	Di-n-Butylphthalate	1	J
	Di-n-Octylphthalate	1	J
	Diphenylamine	1	J

Compounds Qualified Due to LCS/LCSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs (continued)	Fluoranthene	1	J
	Fluorene	1	J
	Hexachlorobenzene	1	J
	Hexachlorobutadiene	1	J
	Hexachlorocyclopentadiene	1	J
	Hexachloroethane	1	J
	Indeno(1,2,3-cd)pyrene	1	J
	Isophorone	1	J
	Naphthalene	1	J
	Nitrobenzene	1	J
	N-Nitroso-di-n-propylamine	1	J
	Pentachlorophenol	1	J
	Phenanthrene	1	J
	Phenol	1	J
	Pyrene	1	J
	Pyridine	1	J

Blank action levels for compounds/analytes detected in the blanks were calculated at five times the blank concentrations (blank action levels were calculated at 10 times the blank concentration for common laboratory contaminants). Detected sample results that were below the blank action level were qualified with a "U." The 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.

Compounds/Analytes Qualified Due to Blank Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Acetone	2	U
	Bromoform	1	U
	Dibromochloromethane	2	U
	Methylene Chloride	1	U
Inorganics	Arsenic	2	U
	Barium	2	U
	Cadmium	1	U
	Chromium	2	U
	Copper	2	U
	Lead	1	U
	Silver	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	5	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	99.9	A total of one sample result was 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, 4.7% of the data required qualification due to LCS/LCSD RPD deviations. None of the data required qualification due to laboratory duplicate RPD deviations, field duplicate RPD deviations, or MS/MSD 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, 15.9% of the data required qualification due to instrument calibration deviations, 0.59% of the data required qualification due to LCS/LCSD recoveries, 0.13% of the data required qualification due to MS/MSD recovery deviations, 1.6% of the data required qualification due to CRDL recovery deviations, and 2.7% of the data required qualification due to surrogate compound recovery deviations. None of the data required qualification due to internal standard recovery deviations.

5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in 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, none of the data required qualification due to 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 in April 2008 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 99.9% 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 Management Area 1 - Spring 2008

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											
G135-632	139R (Filtered)	4/3/2008	Water	Tier II	No						
G135-632	E2SC-23 (Filtered)	4/3/2008	Water	Tier II	No						
G135-634	GMA1-13 (Filtered)	4/7/2008	Water	Tier II	No						
G135-634	LS-29 (Filtered)	4/8/2008	Water	Tier II	No						
G135-634	LSSC-08S (Filtered)	4/8/2008	Water	Tier II	No						
G135-634	LSSC-18 (Filtered)	4/8/2008	Water	Tier II	No						
G135-635	ES1-27R (Filtered)	4/10/2008	Water	Tier II	No						
G135-635	GMA1-25 (Filtered)	4/9/2008	Water	Tier II	No						
G135-635	GMA1-27 (Filtered)	4/9/2008	Water	Tier II	No						
G135-635	HR-G3-MW-1 (Filtered)	4/10/2008	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1221	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1232	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1242	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1248	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1254	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1260	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
						Total PCBs	Surrogate Recovery	38.5%, 27.4%	40.0% to 140%	ND(0.000068) J	
G135-635	N2SC-07S (Filtered)	4/9/2008	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1221	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1232	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1242	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1248	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1254	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Aroclor-1260	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
						Total PCBs	Surrogate Recovery	25.4%, 32.9%	40.0% to 140%	ND(0.000067) J	
G135-635	RF-02 (Filtered)	4/10/2008	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1221	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1232	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1242	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1248	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1254	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1260	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
						Total PCBs	Surrogate Recovery	32.8%, 37.3%	40.0% to 140%	ND(0.000066) J	
G135-636	ES1-05 (Filtered)	4/11/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1221	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1232	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1242	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1248	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1254	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Aroclor-1260	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
						Total PCBs	LCS/LCSD %R	58.4%, 56.4%	70.0% to 130%	ND(0.000071) J	
G135-643	GMA1-RB-1 (Filtered)	4/17/2008	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1221	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1232	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1242	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1248	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1254	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Aroclor-1260	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
						Total PCBs	Surrogate Recovery	31.0%, 27.9%	40.0% to 140%	ND(0.000066) J	
G135-644	72R (Filtered)	4/17/2008	Water	Tier II	No						
G135-644	GMA1-18 (Filtered)	4/17/2008	Water	Tier II	No						
G135-644	GMA1-6 (Filtered)	4/17/2008	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1221	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1232	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1242	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1248	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1254	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Aroclor-1260	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
						Total PCBs	Surrogate Recovery	36.7%, 22.5%	40.0% to 140%	ND(0.000068) J	
G135-644	GMA1-DUP-2 (Filtered)	4/17/2008	Water	Tier II	No						Duplicate of 1-72R (Filtered)
G135-646	E2SC-24 (Filtered)	4/18/2008	Water	Tier II	No						

Table D-1
Analytical Data Validation Summary
Groundwater Management Area 1 - Spring 2008

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											
G135-643	GMA1-RB-1 (Filtered)	4/17/2008	Water	Tier II	Yes	Arsenic	CRDL Standard %R	125.0%	80% to 120%	0.00385 J	
						Chromium	CRDL Standard %R	124.0%	80% to 120%	0.00264 J	
						Copper	CRDL Standard %R	144.0%	80% to 120%	0.00405 J	
						Lead	CRDL Standard %R	123.0%	80% to 120%	0.00384 J	
						Nickel	CRDL Standard %R	78.6%	80% to 120%	ND(0.0100) J	
G135-643	GMA1-RB-1 (Filtered)	4/17/2008	Water	Tier II	Yes	Silver	CRDL Standard %R	131.0%	80% to 120%	0.00190 J	
						Thallium	CRDL Standard %R	177.0%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	154.0%	80% to 120%	0.0103 J	
G135-644	72R (Filtered)	4/17/2008	Water	Tier II	Yes	Arsenic	CRDL Standard %R	125.0%	80% to 120%	ND(0.0100) J	
						Arsenic	Rinse Blank	-	-	ND(0.0100)	
						Barium	Rinse Blank	-	-	ND(0.100)	
						Chromium	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
						Chromium	Rinse Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	144.0%	80% to 120%	ND(0.0100) J	
						Copper	Rinse Blank	-	-	ND(0.0100)	
						Lead	CRDL Standard %R	123.0%	80% to 120%	ND(0.0100) J	
						Nickel	CRDL Standard %R	78.6%	80% to 120%	ND(0.0100) J	
						Silver	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Silver	Rinse Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	177.0%	80% to 120%	0.00961 J	
						Tin	CRDL Standard %R	154.0%	80% to 120%	ND(0.0100) J	
G135-644	GMA1-DUP-2 (Filtered)	4/17/2008	Water	Tier II	Yes	Arsenic	CRDL Standard %R	125.0%	80% to 120%	ND(0.0100) J	Duplicate of 1-72R (Filtered)
						Arsenic	Rinse Blank	-	-	ND(0.0100)	
						Barium	Rinse Blank	-	-	ND(0.100)	
						Cadmium	Rinse Blank	-	-	ND(0.0100)	
						Chromium	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
						Chromium	Rinse Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	144.0%	80% to 120%	ND(0.0100) J	
						Copper	Rinse Blank	-	-	ND(0.0100)	
						Lead	CRDL Standard %R	123.0%	80% to 120%	ND(0.0100) J	
						Lead	Rinse Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	78.6%	80% to 120%	ND(0.0100) J	
						Silver	CRDL Standard %R	131.0%	80% to 120%	ND(0.0100) J	
						Silver	Rinse Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	177.0%	80% to 120%	0.0166 J	
						Tin	CRDL Standard %R	154.0%	80% to 120%	ND(0.0100) J	
VOCs											
G135-634	LS-MW-4R	4/8/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.007	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.034	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.019	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.008	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.012	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.030	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	35.5%	<25%	ND(0.0010) J	
						Chloroethane	CCAL %D	47.4%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.028	>0.05	ND(0.0050) J	

Table D-1
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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)											
G135-635	ES2-02A	4/10/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>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	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-635	GMA1-25	4/9/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>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	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
G135-635	GMA1-25	4/9/2008	Water	Tier II	Yes	2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetone	Trip Blank	-	-	ND(0.0050)	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Methylene Chloride	Trip Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-635	GMA1-27	4/9/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>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	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-635	LSSC-16S	4/8/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>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	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	

Table D-1
Analytical Data Validation Summary
Groundwater Management Area 1 - Spring 2008

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)											
G135-635	TripBlank	4/10/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>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	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	25.4%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0020 J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	50.0%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-636	3-6C-EB-14	4/11/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	Trip Blank	-	-	ND(0.0050)	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
G135-636	3-6C-EB-14	4/11/2008	Water	Tier II	Yes	Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-636	Trip Blank	4/11/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0043 J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-643	GMA1-RB-1	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0046 J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS %R	79.6%	80.5% to 130%	ND(0.0010) J	

Table D-1
Analytical Data Validation Summary
Groundwater Management Area 1 - Spring 2008

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)											
G135-644	72R	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Dibromochloromethane	Trip Blank	-	-	ND(0.0010)	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	
G135-644	GMA1-6	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
G135-644	GMA1-6	4/17/2008	Water	Tier II	Yes	Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	
G135-644	GMA1-DUP-2	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	Duplicate of 1-72R
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Bromoform	Trip Blank	-	-	ND(0.0010)	
						Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Dibromochloromethane	Trip Blank	-	-	ND(0.0010)	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	

Table D-1
Analytical Data Validation Summary
Groundwater Management Area 1 - Spring 2008

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)											
G135-644	TRIP BLANK	4/17/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0077 J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloromethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	
G135-646	ESA2S-64	4/18/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.024	>0.05	ND(0.050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(1.0) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.050) J	
						2-Chloroethylvinylether	ICAL RRF	0.019	>0.05	ND(0.13) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.050) J	
						Acetonitrile	ICAL RRF	0.010	>0.05	ND(0.20) J	
						Acetonitrile	CCAL %D	30.0%	<25%	ND(0.20) J	
						Acrolein	ICAL RRF	0.020	>0.05	ND(0.25) J	
						Acrylonitrile	ICAL RRF	0.034	>0.05	ND(0.25) J	
						Bromomethane	CCAL %D	46.3%	<25%	ND(0.010) J	
						Chloroethane	CCAL %D	59.4%	<25%	ND(0.010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.50) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.20) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.024	>0.05	ND(0.050) J	
G135-646	Trip Blank	4/18/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.009	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.014	>0.05	0.0031 J	
						Acetonitrile	ICAL RRF	0.005	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	35.7%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Chloroethane	CCAL %D	30.6%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	50.0%	<25%	ND(0.050) J	
						Methacrylonitrile	ICAL RRF	0.043	>0.05	ND(0.010) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.016	>0.05	ND(0.0050) J	
						Trichlorofluoromethane	LCS/LCSD RPD	31.9%	<30%	ND(0.0010) J	

Table D-1
Analytical Data Validation Summary
Groundwater Management Area 1 - Spring 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs											
G135-635	GMA1-25	4/9/2008	Water	Tier II	Yes	4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.042	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.025	>0.05	ND(0.0050) J	
						Methapyrilene	CCAL %D	141.6%	<25%	ND(0.0050) J	
G135-635	GMA1-27	4/9/2008	Water	Tier II	Yes	4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.042	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.025	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	141.6%	<25%	ND(0.0052) J	
						Pyridine	MSD %R	25.9%	50.0% to 150%	ND(0.0052) J	
G135-635	GMA1-DUP-1	4/9/2008	Water	Tier II	Yes	4-Phenylenediamine	ICAL RRF	0.032	>0.05	ND(0.010) J	Duplicate of GMA1-25
						Hexachlorocyclopentadiene	ICAL RRF	0.042	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.025	>0.05	ND(0.0050) J	
						Methapyrilene	CCAL %D	141.6%	<25%	ND(0.0050) J	
G135-643	GMA1-RB-1	4/17/2008	Water	Tier II	Yes	1,2,4-Trichlorobenzene	LCS/LCSD RPD	67.3%	<30%	ND(0.0050) J	Used original analysis
						1,2-Dichlorobenzene	LCS/LCSD RPD	70.2%	<30%	ND(0.0050) J	
						1,3-Dichlorobenzene	LCS/LCSD RPD	72.8%	<30%	ND(0.0050) J	
						1,4-Dichlorobenzene	LCS/LCSD RPD	70.1%	<30%	ND(0.0050) J	
						1-Naphthylamine	LCS/LCSD RPD	62.8%	<30%	ND(0.025) J	
						2,4,5-Trichlorophenol	LCS/LCSD RPD	69.5%	<30%	ND(0.0050) J	
						2,4,6-Trichlorophenol	LCS/LCSD RPD	72.8%	<30%	ND(0.0050) J	
						2,4-Dichlorophenol	LCS/LCSD RPD	79.1%	<30%	ND(0.0050) J	
						2,4-Dimethylphenol	LCS/LCSD RPD	55.6%	<30%	ND(0.0050) J	
						2,4-Dinitrophenol	CCAL %D	70.6%	<25%	ND(0.025) J	
						2,4-Dinitrophenol	LCS/LCSD RPD	65.6%	<30%	ND(0.025) J	
						2,4-Dinitrotoluene	LCS/LCSD RPD	56.4%	<30%	ND(0.0050) J	
						2,6-Dinitrotoluene	LCS/LCSD RPD	55.6%	<30%	ND(0.0050) J	
						2-Chloronaphthalene	LCS/LCSD RPD	60.0%	<30%	ND(0.0050) J	
						2-Chlorophenol	LCS/LCSD RPD	90.4%	<30%	ND(0.0050) J	
						2-Methylnaphthalene	LCS/LCSD RPD	63.0%	<30%	ND(0.0050) J	
						2-Methylphenol	LCS/LCSD RPD	69.6%	<30%	ND(0.0050) J	
						2-Naphthylamine	CCAL %D	70.2%	<25%	ND(0.025) J	
						2-Nitroaniline	LCS/LCSD RPD	57.1%	<30%	ND(0.0050) J	
						2-Nitrophenol	LCS/LCSD RPD	81.1%	<30%	ND(0.0050) J	
						3&4-Methylphenol	LCS/LCSD RPD	68.4%	<30%	ND(0.0050) J	
						3,3'-Dichlorobenzidine	LCS/LCSD RPD	64.2%	<30%	ND(0.010) J	
						3-Nitroaniline	LCS/LCSD RPD	63.9%	<30%	ND(0.025) J	
						4,6-Dinitro-2-methylphenol	CCAL %D	38.5%	<25%	ND(0.025) J	
						4,6-Dinitro-2-methylphenol	LCS/LCSD RPD	69.9%	<30%	ND(0.025) J	
						4-Bromophenyl-phenylether	LCS/LCSD RPD	58.5%	<30%	ND(0.0050) J	
						4-Chloro-3-Methylphenol	LCS/LCSD RPD	62.0%	<30%	ND(0.0050) J	
						4-Chloroaniline	LCS/LCSD RPD	67.9%	<30%	ND(0.025) J	
						4-Chlorophenyl-phenylether	LCS/LCSD RPD	54.9%	<30%	ND(0.0050) J	
						4-Nitroaniline	LCS/LCSD RPD	58.7%	<30%	ND(0.025) J	
						4-Nitrophenol	LCS/LCSD RPD	63.9%	<30%	ND(0.025) J	
						4-Nitroquinoline-1-oxide	CCAL %D	39.1%	<25%	ND(0.025) J	
						4-Phenylenediamine	ICAL RRF	0.033	>0.05	ND(0.010) J	
						4-Phenylenediamine	CCAL %D	26.3%	<25%	ND(0.010) J	
						Acenaphthene	LCS/LCSD RPD	59.7%	<30%	ND(0.0050) J	
						Acenaphthylene	LCS/LCSD RPD	58.2%	<30%	ND(0.0050) J	
						Anthracene	LCS/LCSD RPD	54.1%	<30%	ND(0.0050) J	
						Benzo(a)anthracene	LCS/LCSD RPD	54.5%	<30%	ND(0.0050) J	
						Benzo(a)pyrene	LCS/LCSD RPD	56.3%	<30%	ND(0.0050) J	
						Benzo(b)fluoranthene	LCS/LCSD RPD	53.0%	<30%	ND(0.0050) J	
						Benzo(g,h,i)perylene	LCS/LCSD RPD	48.5%	<30%	ND(0.0050) J	
						Benzo(k)fluoranthene	LCS/LCSD RPD	55.0%	<30%	ND(0.0050) J	
						Benzyl Alcohol	LCS/LCSD RPD	69.3%	<30%	ND(0.010) J	
						bis(2-Chloroethoxy)methane	LCS/LCSD RPD	65.8%	<30%	ND(0.0050) J	
						bis(2-Chloroethyl)ether	LCS/LCSD RPD	73.0%	<30%	ND(0.0050) J	
						bis(2-Chloroisopropyl)ether	LCS/LCSD RPD	70.8%	<30%	ND(0.0050) J	
						bis(2-Ethylhexyl)phthalate	LCS/LCSD RPD	54.0%	<30%	ND(0.0050) J	
						Butylbenzylphthalate	LCS/LCSD RPD	54.6%	<30%	ND(0.0050) J	
						Chrysene	LCS/LCSD RPD	54.0%	<30%	ND(0.0050) J	
						Dibenzo(a,h)anthracene	LCS/LCSD RPD	53.9%	<30%	ND(0.0050) J	
						Dibenzofuran	LCS/LCSD RPD	58.0%	<30%	ND(0.0050) J	
						Diethylphthalate	LCS/LCSD RPD	57.2%	<30%	ND(0.0050) J	
						Dimethylphthalate	LCS/LCSD RPD	56.7%	<30%	ND(0.0050) J	

Table D-1
Analytical Data Validation Summary
Groundwater Management Area 1 - Spring 2008

General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
G135-643	GMA1-RB-1	4/17/2008	Water	Tier II	Yes	Di-n-Butylphthalate	LCS/LCSD RPD	55.9%	<30%	ND(0.0050) J	
						Di-n-Octylphthalate	LCS/LCSD RPD	55.1%	<30%	ND(0.0050) J	
						Diphenylamine	LCS/LCSD RPD	59.2%	<30%	ND(0.0050) J	
						Fluoranthene	LCS/LCSD RPD	56.6%	<30%	ND(0.0050) J	
						Fluorene	LCS/LCSD RPD	57.1%	<30%	ND(0.0050) J	
						Hexachlorobenzene	LCS/LCSD RPD	60.5%	<30%	ND(0.0050) J	
						Hexachlorobutadiene	LCS/LCSD RPD	68.3%	<30%	ND(0.0050) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.018	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	LCS/LCSD RPD	54.3%	<30%	ND(0.010) J	
						Hexachloroethane	LCS/LCSD RPD	72.0%	<30%	ND(0.0050) J	
						Hexachlorophene	ICAL RRF	0.019	>0.05	ND(0.0050) J	
						Indeno(1,2,3-cd)pyrene	LCS/LCSD RPD	53.5%	<30%	ND(0.0050) J	
						Isophorone	LCS/LCSD RPD	65.5%	<30%	ND(0.0050) J	
						Methapyrilene	CCAL %D	140.0%	<25%	ND(0.0050) J	
						Naphthalene	LCS/LCSD RPD	65.9%	<30%	ND(0.0050) J	
						Nitrobenzene	LCS/LCSD RPD	66.2%	<30%	ND(0.0050) J	
						N-Nitroso-di-n-propylamine	LCS/LCSD RPD	65.9%	<30%	ND(0.0050) J	
						Pentachlorophenol	LCS/LCSD RPD	42.5%	<30%	ND(0.025) J	
						Phenanthrene	LCS/LCSD RPD	57.6%	<30%	ND(0.0050) J	
						Phenol	LCS/LCSD RPD	83.3%	<30%	ND(0.0050) J	
						Pyrene	LCS/LCSD RPD	54.7%	<30%	ND(0.0050) J	
						Pyridine	LCS/LCSD RPD	69.8%	<30%	ND(0.0050) J	
Cyanide-MADEP (PAC)											
G135-643	GMA1-RB-1 (Filtered)	4/17/2008	Water	Tier II	No						
G135-644	72R (Filtered)	4/17/2008	Water	Tier II	No						
G135-644	GMA1-DUP-2 (Filtered)	4/17/2008	Water	Tier II	No						Duplicate of 1-72R (Filtered)

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 February 11, 2008

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	1.6	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	NR	NR	Departure readings Tanks E on arrival (D)
9/10/07	NA	NA	3	6	NA	NA	3	4	1.5	4	7.5	100	160	Departure readings
9/25/07	NA	NA	3	5	NA	NA	3	4	1.5	4	7.5	0	30	Departure readings
10/9/07	NA	NA	3	6	NA	NA	3	4	1	2	7	112	132	
10/23/07	NA	NA	4	6	NA	NA	4	6	1.5	4	9.5	NR	NR	Departure readings (D)
11/5/07	NA	NA	2	6	NA	NA	2.5	4	1	2	5.5	140	173	
11/19/07	NA	NA	3	6	NA	NA	3	7	1.5	2	7.5	200	186	Departure readings (D)
12/3/07	NA	NA	1	6	NA	NA	1.5	4	0.5	3	3	15	29	
12/17/07	NA	NA	1	6	NA	NA	0.5	2	0.1	2	1.6	10	30	Tanks changed prior to departure (D)
1/2/08	NA	NA	2	6	NA	NA	1.5	3	1	3	4.5	140	132	
1/14/08	NA	NA	3	6	NA	NA	3	5	1.5	4	7.5	145	178	Tanks changed Departure readings (D)
1/29/08	NA	NA	3	6	NA	NA	3	4	1	2	7	95	75	
2/11/08	NA	NA	NR	NR	NA	NA	NR	NR	NR	NR	NA	NR	NR	System shut down to monitor rebound

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 February 11, 2008

Date	Oxygen Sparge Legs										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	NR	NR	Departure readings Tanks E on arrival (D)
9/10/07	3	5	1.5	5	NA	NA	NA	NA	1	8	5.5	100	160	Departure readings
9/25/07	3	4	1.5	4	NA	NA	NA	NA	0	10	4.5	95	240	Departure readings
10/9/07	2.5	4	1	4	NA	NA	NA	NA	0	8	3.5	112	132	
10/23/07	3	2	1.5	4	NA	NA	NA	NA	3	1	7.5	NR	NR	Departure readings (D)
11/5/07	3	4	1	5	NA	NA	NA	NA	0.1	10	4.1	140	173	
11/19/07	3	5	1.5	6	NA	NA	NA	NA	0.1	15	4.6	200	186	Departure readings (D)
12/3/07	1	4	0.5	3	NA	NA	NA	NA	0.3	5	1.8	15	29	
12/17/07	1	4	0.1	4	NA	NA	NA	NA	0.5	4	1.6	240	225	Tank readings on departure (D)
1/2/08	2	5	1.5	5	NA	NA	NA	NA	0.2	10	3.7	140	132	
1/14/08	3	5	1.5	4	NA	NA	NA	NA	1	10	5.5	145	178	Departure readings (D)
1/29/08	2	4	1	4	NA	NA	NA	NA	0.5	10	3.5	95	75	
2/11/08	NR	NR	NR	NR	NA	NA	NA	NA	NR	NR	NA	NR	NR	System shut down to monitor rebound

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
	10/4/07	12.74	84.28	7.45	743	4.49	88	3.81	27.3	<0.03
	3/11/08	9.82	87.20	7.37	708	4.06	160	3.35	25.9	<0.03
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
	9/10/07	13.32	84.28	7.72	NM	12.07	-61.6	NS	NS	NS
	9/25/07	13.39	84.21	7.69	NM	7.23	-73.5	NS	NS	NS
	10/4/07	13.50	84.10	6.55	1436	1.34	-73.0	NS	NS	NS
	10/9/07	13.54	84.06	6.07	NM	1.97	-308.7	NS	NS	NS
	10/22/07	13.29	84.31	6.81	NM	5.91	-51.9	NS	NS	NS
	11/5/07	13.13	84.47	7.41	NM	9.97	-24.2	NS	NS	NS
	11/19/07	12.84	84.76	6.71	NM	4.31	-50.1	NS	NS	NS
	12/3/07	13.83	83.77	7.06	NM	9.75	-199.7	NS	NS	NS
	12/17/07	12.94	84.66	7.06	NM	8.15	-111.5	NS	NS	NS
	1/2/08	12.42	85.18	6.46	NM	6.47	-139.1	NS	NS	NS
	1/14/08	12.03	85.57	6.41	NM	7.01	-130.4	NS	NS	NS
	1/29/08	12.41	85.19	6.36	NM	9.21	61.5	NS	NS	NS
	2/11/08	12.23	85.37	NM	NM	NM	NM	NS	NS	NS
	3/11/08	10.38	87.22	6.47	245	4.21	61	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.

* indicates these wells are sampled for secondary MNA parameters. ** Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

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-3** 97.95 *97.76*	11/8/99	NA	NA	NA	NA	NA	NA	NS	NS	NS
	12/19/02	NA	NA	NA	NA	NA	NA	NS	NS	NS
	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
	9/10/07	13.55	84.21	7.58	NM	9.23	-48.2	NS	NS	NS
	9/25/07	13.63	84.13	7.55	NM	7.23	-50.1	NS	NS	NS
	10/4/07	13.73	84.03	7.04	800	5.31	-99.0	<0.1	37.8	5.21
	10/9/07	13.77	83.99	6.47	NM	5.10	-329.9	NS	NS	NS
	10/22/07	13.50	84.26	7.63	NM	4.38	-50.3	NS	NS	NS
	11/5/07	13.36	84.40	7.88	NM	7.21	-42.7	NS	NS	NS
	11/19/07	13.09	84.67	7.52	NM	3.71	-48.5	NS	NS	NS
	12/3/07	13.04	84.72	7.21	NM	7.07	-127.1	NS	NS	NS
	12/17/07	13.18	84.58	7.17	NM	7.01	-125.1	NS	NS	NS
	1/2/08	12.71	85.05	6.17	NM	5.21	41.4	NS	NS	NS
	1/14/08	12.24	85.52	6.09	NM	5.02	40.1	NS	NS	NS
	1/29/08	12.64	85.12	7.12	NM	8.75	8.2	NS	NS	NS
	2/11/08	12.27	85.49	NM	NM	NM	NM	NS	NS	NS
	3/11/08	10.68	87.08	7.12	932	2.97	-77	<0.5	27.1	2.08

NOTES:

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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
	9/10/07	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	9/25/07	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	10/4/07	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	10/9/07	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	10/22/07	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	11/5/07	12.62	84.13	NM	NM	NM	NM	NS	NS	NS
	11/19/07	12.31	84.44	NM	NM	NM	NM	NS	NS	NS
	12/3/07	12.31	84.44	NM	NM	NM	NM	NS	NS	NS
	12/17/07	NG	NG	NM	NM	NM	NM	NS	NS	NS
	1/2/08	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	1/14/08	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	1/29/08	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	2/11/08	DRY	*96.75*	NM	NM	NM	NM	NS	NS	NS
	3/11/08	9.93	86.82	6.78	887	9.81	92	NS	NS	NS

NOTES:

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

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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-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
	10/4/07	13.57	82.77	7.30	813	3.98	82	NS	NS	NS
	3/11/08	10.54	85.80	7.10	834	1.52	105	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
	10/4/07	12.46	83.88	6.87	947	1.20	-4.0	NS	NS	NS
	3/11/08	10.44	85.90	6.04	1408	0.35	83.0	22.8	252	30.6
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
	10/4/07	10.41	85.13	6.58	1,089	0.39	9	NS	NS	NS

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97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. **Bold** date denotes a groundwater sampling event.
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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
	9/10/07	11.26	84.18	7.30	NM	9.71	-14.5	NS	NS	NS
	9/25/07	11.35	84.08	7.28	NM	7.10	-17.1	NS	NS	NS
	10/4/07	11.45	83.98	6.41	1,580	0.54	96.0	NS	NS	NS
	10/9/07	11.48	83.95	6.16	NM	2.85	-301.2	NS	NS	NS
	10/22/07	11.22	84.21	7.04	NM	4.01	-22.5	NS	NS	NS
	11/5/07	11.05	84.38	7.08	NM	3.01	39.9	NS	NS	NS
	11/19/07	10.79	84.64	7.03	NM	3.85	-25.2	NS	NS	NS
	12/3/07	9.74	85.69	7.01	NM	2.98	38.4	NS	NS	NS
	12/17/07	NG	NG	NM	NM	NM	NM	NS	NS	NS
	1/2/08	NG	NG	NM	NM	NM	NM	NS	NS	NS
	1/14/08	NG	NG	NM	NM	NM	NM	NS	NS	NS
	1/29/08	10.31	85.12	6.42	NM	4.51	73.0	NS	NS	NS
	2/11/08	NG	NG	NM	NM	NM	NM	NS	NS	NS
	3/11/08	NG	NG	NM	NM	NM	NM	NS	NS	NS

NOTES:

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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
	10/4/07	11.79	83.20	6.69	1,478	1.11	-94.0	<0.1	8.05	47.1
	3/11/08	8.63	86.36	6.75	1,217	0.32	12.0	<0.1	36.2	6.76
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
	10/4/07	10.18	85.57	6.60	1,570	0.36	15.0	NS	NS	NS
	3/11/08	5.74	90.01	6.58	930	0.51	82.0	3.84	27.20	1.20
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
	9/10/07	12.29	84.41	7.28	NM	5.81	-41.1	NS	NS	NS
	9/25/07	12.36	84.34	7.26	NM	5.23	-42.3	NS	NS	NS
	10/4/07	12.47	84.23	6.64	1,176	1.07	-11.0	NS	NS	NS
	10/9/07	12.52	84.18	6.91	NM	5.33	-306.3	NS	NS	NS
	10/22/07	12.26	84.44	7.91	NM	4.20	-64.1	NS	NS	NS
	11/5/07	12.10	84.60	7.56	NM	2.80	-15.1	NS	NS	NS
	11/19/07	11.82	84.88	7.82	NM	4.07	-69.7	NS	NS	NS
	12/3/07	12.79	83.91	7.31	NM	2.68	-98.1	NS	NS	NS
	12/17/07	11.93	84.77	7.03	NM	2.97	-91.5	NS	NS	NS
	1/2/08	11.40	85.30	6.61	NM	4.95	-96.2	NS	NS	NS
	1/14/08	11.01	85.69	6.60	NM	4.52	-65.7	NS	NS	NS
	1/29/08	11.34	85.36	7.11	NM	5.47	20.9	NS	NS	NS
	2/11/08	11.19	85.51	NM	NM	NM	NM	NS	NS	NS
	3/11/08	9.36	87.34	6.88	1,601	0.86	-25.0	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.

* indicates these wells are sampled for secondary MNA parameters. **Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation

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
	9/10/07	11.87	84.28	7.26	NM	5.96	-68.2	NS	NS	NS
	9/25/07	11.95	84.20	7.23	NM	5.30	-69.9	NS	NS	NS
	10/4/07	12.04	84.66	6.71	1,740	1.11	-86.0	<0.1	10.0	21.3
	10/9/07	12.08	84.62	6.71	NM	4.22	-300.4	NS	NS	NS
	10/22/07	11.82	84.88	7.42	NM	3.31	-40.7	NS	NS	NS
	11/5/07	11.66	85.04	7.47	NM	6.90	-99.2	NS	NS	NS
	11/19/07	11.38	85.32	7.34	NM	2.97	-39.5	NS	NS	NS
	12/3/07	12.87	83.83	7.49	NM	6.95	-111.5	NS	NS	NS
	12/17/07	11.47	85.23	7.49	NM	6.51	-110.1	NS	NS	NS
	1/2/08	10.97	85.73	6.52	NM	6.51	-76.1	NS	NS	NS
	1/14/08	10.59	86.11	6.59	NM	6.01	-71.5	NS	NS	NS
	1/29/08	10.92	85.78	6.85	NM	6.38	16.1	NS	NS	NS
	2/11/08	10.82	85.88	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.

* indicates these wells are sampled for secondary MNA parameters. **Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

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-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
	9/10/07	13.45	84.21	7.73	NM	7.28	-83.8	NS	NS	NS
	9/25/07	13.52	84.14	7.72	NM	7.10	-86.7	NS	NS	NS
	10/4/07	13.64	84.02	7.22	937	0.53	-53.0	NS	NS	NS
	10/9/07	13.67	83.99	6.61	NM	3.41	-268.4	NS	NS	NS
	10/22/07	13.38	84.28	7.52	NM	4.81	-46.2	NS	NS	NS
	11/5/07	13.20	84.46	7.13	NM	8.19	-37.1	NS	NS	NS
	11/19/07	12.92	84.74	7.45	NM	4.02	-45.5	NS	NS	NS
	12/3/07	12.87	84.79	7.07	NM	8.12	-102.4	NS	NS	NS
	12/17/07	13.01	84.65	7.19	NM	7.15	-102.5	NS	NS	NS
	1/2/08	12.54	85.12	6.01	NM	5.10	39.8	NS	NS	NS
	1/14/08	12.06	85.60	6.05	NM	5.04	42.3	NS	NS	NS
	1/29/08	12.53	85.13	7.01	NM	8.13	-11.3	NS	NS	NS
	2/11/08	12.34	85.32	NM	NM	NM	NM	NS	NS	NS
	3/11/08	10.80	86.86	7.27	905	3.52	-39	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.

* indicates these wells are sampled for secondary MNA parameters. **Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

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-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
	10/4/07	11.35	84.90	6.90	1,720	1.21	-81	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
	10/4/07	11.91	84.54	6.24	1,082	0.90	80	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.
* indicates these wells are sampled for secondary MNA parameters. **Wells ECS-2, ECS-3, ECS-4, ECS-8, ECS-11, ECS-12, and ECS-13 are within O2 remediation zone and therefore have biweekly geochemical readings.

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

Table 3 (1 of 4)
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)
Revised MCP Method 1 Standards*			GW-2:	2000	50000	20000	9000	NA	1000	50000	3	5	7
			GW-3:	10000	40000	5000	5000	NA	20000	50000	50	50	50
ECS-1	11/8/99	11.48	85.71	<5.0	<5.0	<5.0	<10	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	<10	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	<10	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	<10	ND	<5.0	6.5	0.263	<0.025	<0.025
	4/11/06	11.38	85.78	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	11.72	85.44	<5.0	<5.0	<5.0	<10	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	<10	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
	10/4/07	12.74	84.42	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	3/11/08	9.82	87.34	<5.0	<5.0	<5.0	<10	ND	<5.0	8.5	<0.075	<0.025	<0.025
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
	10/4/07	13.50	84.10	8.2	<5.0	247	399	654	66.7	350	1.53	0.544	1.19
	3/11/08	10.38	87.22	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	0.623	<0.025	<0.025
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
	10/3/07	13.73	84.03	<5.0	<5.0	52.7	131.9	185	8.6	<5.0	0.403	0.115	0.180
	3/11/08	10.68	87.08	<5.0	29.4	342	618	989	27.6	<5.0	0.812	0.291	0.735
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	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	11.96	84.79	<5.0	<5.0	<5.0	<10	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	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	10/4/07	NM	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/11/08	9.93	86.82	<5.0	<5.0	<5.0	<10	ND	<5.0	29.1	<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) revised on Feburary 14, 2008. *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 4)
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)
*Revised MCP Method 1 Standards			GW-2:	2,000	50,000	20,000	9,000	NA	1,000	50,000	3.0	5.0	7.0
			GW-3:	10,000	40,000	5,000	5,000	NA	20,000	50,000	50.0	50.0	50.0
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
	10/4/07	13.57	83.99	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	0.0735
	3/11/08	10.54	87.02	<5.0	<5.0	9.5	35.7	45.2	7.8	<5.0	0.335	0.156	0.430
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	363	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
	10/4/07	12.46	83.88	<5.0	<5.0	<5.0	<10.0	ND	<5.0	24.8	0.194	0.0621	0.0638
	3/11/08	9.43	86.91	<25	<25	545	2,054	2,599	111.0	376.0	2.38	1.1600	2.9100
ECS-7	2/13/03	10.14	85.83	<5.0	<5.0	<5.0	<10	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	<10	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	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/10/06	9.90	85.64	<5.0	<5.0	<5.0	<10	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
	10/4/07	10.41	85.13	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	3/11/08	9.24	86.30	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	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.43	9/8/05D	NG	NA	<5.0	<5.0	<5.0	<10	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	<10	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
	10/4/07	11.45	83.98	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	3/11/08	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	3/24/08	8.56	86.87	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	

NOTES: Depth to water in feet from PVC.
Elevation of PVC in feet.
t = 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) revised on Feburary 14, 2008.
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 (3 of 4)
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)
*Revised MCP Method 1 Standards			GW-2:	2,000	50,000	20,000	9,000	NA	1,000	50,000	3.0	5.0	7.0
			GW-3:	10,000	40,000	5,000	5,000	NA	20,000	50,000	50.0	50.0	50.0
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
	10/4/07	11.79	83.20	<50	<50	<50	<100	ND	<50	4,260	<0.75	0.399	1.290
	3/11/08	8.63	86.36	5.6	<5.0	<5.0	38.7	44	11.6	666	<0.075	0.140	0.400
ECS-10	2/13/03	10.11	85.79	<5.0	<5.0	<5.0	<10	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	<10	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	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/10/06	9.52	86.23	<5.0	<5.0	<5.0	<10	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
	10/4/07	10.18	85.57	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	3/11/08	5.74	90.01	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
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	<10.0	ND	<5.0	277	0.226	<0.025	0.029
	7/20/06	11.31	85.39	<5.0	<5.0	<5.0	<10.0	ND	<5.0	243	0.164	<0.025	0.025
	10/10/06	11.81	84.89	<5.0	<5.0	<5.0	<10.0	ND	<5.0	598	0.261	0.047	0.077
	1/25/07	10.98	85.72	<5.0	<5.0	<5.0	<10.0	ND	<5.0	359	0.133	<0.025	0.041
	4/24/07	9.35	87.35	5.8	5.1	<5.0	<10.0	10.9	<5.0	628	0.369	<0.025	0.026
	10/4/07	12.47	84.23	5	<5.0	<5.0	<10.0	5.0	<5.0	207	0.899	0.124	0.072
	3/11/08	9.36	87.34	14.5	<5.0	<5.0	<10.0	14.5	6.9	387	0.982	0.029	0.093
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	62.5	54.5	<5.0	2.06	1.46	2.88
	10/4/07	12.04	84.11	5.7	<5.0	12.2	30.3	48.2	54	<5.0	2.88	1.44	3.44
	10/4/07D	12.04	84.11	<5.0	<5.0	10.7	29.9	40.6	46.9	<5.0	2.21	1.10	2.74
	3/11/08	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	3/24/08	9.15	87.00	<10	<10	17.1	67.9	85.0	60	<10	2.20	1.76	1.95
	3/24/08D	9.15	87.00	<10	<10	24.5	78.7	103.2	76	<10	2.39	2.33	2.68

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).
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 (4 of 4)
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)
*Revised MCP Method 1 Standards			GW-2:	2,000	50,000	20,000	9,000	NA	1,000	50,000	3.0	5.0	7.0
			GW-3:	10,000	40,000	5,000	5,000	NA	20,000	50,000	50.0	50.0	50.0
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	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	1/25/07	12.18	85.48	<5.0	<5.0	<5.0	<10	ND	<5.0	36.3	<0.075	<0.025	<0.025
	4/24/07	10.51	87.15	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	10/4/07	13.64	84.02	<5.0	11.1	451	206.3	668	33.0	<5.0	0.598	0.434	1.29
	3/11/08	10.80	86.86	<5.0	<5.0	266	22.9	289	11.4	<5.0	0.500	0.345	0.704
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
	10/4/07	11.35	84.90	7.2	5.0	<5.0	42.8	55	57.6	<5.0	2.32	0.710	1.22
	3/11/08	8.80	87.45	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	<10	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
	10/4/07	11.91	84.54	<5.0	<5.0	<5.0	<10	ND	<5.0	52.7	<0.075	<0.025	<0.025
	3/11/08	9.92	86.53	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS

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

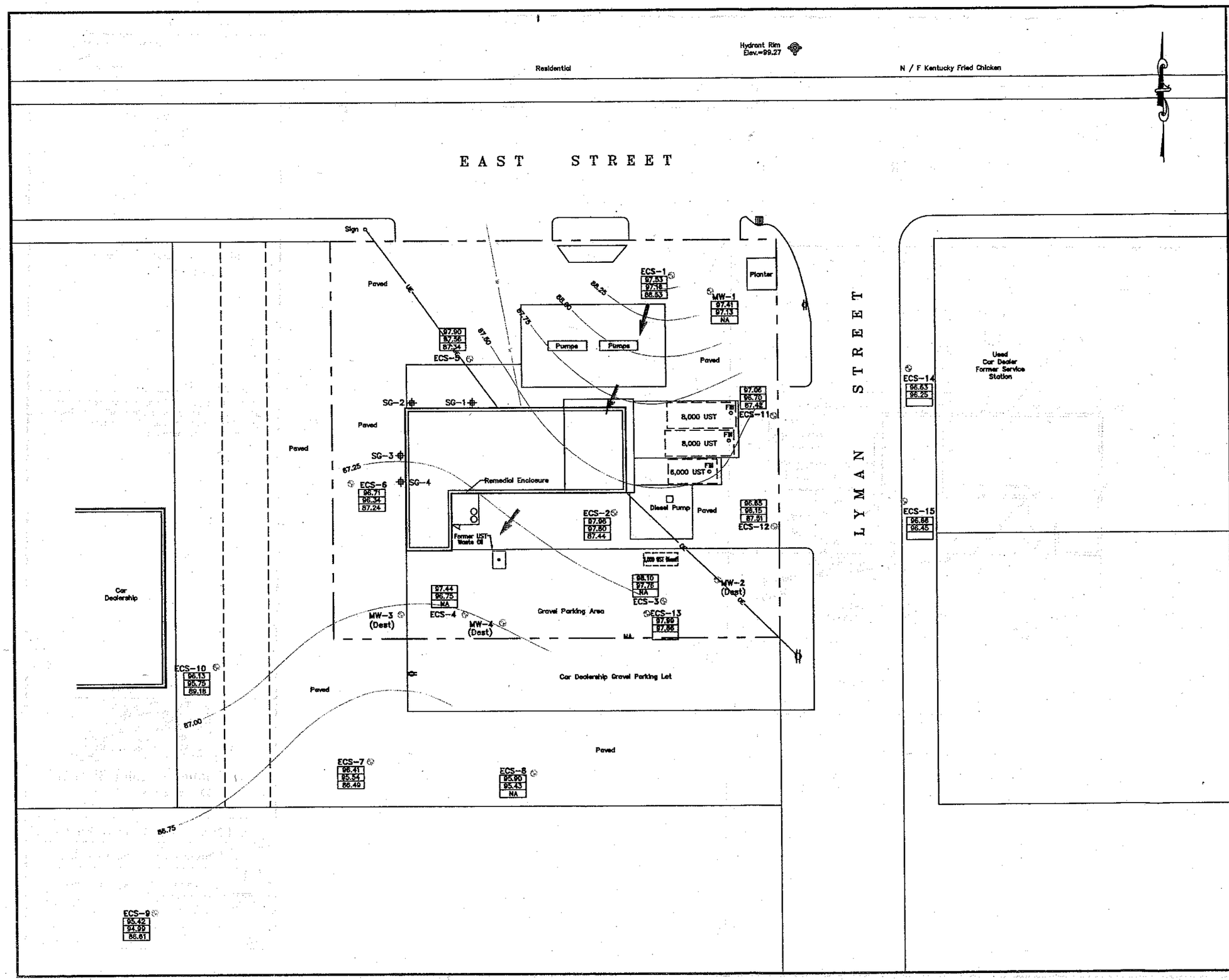
ft = feet. µg/L = micrograms per liter. mg/L = millograms per liter. NA = Not applicable/available.

*MCP Method 1 Standards as set forth by 310 CMR 40.0974(2) revised on Feburary 14, 2008.

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
- SS Sanitary Sewer Line
- SD Storm Sewer Line
- W Water Line
- NG Natural Gas Line
- OE Overhead Electric Line
- MH Manhole
- Catchbasin
- Water Gate
- Fire Hydrant
- Utility Pole
- Soil Gas Point
- Monitoring Well
- ECS-1 Well I.D.
- 98.94 Rim Elevation
- 98.80 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:
0' Connell's Mobil Station
730 East Street – Route 9
Pittsfield, Massachusetts

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

CLIENT:
0' Connell Oil Associates, Inc.

GRAPHIC SCALE: 30 15 0 15 30

COMPUTER CADFILE : S13632R.DWG

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
RAS	CPP	CPP	JN
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
1"=30	Dec, 2007	J13632	3