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Transmitted Via Overnight Courier

February 27, 2008

Mr. Richard Hull
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 4 (GECD340)
Groundwater Quality Monitoring Interim Report for Fall 2007

Dear Mr. Hull:

Enclosed is the *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Fall 2007.* This report summarizes activities performed at Groundwater Management Area (GMA) 4 (also known as the Plant Site 3 GMA) during fall 2007, and presents the results of the latest round of sampling and analysis of groundwater performed as part of the interim monitoring program for GMA 4. These activities also include sampling performed in conjunction with GE's operation of two On-Plant Consolidation Areas within GMA 4, as well as select sampling conducted by Pittsfield Generating Company, L.P. in association with its existing permitted program. Upgradient groundwater elevation data collected by EPA at the adjacent Allendale School property in fall 2007 are also summarized in this report.

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

Sincerely,

Richard W. Gates
Remediation Project Manager

Enclosure
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General Electric Company
Pittsfield, Massachusetts

Groundwater Management Area 4
Groundwater Quality Monitoring
Interim Report for Fall 2007

February 2008

ARCADIS

Groundwater Management Area 4 – Groundwater Quality Monitoring Interim Report for Fall 2007

General Electric Company
Pittsfield, Massachusetts

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February 2008

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Appendices

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 3 Groundwater Management Area, also known as and referred to herein as GMA 4.

On July 23, 2001, GE submitted the *Baseline Monitoring Program Proposal for Plant Site 3 Groundwater Management Area* (GMA 4 Baseline Monitoring Proposal). The GMA 4 Baseline Monitoring Proposal summarized the hydrogeologic information available at that time for GMA 4 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 4 Baseline Monitoring Proposal by letter of December 28, 2001. Thereafter, certain modifications were made to the GMA 4 baseline monitoring program as a result of EPA approval conditions and/or findings during field reconnaissance of the selected monitoring locations. These modifications were documented in a February 21, 2002 *Addendum to the Baseline Monitoring Program Proposal for Plant Site 3 Groundwater Management Area* (GMA 4 Baseline Monitoring Proposal Addendum), conditionally approved by EPA on April 18, 2002.

The baseline monitoring program, which was initiated in the spring of 2002, consisted of four semi-annual groundwater quality sampling events followed by the preparation and submittal of reports summarizing the groundwater monitoring results and, as appropriate,

proposal of modifications to the monitoring program based on the results obtained from each event. The fourth baseline monitoring report for GMA 4, titled *Groundwater Management Area 4 Baseline Groundwater Quality Interim Report for Fall 2003* (Fall 2003 GMA 4 Groundwater Quality Report), was submitted to EPA on January 30, 2004. 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 within 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 4 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 Fall 2003 GMA 4 Groundwater Quality Report contained such a proposal to modify and extend baseline groundwater quality monitoring activities at GMA 4 (under a program referred to as an interim monitoring program) until such time as the soil-related Removal Actions at the GMA 4 RAAs are completed and the specific components of a long-term groundwater quality monitoring program are determined. EPA conditionally approved the Fall 2003 GMA 4 Groundwater Quality Report by letter dated May 19, 2004. Under the approved interim monitoring program, semi-annual or annual water quality sampling (alternating between the spring and fall seasons) and periodic water level monitoring at selected GMA 4 wells was initiated in spring 2004, as documented in the *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2004* (Spring 2004 Groundwater Quality Report), approved by EPA in a letter dated November 12, 2004.

As part of the interim 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. This *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Fall 2007* (Fall 2007 Groundwater Quality Report) presents the results of groundwater sampling activities performed at GMA 4 during October and November 2007, as well as other groundwater-related activities performed at this GMA between July and December 2007.

1.2 Background Information

GMA 4 is located within the mid-eastern portion of the GE Plant Area and encompasses the Hill 78 and Building 71 On-Plant Consolidation Areas (OPCAs), the Hill 78-Remainder RAA, and the portion of the Unkamet Brook Area RAA (as defined in the CD and SOW) located to the west of Plastics Avenue. GMA 4 occupies an area of approximately 80 acres, generally bounded by Tyler Street/Tyler Street Extension to the north, Merrill Road to the south,

Plastics Avenue to the east, and New York Avenue to the west, as illustrated on Figure 2. The Hill 78 and Building 71 OPCAs are located within the central portion of this GMA, which also contains a generating facility operated for Pittsfield Generating Company, L.P. (PGC) under a lease with GE. The eastern portion of this GMA is mostly paved or covered by Buildings OP-1 and OP-2, which contain operations of General Dynamics Corporation conducted under contract with the U.S. Department of the Navy. (GE continues to own the land beneath those buildings.)

GE has performed several activities to select, design, and utilize the Hill 78 and Building 71 OPCAs within GMA 4. Upon completion, the final cover for the Hill 78 OPCA will encompass an area of approximately 6.0 acres of the northern, central section of the site along Tyler Street. The Building 71 OPCA lies directly east and adjacent to this area, and the final cover will occupy an area of approximately 4.4 acres. Consolidation activities and the final closure of the Building 71 OPCA were completed in October 2006, while the Hill 78 OPCA continues to be used by GE and EPA for the permanent consolidation of materials (soil, sediment, demolition debris, etc.) removed during response actions and building demolition activities conducted at the GE plant and several other areas around Pittsfield that are included within the GE-Pittsfield/Housatonic River Site. The nature and scope of the required response actions at the Site, including provisions relating to use of the OPCAs, were established in the CD. In connection with the design of the OPCAs, GE developed a groundwater monitoring program consisting of a baseline groundwater investigation, groundwater monitoring during operation of the OPCAs, and future groundwater monitoring during the post-closure period. The primary objectives of the OPCA groundwater monitoring program are to:

- Periodically (on a semi-annual basis) assess groundwater conditions near the OPCAs;
- Compare current conditions with those observed during previous monitoring activities; and
- Identify potential changes in groundwater conditions that may be related to the consolidation activities.

GE performed the initial OPCA-related baseline groundwater investigations between June 14 and 17, 1999, prior to the commencement of consolidation activities. That baseline groundwater investigation originally involved sampling and analysis of 12 monitoring wells (78-1, 78-6, H78B-15, NY-4, and OPCA-MW-1 through OPCA-MW-8) to provide spatial representation on all sides of the OPCAs (i.e., upgradient, downgradient, and cross-gradient). Groundwater samples obtained from these 12 wells were analyzed for PCBs and

other constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides) plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3). As discussed below in Section 4.3.4, the analytical results from that baseline investigation along with the results from groundwater sampling events conducted during the past year for the OPCA monitoring program wells are presented in Table B-1 in Appendix B of this report.

Following EPA's January 2, 2001 conditional approval of the OPCA groundwater monitoring program, GE initiated the semi-annual groundwater monitoring program for the OPCAs to be performed in the spring and fall of each year. That program included groundwater level measurements, groundwater sampling, and laboratory analyses for the 12 monitoring wells utilized in the OPCA baseline investigation, followed by preparation of a summary report. Two sampling events were conducted under the OPCA groundwater monitoring program (i.e., spring 2001 and fall 2001) prior to initiation of the overall GMA 4 baseline monitoring program, at which point the OPCA-related groundwater monitoring activities were incorporated into the other groundwater monitoring activities conducted for GMA 4.

As set forth in the GMA 4 Baseline Monitoring Proposal and GMA 4 Baseline Monitoring Proposal Addendum, the baseline monitoring program at this GMA initially involved a total of 31 monitoring wells, including supplemental wells H78B-16, and H78B-17R. The supplemental wells were sampled solely for VOCs to assess the presence of trichloroethene (TCE) and other chlorinated compounds along the southern boundary of GMA 4. Subsequent modifications to the program approved by EPA resulted in: the decommissioning of three wells (78-7, H78B-8, and H78B-8R); the replacement of two monitoring wells (GMA4-4 for NY-4, and OPCA-MW-1R for OPCA-MW-1); and the installation and sampling of new wells GMA4-5 (designated as a GW-2 sentinel/compliance well), GMA4-6 (designated as a GW-3 perimeter/OPCA monitoring well), and the decommissioning of wells OPCA-MW-1R and OPCA-MW-2 prior to the re-routing of storm and sanitary sewer lines found beneath the Hill 78 OPCAs. These wells will be replaced with wells OPCA-MW-1RR and OPCA-MW-2 upon completion of the re-routing project. The wells included in the GMA 4 baseline monitoring program were monitored for groundwater elevations on a quarterly basis and sampled on a semi-annual basis for analysis of PCBs and/or other Appendix IX+3 constituents. The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well.

Groundwater from deep bedrock wells within GMA 4 is utilized for industrial purposes at the PGC facility. Currently, personnel acting on behalf of PGC collect groundwater samples from an existing bedrock supply well (ASW-5, which serves as its primary source of cooling water) for analysis of PCBs and VOCs, in accordance with an existing permitted program.

This well is located near the southwest corner of the steam turbine generator building, as illustrated on Figure 2. GE included the analytical results provided on behalf of PGC for samples collected from well ASW-5 in its OPCA groundwater monitoring program reports and continues to include those results in the GMA 4 interim monitoring program reports. The current PGC analytical results appear in Table C-1 in Appendix C of this report.

As previously reported, wells H76B-16, and H78B-17R are sampled on an annual basis (alternating between spring and fall) and analyzed for VOCs to monitor the potential presence of TCE and other chlorinated compounds at the downgradient edge of GMA 4 (Figure 4). These wells were sampled in fall 2007, and the next scheduled sampling will be conducted in spring 2008. In addition, the surface of a dense glacial till forms a trough-like structure in this area (Figure 5), which acts as a confining layer against vertical migration of TCE and other chlorinated constituents. Based on the location of wells H76B-16 and H78B-17R at the downgradient edge of GMA 4 and within the glacial till trough, it is anticipated that the source of the TCE and other related chlorinated constituents originated from an upgradient location relative to both groundwater flow and the slope of the till surface. If TCE-containing DNAPL were present, it would tend to migrate vertically downward, based on its density relative to water, until encountering a confining layer, at which point transport would continue along the top of till interface. However, no such DNAPL has been observed in any monitoring wells within GMA 4. As shown on Figure 5, the till trough extends northwest beneath the PGC facility toward the former Hill 78 landfill.

As discussed 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. The baseline monitoring program was initiated at GMA 4 in the spring of 2002, and the fall 2003 sampling event constituted the fourth baseline sampling event at most of the wells in GMA 4. In spring 2006, GE completed the fourth sampling round at the final baseline monitoring location (well UB-MW-5), which had been dry and unable to be sampled during several of the prior baseline sampling events, and thereby completed the required baseline sampling.

In the Fall 2003 GMA 4 Groundwater Quality Report, GE described its proposed interim groundwater quality monitoring program. EPA conditionally approved that report by letter dated May 19, 2004. GE implemented the interim monitoring program during the spring 2004 sampling event and will continue that program until the completion of the soil-related

Removal Actions at the GMA 4 RAAs. At that time, GE will submit a final baseline monitoring report, including a proposal concerning long-term monitoring.

As of fall 2007, the interim monitoring program consists of:

- Sampling and analysis of 12 OPCA-related wells on a semi-annual basis.
- Annual sampling and analysis (alternating between spring and fall seasons) for select constituents at two GMA 4 wells (H78B-16 and H78B-17R) located along the downgradient edge of the GMA, where VOCs were detected in groundwater**.**
- Monthly, quarterly, or semi-annual groundwater elevation monitoring at the wells referenced in Table 2.

The fall 2007 sampling event was initiated by GE on October 8, 2007 and the required data collection at all locations scheduled to be sampled was completed on November 13, 2007. The GMA 4 interim groundwater quality monitoring program activities performed in fall 2007 are summarized in Table 1.

1.3 Format of Document

The remainder of this report is presented in five sections. Section 2 describes the activities performed under the interim monitoring program at GMA 4 in fall 2007. Section 3 presents the analytical results obtained during the fall 2007 groundwater sampling event, while Section 4 provides a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW and provides an assessment of the results of the fall 2007 activities, including a comparison to those Performance Standards. A comparison of the recent monitoring results to the prior OPCA-related monitoring data is also provided. Finally, Section 5 presents the schedule for future field and reporting activities related to groundwater quality at GMA 4.

2. Field and Analytical Procedures

2.1 General

The activities conducted as part of the interim groundwater monitoring program and summarized herein primarily involved the measurement of groundwater levels and the collection and analysis of groundwater samples at select monitoring wells within GMA 4, as described on Tables 1 and 2, and depicted on Figure 2. The construction details of the wells that were monitored and/or sampled at GMA 4 in fall 2007 are provided in Table 3 and the fall 2007 field sampling records are presented in Appendix D. This section discusses the field procedures used to measure site groundwater levels, check for the presence of NAPL, and collect groundwater samples, as well as the methods used to analyze the groundwater samples. All activities were conducted in accordance with GE's March 30, 2007 *Project Operations Plan (POP) and Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP)*.

2.2 Groundwater Level Measurement and LNAPL Monitoring

Groundwater elevations were measured at selected wells shown in Table 2. The summer groundwater elevation monitoring event was performed on July 10, 2007, and the fall 2007 groundwater elevation monitoring event at GMA 4 was conducted on October 30 and 31, 2007. Groundwater elevations were, on average, approximately 0.73 foot lower than the elevations measured during the prior fall monitoring round in 2006 at water table wells measured during both monitoring events. Table 4 summarizes the groundwater elevation monitoring data for the two monitoring events. The groundwater elevation data shown in that table were subsequently used to prepare groundwater elevation contour maps of the summer and fall groundwater monitoring events (Figures 3 and 4). As shown on these figures, the groundwater flow directions are generally consistent with those observed during previous seasonal monitoring events. A comparison of the groundwater contour maps with the top of till contour map (Figure 5) shows that groundwater elevations are generally correlated to changes in the elevation of the glacial till interface. Specifically, groundwater generally flows from north to south, although variations exist corresponding to changes in the topography of the ground surface and/or the glacial till interface, including a prominent groundwater depression extending from northwest to southeast across the western portion of the GMA. Well GMA4-6 is located within this depression along the northern portion of GMA 4 and the groundwater elevation at this well is lower than in other wells surrounding the OPCAs to the east and west. No data for well 78-6, which is also in this depression, was reported during the summer 2007 or fall 2007 monitoring rounds, since the well was buried under mulch and could not be found. The well was located in November 2007, and

data collected at that time is shown on Figure 4 and Appendix E. As directed in EPA's June 5, 2006 letter, GE will continue to monitor wells in this area on a quarterly basis to evaluate groundwater flow conditions around the OPCAs.

EPA's November 14, 2006 conditional approval letter for the GMA 4 Groundwater Quality Monitoring Interim Report for Spring 2006 directed GE to include any EPA-generated groundwater elevation and/or analytical data from EPA-installed monitoring wells or piezometers on or adjacent to the Allendale School property in future GMA 4 submittals. EPA installed piezometers PZ-1, PZ-2, PZ-3, and PZ-4 on November 6, 2007 in order to better define groundwater flow patterns beneath the Allendale School property. EPA monitored the four new piezometers, along with existing Allendale School monitoring well SCH-1 and five GMA 4 monitoring wells (78-1, 78-6, GMA4-6, NY-4, and SCH-4) on November 12-13, 2007. The locations of these wells and piezometers are shown on Figure 2, and the EPA-generated groundwater elevation data from any wells or piezometers are shown on Figure 4 for locations that were not also monitored as part of the semi-annual monitoring event at GMA 4 (i.e., piezometers PZ-1, PZ-2, PZ-3, and PZ-4 and monitoring wells SCH-1 and 78-6). Those data were utilized to create the inferred groundwater elevation contours shown on Figure 4, since EPA performed its monitoring approximately two weeks after the semi-annual monitoring conducted by GE. For wells that were monitored both by GE and EPA (i.e., wells 78-1, GMA4-6, NY-4, and SCH-4), the GE-generated data are shown on Figure 4 and were utilized for groundwater elevation contouring.

The EPA monitoring data are consistent with the GE GMA 4 data. Groundwater elevations are highest at the northernmost well adjacent to the school (SCH-1) and decrease from north to south (i.e., groundwater flows from the Allendale School property toward GMA 4). The groundwater elevations in the piezometers located in the downgradient portion of the Allendale School property each had higher groundwater elevations than the nearest wells on the upgradient edge of GMA 4, providing further confirmation that GMA 4 is downgradient from the Allendale School property.

Prior to June 2003, weekly groundwater and LNAPL measurements were collected at well H78B-8R. If present, LNAPL was recovered and properly disposed. In June 2003, well H78B-8R was decommissioned in order to accommodate the expansion of the Hill 78 OPCA. This well (H78B-8R) was the only location within GMA 4 where NAPL had been encountered. Since the removal of well H78B-8R, particular attention has been given to well OPCA-MW-2 (until it's decommissioning in October 2007, as discussed in Section 2.3) and well OPCA-MW-3 (located downgradient from former well H78B-8R) when groundwater measurements and samples were obtained. In addition, well GMA4-3 has been monitored

on a monthly basis since April 2005 to assess the extent of LNAPL observed at GMA 3, located to the east of GMA 4, in the vicinity of Buildings 51 and 59. No NAPL was observed at any of these locations.

The results of all groundwater elevation/NAPL monitoring activities performed during fall 2007 are summarized in Appendix E. As noted above, field observations and measurements indicate that NAPL has not entered wells OPCA-MW-2, OPCA-MW-3, or GMA4-3, or been encountered in any of the other wells monitored and/or sampled during fall 2007.

2.3 Groundwater Sampling and Analysis

2.3.1 GMA 4 Sampling

The fall 2007 interim sampling event was performed between October 8 and 15, 2007 at 12 groundwater monitoring wells, which include the groundwater monitoring wells associated with the OPCA monitoring program. Well 78-6 was buried beneath mulch and brush and nearby well SCH-4 was inadvertently sampled. GE subsequently was able to locate well 78-6 and samples from that well were collected on November 13, 2007. All activities were conducted in accordance with GE's March 30, 2007 *Project Operations Plan* (POP) and *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP). The pump intake depth and type of pump used during the fall 2007 sampling event are identified on the sampling records contained in Appendix D.

Low-flow sampling techniques, using either a bladder or peristaltic pump, were utilized for the purging and collection of groundwater samples during this sampling event. Each monitoring well that was sampled was purged utilizing low-flow sampling techniques until field parameters (including temperature, pH, specific conductivity, turbidity, dissolved oxygen, and, oxidation-reduction potential) stabilized prior to sample collection. Field parameters were measured in combination with the sampling activities at the monitoring wells. The field parameter measurements are presented in Table 5 and the field sampling records are provided in Appendix D.

A general summary of the field measurement results during the fall 2007 monitoring event is provided below.

Parameter	Units	Range
Temperature	Degrees Celsius	11.60-19.39
pH	pH units	5.89-9.82

Parameter	Units	Range
Specific Conductivity	Millisiemens per centimeter	0.637-6.661
Turbidity	NTUs	1-47
Dissolved Oxygen	Milligrams per liter	0.33-23
Oxidation-Reduction Potential	Millivolts	-27.3-224.10

As shown above and in Table 5 for this sampling event, none of the groundwater samples extracted from the monitoring wells had turbidity levels greater than the target level of 50 NTU upon stabilization. These results indicate that the sampling and measurement procedures utilized during this sampling event were effective in obtaining representative groundwater samples with low turbidity. The sampling logs for well H78B-17R show pH ranges from 14.61 to 15.87 during the fall 2007 sampling round (Appendix D). Since the pH scale ends at 14, however, this information was considered anomalous and not included in the range of data shown in the table above. Although instrument calibrations were checked following such readings, GE suspects that the elevated pH data are anomalous and result from instrument malfunction, rather than a change in pH from prior rounds at the locations in question. GE will review the pH data to be collected during the upcoming spring 2008 sampling event to further assess these apparent anomalies.

The collected groundwater samples were submitted to SGS Environmental Services, Inc. (SGS) of Wilmington, North Carolina for laboratory analysis. All groundwater samples collected during this sampling event, except those from wells H78B-16 and H78B-17R (which were submitted for analysis solely for VOCs, using EPA Method 8260B), were submitted for analysis of the following constituents using the associated EPA methods:

Constituent	EPA Method
VOCs	8260B
SVOCs	8270C
PCBs (Filtered Samples)	8082
Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans (PCDDs/PCDFs)	8290
Metals (Filtered Samples)	6010B, 7000A, and 7470A
Physiologically Available Cyanide (Filtered Samples)	9014/MDEP PAC Protocol
Sulfide	9034

Following receipt of the analytical data on the GE samples 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 GE data for the fall 2007 interim groundwater quality sampling were validated in accordance with the FSP/QAPP. As discussed in the validation report provided in Appendix F, 99.0% of the fall 2007 groundwater quality data are considered to be useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The PCB, PCDD/PCDF, inorganic and cyanide sample results were found to be 100% usable. VOC and SVOC sample results were found to be 99.9% usable. Sulfides were found to be 93.3% usable. For VOCs, SVOCs, and sulfides, one sample result from each analyte group was rejected due to MS/MSD recovery deviations.

2.3.2 Pittsfield Generating Company Sampling

In accordance with PGC's existing permitted program, personnel acting on behalf of PGC currently collect groundwater samples for analysis of VOCs and PCBs from PGC's deep bedrock groundwater extraction well (well ASW-5, screened at approximately 441 to 457 feet below ground surface). This well serves as the primary source of cooling water for the PGC plant. GE has included the analytical results provided on behalf of PGC for samples collected from ASW-5 in this report, as well as a comparison of these data to historical results. A summary of well ASW-5 monitoring results is provided in Table C-1 within Appendix C.

2.4 Monitoring Well Decommissioning

Monitoring wells OCPA-MW-1R and OPCA-MW-2 were decommissioned on October 16, 2007, in preparation for the re-routing of storm and sanitary sewer lines found beneath the Hill 78 OPCAs to areas near these wells. The fall 2007 sampling event was completed at these wells prior to decommissioning. However, the wells were removed prior to the fall 2007 groundwater elevation monitoring round, so no data from these locations were available for the preparation of the fall 2007 groundwater elevation contour map (Figure 4). As discussed in Section 5.2, wells OCPA-MW-1RR and OPCA-MW-2R will be installed following completion of the sewer re-routing project. Monitoring and sampling of these wells will be initiated after the replacement wells have been installed.

3. Groundwater Analytical Results

3.1 General

A description of the fall 2007 groundwater analytical results is presented in this section. Tables 6 and 7 provide a comparison of the concentrations of detected constituents with the applicable GW-2 and GW-3 groundwater quality Performance Standards established in the CD and SOW (for wells where those respective standards apply), while Table 8 presents a comparison of the concentrations of detected constituents with the UCLs for groundwater (for all wells sampled in fall 2007) Table A-1 in Appendix A provides the complete data set (constituents detected and not detected) for the groundwater samples analyzed during this sampling event. An assessment of these results relative to those groundwater quality Performance Standards and the UCLs is provided in Section 4. The results from well SCH-4, which was inadvertently sampled as discussed in Section 2.3.1, are included in Tables 7, 8, and A-1 and have been incorporated into the summary of results below and the evaluations in Section 4.

3.2 Interim Groundwater Quality Results

The following subsections provide an overview of the fall 2007 analytical results from the GMA 4 groundwater quality monitoring wells for each constituent group that was analyzed.

3.2.1 VOC Results

A total of 15 groundwater samples were collected and analyzed for VOCs during the fall 2007 sampling event. The VOC analytical results are summarized in Table 8 and Table A-1 (within Appendix A). No VOCs were detected in wells GMA4-6, OPCA-MW-3, OPCA-MW-6, and OCPA-MW-8. Where VOCs were detected, total VOCs were present in a range from an estimated concentration of 0.00010 ppm (at well SCH-4) to an estimated concentration of 0.11 ppm (well H78B-17R). A total of thirteen different VOCs were detected in one or more wells. Toluene and trichloroethene were the most frequently detected VOCs (detected in four wells each). Toluene was detected in wells OPCA-MW-4, OPCA-MW-5R, OCPA-MW-7, and SCH-4 at estimated concentrations ranging from 0.00032 ppm (well OPCA-MW-4) to 0.0010 ppm (SCH-4). Trichloroethene was detected in wells H78B-15, H89B-16, H78B-17R, and OPCA-MW-4 in concentrations ranging from an estimated concentration of 0.00023 ppm (well H78B-15) to a concentration of 0.10 ppm (H78B-17R).

3.2.2 SVOC Results

A total of 13 groundwater samples were collected and analyzed for SVOCs during the fall 2007 sampling event. The SVOC analytical results are summarized in Table 8 and Table A-1 (within Appendix A). Bis(2-Ethylhexyl)phthalate was detected in one well (OCPA-MW-8) at estimated concentrations of 0.0017 ppm. Dimethylphthalate and naphthalene were detected in well 78-6 at estimated concentrations of 0.0006 ppm and 0.0016 ppm, respectively. No SVOCs were detected in any of the remaining wells analyzed for this constituent group in fall 2007.

3.2.3 PCB Results

Filtered groundwater samples from 13 wells were analyzed for PCBs as part of the fall 2007 sampling event. The PCB analytical results are summarized in Table 8 and Table A-1 (within Appendix A). PCBs were detected in one well (OPCA-MW-7) at an estimated concentration of 0.00211 ppm. The concentration of PCBs detected in well OCPA-MW-7 exceeded the MCP GW-3 standard for PCBs, although this was not the first PCB exceedance at this well.

3.2.4 PCDD/PCDF Results

Groundwater samples collected from 13 monitoring wells were analyzed for PCDDs/PCDFs during the fall 2007 sampling event. The analytical results are summarized in Table 8 and Table A-1 (within Appendix A). In addition, total Toxicity Equivalency Quotients (TEQs) were calculated for the PCDD/PCDF compounds using the Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO). In calculating those TEQs, the concentrations of individual PCDD/PCDF compounds that were not detected were represented as one-half of the analytical detection limit for those compounds. Total TEQ concentrations ranged from 0.64×10^{-8} ppm to 1.20×10^{-8} ppm.

3.2.5 Inorganic Constituent Results

Filtered groundwater samples were obtained from 13 monitoring wells for analysis of inorganic constituents during the fall 2007 sampling event. Unfiltered samples from the 13 wells were also analyzed for sulfide. The analytical results for these inorganic constituents are summarized in Table 8 and Table A-1 (within Appendix A).

Twelve locations contained at least one inorganic constituent in the filtered samples. Barium was the mostly commonly observed inorganic constituent (detected in ten filtered samples), followed by zinc (detected in nine filtered samples). No inorganic constituents were detected in well OPCA-MW-1R. There was no sulfide detected in any well during the fall 2007 sampling round. All detected inorganic constituent concentrations were below the applicable MCP Method 1 GW-3 standards.

3.3 Pittsfield Generating Facility Sample Results

The results of the most recent deep bedrock groundwater sampling activities performed on behalf of PGC at industrial supply well ASW-5 (conducted in December 2007), along with data from prior sampling events, are summarized in Table C-1 of Appendix C. PCBs were not detected in this well, while the only VOC detected in the groundwater sample collected from this well was TCE at a concentration of 0.014 ppm.

4. Assessment of Results

4.1 General

This report constitutes the eighth interim groundwater quality monitoring report for GMA 4, and is the fourteenth monitoring report submitted since commencement of the groundwater monitoring program associated with the OPCAs. The information presented herein is based on the laboratory results obtained during the fall 2007 groundwater sampling event, supplemented with historical groundwater analytical data when applicable.

4.2 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 4 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 4 and are described below:

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

- GW-3 groundwater is defined as groundwater that discharges to surface water. By MCP definition, all groundwater at a site is classified as GW-3 since it is considered to ultimately discharge to surface water. In accordance with the CD and SOW, all groundwater at GMA 4 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 4. 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 6 and 7, respectively. For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards. Of course, whichever method is used to establish such groundwater standards, GW-2 standards will be applied to GW-2 groundwater and GW-3 standards will be applied to GW-3 groundwater.

On January 9, 2006, MDEP approved revised Method 1 numerical standards for a number of constituents in groundwater. The revised standards became effective on April 3, 2006. This report uses the revised numerical standards for those substances for which revised numerical standards exist.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 4 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 identified in the GMA 4 Baseline Monitoring Proposal Addendum and are described further in Sections 4.3.1 (for GW-2 wells) and 4.3.2 (for GW-3 wells).

In addition to the Performance Standards described above, analytical results from all groundwater monitoring wells sampled during the fall 2007 sampling event were compared to the MCP UCLs for groundwater. Analytical results from wells included in the OPCA groundwater monitoring program were also compared to the 1999 baseline data, as well as prior OPCA-related monitoring data, for those wells.

4.3 Groundwater Quality – Fall 2007

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the fall 2007 groundwater sampling event were compared to the groundwater Performance Standards for GMA 4. These Performance Standards are described in Section 4.2 above and are currently based (on a well-specific basis) on the MCP Method 1 GW-2 and/or GW-3 standards. The following subsections discuss the fall 2007 groundwater analytical results in relation to these Performance Standards, as well as in relation to the MCP UCLs for groundwater. In support of those discussions, Tables 6 and 7 provide a comparison of the concentrations of the detected constituents with the current

GW-2 and GW-3 standards, respectively, while Table 8 presents a comparison of the concentrations of detected constituents with the MCP UCLs for groundwater.

With regard to constituents that may be analyzed as either a filtered or unfiltered sample (i.e., PCBs and inorganics), all monitoring wells were sampled and analyzed in accordance with the approved interim program protocols during the fall 2007 sampling event, which provides for the collection of filtered data only for PCB and inorganic constituent analyses (except for sulfide, which is analyzed in unfiltered samples only). The filtered results are utilized for comparison to the MCP GW-3 standards while both the filtered and any unfiltered results are compared to the MCP UCLs for groundwater.

4.3.1 Groundwater Results Relative to GW-2 Performance Standards

Groundwater samples were collected from four monitoring wells at GMA 4 that have been designated as GW-2 monitoring wells and will be compliance points for the GW-2 standards. These wells are H78B-15, OPCA-MW-1R, OPCA-MW-4, and OPCA-MW-5R. The fall 2007 groundwater analytical results for the detected constituents within these four wells were compared to the MCP Method 1 GW-2 standards as presented in Table 6.

There were no exceedances of GW-2 standards during this sampling round. None of the GW-2 wells exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells within 30 feet of a school or occupied residential structure, and a potential trigger level, if seen at a well where the GW-2 standards had previously been exceeded, for the proposal of interim response actions). At well OPCA-MW-5R, vinyl chloride was not detected in the fall 2006, the spring 2007 or the fall 2007 sampling events, although the concentration during the spring 2006 sampling event had exceeded the GW-2 standard for vinyl chloride.

4.3.2 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from 13 wells designated as GW-3 monitoring points during the spring 2007 groundwater sampling event. Four of these wells (H78B-15, OPCA-MW-1R, OPCA-MW-4, and OPCA-MW-5R) are designated as GW-2 Sentinel/GW-3 general source area sentinel wells. Three of these wells (78-1, 78-6, and GMA 4-6) are GW-3 upgradient perimeter wells. Six wells (OPCA-MW-2, OPCA-MW-3, OPCA-MW-6 though OPCA-MW-8, and H78B-17R) are downgradient GW-3 monitoring wells, which will ultimately serve as GW-3 compliance points. The analytical results for the constituents detected in these wells were compared to the applicable MCP Method 1 GW-3 standards as presented in Table 7. Although Table 7 provides a comparison of the fall 2007 analytical

results from all 12 monitoring wells with GW-3 standards, those wells are not all GW-3 compliance points. In addition, the results for well SCH-4, which was inadvertently monitored this fall, are included in this comparison to the GW-3 standards, since they would apply to this location.

The concentrations of PCBs detected in well OCPA-MW-7 (0.00211) exceeded the MCP GW-3 standard for PCBs (0.0003 ppm). As shown in the historical data in Appendix B, there have been two prior exceedances of this standard at this well, but the fall 2007 results were higher than any historical result. However, a review of the sampling log at this well (Appendix D) indicates that the well ran dry multiple times while collecting samples at this well from October 11 to 18, 2007. Consequently, the PCB results may be anomalous due to disturbance of sediments at the bottom of the well and not indicative of surrounding groundwater conditions**.** No other GW-3 standards were exceeded in fall 2007. As discussed below, GE will continue to monitor PCB concentrations at this well.

4.3.3 Comparison to Upper Concentration Limits

In addition to comparing the fall 2007 groundwater analytical results with applicable MCP Method 1 GW-2 and MCP Method 1 GW-3 standards, those results have also been compared with the groundwater UCLs specified in the MCP (310 CMR 40.0996(7)). These comparisons are presented in Table 8, which indicates that none of the constituents detected was above its respective UCL in any of the groundwater samples analyzed during the fall 2007 sampling event.

4.3.4 Comparison to OPCA Baseline and Prior Groundwater Data

Groundwater samples were collected from 12 OPCA monitoring wells during the fall 2007 interim sampling event. Analytical data from the samples collected were compared to the results of the 1999 OPCA baseline investigation and, where relevant, to the results of more recent semi-annual monitoring events. The analytical data from the initial OPCA groundwater monitoring events conducted in 1999 and 2001 are summarized in Table B-1 within Appendix B, along with data collected during the most recent year of sampling. Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB concentrations for the OPCA wells over the duration of the groundwater monitoring program are also presented in Appendix B, along with graphs of historical concentrations of individual constituents where concentrations exceeded the applicable current MCP Method 1 GW-2 or GW-3 standards or UCLs during at least one OPCA monitoring program sampling event. The results of these comparisons for each analytical constituent group (i.e., VOCs, SVOCs, PCBs, PCDDs/PCDFs, and inorganics) are discussed below.

With limited exceptions, the fall 2007 groundwater sampling results from the OPCA monitoring wells were consistent with those from the baseline round and/or recent sampling events (other than the spring 2006 PCB data, which, as discussed in the spring 2007 GMA 4 Groundwater Monitoring Interim Report, and approved by EPA on October 22, 2007, appears to have been anomalous). All constituents were below the applicable UCLs, Method 1 GW-2 standards, and/or Method 1 GW-3 standards, except for results from OCPA-MW-7, where the results of total PCBs (0.00211 ppm) exceeded the MCP GW-3 standard for PCBs (0.0003 ppm). As discussed in Section 4.3.2, this result may have been influenced by the mixing of sediment in the well which dried several times during sampling. GE will continue monitoring this well to evaluate these results further.

VOCs

Nine VOCs were detected in the fall 2007 OPCA monitoring well samples. Toluene was the most frequently detected VOC. Toluene was detected in three wells (OPCA-MW-4, OPCA-MW-5R, and OPCA-MW-7) at estimated concentrations ranging from 0.00011 ppm (well OPCA-MW-5R) to 0.00032 ppm (well OCPA-MW-4), which are well below the GW-3 standard of 4 ppm. Other VOCs detected in OPCA wells include 1,1,1-trichloroethane 1,1-Dichloroethane, acetone, bromoform, chlorobenzene, tetrachloroethene, trichloroethene, and trichlorofluoromethane. None of these constituents was detected at concentrations above its respective GW-3 standard. Vinyl chloride, which was detected in well OPCA-MW-5R in spring 2006 at a concentration above the GW-2 standard, was not detected at this well during this monitoring round or during the previous two monitoring round (fall 2006 and spring 2007). As shown in the graph in Appendix B, there has been only one detection of vinyl chloride at well OPCA-MW-5R in fifteen sampling events. Therefore, the data from the spring 2006 monitoring round appear to be anomalous.

These VOC results are generally consistent with the 1999 baseline sampling analytical results and have been compared with the historical results as illustrated in the graphs provided in Appendix B. As discussed below, GE plans to continue the OPCA groundwater monitoring program and to continue to monitor concentrations of these and other constituents in the OPCA wells.

SVOCs

Three SVOCs were detected in OPCA monitoring wells during the fall 2007 monitoring event. Bis(2-Ethylhexyl)phthalate was detected in well OPCA-MW-8 at estimated concentration of 0.0017 ppm. Dimethylphthalate and naphthalene were found in well 78-6 in estimated concentrations of 0.00060 ppm, and 0.0016 ppm, respectively. No other

SVOCs were detected in wells during this sampling round. None of these constituents was detected above its applicable MCP Method 1 standard.

PCBs

The fall 2007 analytical results for the OPCA groundwater monitoring program indicate that PCBs were detected in one of the twelve filtered samples (from well OPCA-MW-7), at a concentration of 0.00211ppm, which exceeds the GW-3 standard of 0.0003 ppm for total PCBs. As shown in the graphs of historical analytical results in Appendix B, at well OCPA-MW-7 there have been slight exceedances in previous sampling events (fall 2005 and spring 2006). However, as discussed in Section 4.3.2, the fall 2007 results are thought to be anomalous based on the sampling conditions. No other PCBs were detected in any other wells during the fall 2007 sampling event. GE will continue to monitor this well for PCBs in future sampling rounds to assess the validity of this sample result.

Other Appendix IX+3 Constituents

Low levels of PCDDs were observed in OPCA groundwater monitoring program wells OPCA-MW-2, OPCA-MW-5R, OPCA-MW-6, OPCA-MW-7, and OPCA-MW-8, and trace levels of PCDFs were detected in six wells (78-1, 78-6, GMA4-6, OPCA-MW-1R, OPCA-MW-2 , OPCA-MW-5R) during the fall 2007 sampling event. No PCDDs or PCDFs were detected in wells H78B-15 , OPCA-MW-3, and OPCA-MW-4. As previously discussed in Section 3.2.4, TEQ values are calculated for each sample using TEFs and half the detection limit for non-detected PCDDs and PCDFs. The concentrations of these TEQ values are similar to those previously observed during the OPCA groundwater monitoring program and are also below the applicable UCL and Method 1 GW-3 standard.

For inorganic constituents, minor variations in detected concentrations have been observed in several monitoring wells. These fluctuations have been observed during the course of the OPCA groundwater monitoring program and are considered typical for inorganic constituents in groundwater. There were no exceedances of applicable MCP Method 1 standards observed in the GMA 4 wells during this sampling event for inorganic constituents.

4.3.5 Pittsfield Generating Company Supply Well

As noted above, one groundwater sample obtained from the PGC deep bedrock industrial cooling-supply well ASW-5 was analyzed on behalf of PGC for VOCs and PCBs in accordance with its approved monitoring program. No constituents other than TCE were

detected in the most recent sample obtained from supply well ASW-5. A table and graphs summarizing the historical analytical results for this well are provided in Appendix C. As shown on those graphs, total VOC concentrations (consisting primarily of TCE) have remained fairly consistent, ranging between 0.009 ppm and 0.038 ppm since June 1996, with the fall 2007 total VOC result (0.014 ppm) falling in the lower portion of this historical range. None of the VOCs detected in this supply well has been observed at concentrations above the MCP Method 1 GW-3 standards. In addition, PCBs have not been detected in this well in any of the samples collected during this time frame.

4.4 Overall Assessment of Groundwater Analytical Results

Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB concentrations for all wells sampled in fall 2007 are presented in Appendix B. In addition, Appendix B contains graphs of historical concentrations of individual constituents at monitoring wells where concentrations exceeded the applicable current MCP Method 1 GW-2 or GW-3 standards or UCLs during one or more of the prior baseline, interim, or OPCA monitoring program sampling events.

Based on a review of the concentration vs. time graphs presented in Appendix B, VOCs have not been detected or have remained at low levels in the majority of the wells that have been monitored, with the exception of certain wells located within the groundwater depression extending from northwest to southeast beneath the Hill 78 OPCA and PGC facility, where varying concentrations of chlorinated VOCs have been observed.

As discussed above, the fall 2007 groundwater sampling and analysis results from GMA 4 showed only one well that exceeded an applicable groundwater quality standard for any constituent (PCBs in well OPCA-MW-7). With the exception of that well, fall 2007 PCB concentrations were generally consistent with the results of the fall 2006 sampling round, which showed a significant decrease from spring 2006. PCBs were detected at an estimated concentration of 0.00211 ppm at well OPCA-MW-7 in fall 2007 (above the GW-3 standard), but not detected in this well in fall 2006. As discussed in Section 4.3.2, the results may be anomalous due to the disturbance of sediment at the bottom of the well. In general, the PCB data have not exhibited any clear trends (either seasonal or from event to event) during the course of the monitoring program. Rather, as indicated in previous reports for this GMA, fluctuations in PCB concentrations have generally been observed on a GMA-wide basis during certain monitoring events. GE will continue to sample PCBs from well OPCA-MW-7, and no changes in the monitoring program are proposed at this time.

With the single exception discussed above, all detected constituents were at levels below the respective Method 1 GW-2 standards, Method 1 GW-3 standards, and/or UCLs for groundwater.

4.5 NAPL Monitoring Results

NAPL monitoring was conducted during all groundwater elevation monitoring activities conducted in fall 2007. NAPL was not observed in any of the GMA 4 monitoring wells monitored during this time period, including wells OPCA-MW-2 and OPCA-MW-3, which are located downgradient of the only known occurrence of NAPL at this GMA (i.e., at well H78B-8R, which was decommissioned as part of the OPCA construction). In addition to the semi-annual groundwater elevation/NAPL monitoring event, GE continued monthly groundwater elevation/NAPL monitoring at well GMA4-3 to verify that LNAPL has not migrated from GMA 3 to the western side of Plastics Avenue. The results of this monitoring are provided in Appendix E (along with all other monitoring data collected in fall 2007). LNAPL has not been detected at well GMA4-3 since monthly monitoring was initiated in April 2005. GE plans to continue to monitor well GMA4-3 on a monthly basis for the presence of LNAPL and will include those results, along with any proposals to address the monitoring results, in the future groundwater quality reports for GMA 3 and GMA 4.

5. Schedule of Future Activities

5.1 General

In fall 2007, GE conducted the eighth sampling event of the interim groundwater monitoring program. This program will be conducted until completion of any necessary soil-related Removal Actions at the RAAs that comprise GMA 4. The fall 2007 monitoring event also included the OPCA groundwater monitoring program, which will be continued during the interim period with sampling and analysis being conducted on a semi-annual basis until closure of the OPCAs, and monthly, quarterly, or semi-annual groundwater elevation monitoring at specific wells, as shown in Table 2.

GE has reviewed the groundwater analytical data from this sampling event for results that would indicate the need to modify the interim monitoring program. The fall 2007 data are generally consistent with prior monitoring events and no modifications to the interim monitoring program are proposed at this time.

This section addresses the schedule for future groundwater quality monitoring activities and reporting for GMA 4. Specifically, this section provides a schedule for the upcoming spring 2008 interim monitoring/sampling event and associated reporting activities. A summary of the spring 2008 interim sampling program is provided in Table 9.

5.2 Field Activities Schedule

GE anticipates that the spring 2008 interim sampling event will take place in April 2008. Semi-annual sampling and analyses will be performed at the twelve OPCA groundwater monitoring program wells. Analyses of groundwater samples will be performed according to the requirements of the OPCA groundwater monitoring program, as listed in Table 9. The annual sampling of wells H78B-16 and H78-17R for select constituents will also be performed.

Groundwater elevations from select wells will be monitored on a quarterly basis, with future monitoring rounds conducted during the months of April, July, October, and January. The April 2008 monitoring round will also include all baseline wells that have been retained for semi-annual groundwater elevation monitoring. Well GMA4-3 will continue to be monitored for NAPL on a monthly basis throughout spring 2008.

As discussed in Section 2.2, four new piezometers were installed by EPA at the Allendale School property on November 6, 2007, one week after the semi-annual monitoring event was conducted at GMA 4. Approximately one week after installation of the new piezometers, existing well SCH-1 and piezometers PZ-1, PZ-2, PZ-3, and PZ-4 on the Allendale School property and five GMA 4 monitoring wells were monitored by EPA. Those monitoring data have been incorporated into this report to the extent practical, given the two-week time period that elapsed between the GE and EPA monitoring rounds. The next EPA-conducted monitoring round at those locations was conducted on the same day as the quarterly monitoring event conducted at GMA 4 in January 2008. The data collected during that monitoring round was included in the January 2008 monthly report on overall activities at the GE-Pittsfield/Housatonic River Site and will also be presented (along with a groundwater elevation contour map utilizing both GE- and EPA-generated data) in the next semi-annual report for GMA 4. GE will continue to coordinate the scheduling of its quarterly and semi-annual groundwater elevation monitoring activities with EPA to facilitate the concurrent collection of supplemental data from the Allendale School property by EPA.

Following completion of the re-routing of the storm and sanitary sewer lines beneath GMA 4, wells OPCA-MW-1RR and OPCA-MW-2R will be installed to replace wells OPCA-MW-1R and OCPA-MW-2. The historical groundwater elevation data at wells OCPA-MW-1R and OPCA-MW-2 were compared to the respective screen placements to determine if screened elevations for these wells should be revised prior to installation of the replacement wells. The monitoring well construction summary data are included in Table 3. Historical groundwater elevations for well OPCA-MW-1R range from approximately four feet bgs to approximately ten feet bgs. The top of screen and base of screen elevations for the current well are ten feet bgs and 25 feet bgs respectively. Therefore, the well screening should be A screen length of 10 feet (base of screen elevation to 13 feet bgs) should provide appropriate screening for the range of groundwater elevations seen at the current well. For well OCPA-MW-2R, historical groundwater elevation reported for this well during the quarterly monitoring rounds range from approximately 13 feet bgs (spring 2003) to approximately 19 feet (fall 2002). The elevations to the top of screen and base of screen are 13 feet bgs and 23 feet bgs, respectively. No changes need to be made to the screening for this well. A review of the well sampling logs indicates that neither of these wells has run dry during a sampling event. Well installation activities will be conducted in accordance with Appendix S (Monitoring Well Installation and Development) in GE's March 30, 2007 Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP).

Prior to performance of these field activities, GE will provide EPA with 7 days advance notice to allow: (1) the assignment of field oversight personnel; (2) preparations to split samples with EPA's contractor; and (3) the collection by EPA of groundwater levels at the Allendale wells in conjunction with GE's groundwater elevation monitoring activities at GMA 4 (if desired).

5.3 Reporting Schedule

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

GE will submit the spring 2008 Interim Groundwater Quality Report for GMA 4 by August 31, 2008, in accordance with the reporting schedule approved by EPA. That report will present the final, validated spring 2008 interim sampling results, including a summary of data from other groundwater-related activities conducted at GMA 4 between January 2008 and June 2008 (including any EPA-generated groundwater elevation monitoring data at the Allendale School property), a discussion of those results, and any proposals to further modify the interim monitoring program.

ARCADIS

Tables

Table 1
Groundwater Quality Monitoring Program Summary

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Analyses	Comments
78-1	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
78-6	GW-3 Perimeter/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007, not found during initial sampling round, found and monitored in November 2007
GMA4-6	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
H78B-15	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
H78B-16	Supplemental Well for TCE Evaluation	Annual	VOC	Sampled in Fall 2007
H78B-17R	GW-3 Perimeter (Downgradient)	Annual	VOC	Sampled in Fall 2007
OPCA-MW-1R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007, decommissioned prior to fall 2007 monitoring.[3]
OPCA-MW-2	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007, decommissioned prior to fall 2007 monitoring.[3]
OPCA-MW-3	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
OPCA-MW-4	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
OPCA-MW-5R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
OPCA-MW-6	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
OPCA-MW-7	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
OPCA-MW-8	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX [1,2]	Sampled in Fall 2007
SCH-4	Supplemental Data Collection	Fall 2007	PCB/App. IX (1,2)	In advertently sampled in fall 2007 when well 78-6 was not initially found

Notes:

1. Appendix IX+3 analyses consists of those non-PCB constituents listed in Appendix IX of 40 CFR Part 264 excluding pesticides and herbicides) plus three constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine.
2. Per the interim monitoring program protocols, analyses for PCBs, metals, and cyanide performed on filtered samples only.
3. Monitoring wells OPCA-MW-1R and OPCA-MW-2 were decommissioned during late fall 2007 prior to the sewer line rerouting. New wells will be installed in 2008.

Table 2
Groundwater Elevation Monitoring Program Summary

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Well Number	Monitoring Schedule	Comments
60A	Semi-Annual	Well could not be located
60B-R	Semi-Annual	
78-1	Quarterly	
78-2	Quarterly	
78-3	Semi-Annual	
78-4	Semi-Annual	
78-5R	Semi-Annual	
78-6	Quarterly	Could not locate this well during the fall 2007 monitoring event; buried under mulch; this well was subsequently located and sampled
GMA4-1	Semi-Annual	
GMA4-2	Semi-Annual	
GMA4-3	Monthly	
GMA4-4	Quarterly	
GMA4-6	Quarterly	
H78B-13R	Semi-Annual	
H78B-15	Semi-Annual	
H78B-16	Semi-Annual	
H78B-17	Semi-Annual	
H78B-17R	Semi-Annual	
NY-3	Quarterly	
NY-4	Quarterly	
OPCA-MW-1R	Quarterly	This well was decommissioned prior to the fall 2007 monitoring event
OPCA-MW-2	Quarterly	This well was decommissioned prior to the fall 2007 monitoring event
OPCA-MW-3	Quarterly	
OPCA-MW-4	Quarterly	
OPCA-MW-5R	Quarterly	
OPCA-MW-6	Quarterly	
OPCA-MW-7	Quarterly	
OPCA-MW-8	Quarterly	
RF-14	Semi-Annual	
RF-15	Semi-Annual	
SCH-4	Quarterly	
UB-MW-5	Semi-Annual	Well was dry during the fall 2007 monitoring event
UB-MW-6	Semi-Annual	
East Street Area 2 - North (Groundwater Management Area 1) adjacent to GMA 4		
ES1-20	Semi-Annual	
Allendale School Property Monitoring Wells/Piezometers		
PZ-1	Quarterly	
PZ-2	Quarterly	
PZ-3	Quarterly	
PZ-4	Quarterly	
SCH-1	Quarterly	

Note:
1. The listed monitoring wells are monitored for groundwater elevation and NAPL presence at the frequencies
2. The Allendale School Property Monitor Wells/Piezometers are monitored by EPA.

Table 3
Monitoring Well Construction Summary

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Monitoring Well Number	Survey Coordinates		Well Diameter (in)	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft BGS)	Screen Length (ft)	Top of Screen Elevation (ft AMSL)	Base of Screen Elevation (ft AMSL)
	Northing	Easting							
78-1	536143.95	136345.00	4.00	1,027.40	1,026.32	8.0	15.0	1,019.40	1,004.40
78-6	535917.90	135919.00	4.00	1,012.33	1,012.00	3.0	15.0	1,009.33	994.33
GMA4-6	535774.20	135658.40	2.00	1,009.62	1,009.12	3.0	10.0	1,006.62	996.62
H78B-15	535408.90	136705.20	0.75	1,009.80	1,012.68	6.0	10.0	1,003.80	993.80
H78B-16	535040.80	136495.50	0.75	996.00	999.33	4.0	10.0	992.00	982.00
H78B-17R	534996.00	136659.20	4.00	999.20	1,000.31	14.3	9.2	984.90	975.70
OPCA-MW-1R	535377.40	135573.90	2.00	1,016.97	1,016.46	10.0	15.0	1,006.97	991.97
OPCA-MW-2	535180.57	135917.60	2.00	1,017.30	1,019.58	13.0	10.0	1,004.30	994.30
OPCA-MW-3	535299.60	136188.90	2.00	1,015.30	1,014.83	18.0	10.0	997.30	987.30
OPCA-MW-4	535570.22	136222.55	2.00	1,019.20	1,018.67	12.0	10.0	1,007.20	997.20
OPCA-MW-5R	535630.68	136477.98	2.00	1,016.64	1,016.34	11.25	10.0	1,005.39	995.39
OPCA-MW-6	535449.44	136901.92	2.00	1,022.70	1,022.31	15.0	10.0	1,007.70	997.70
OPCA-MW-7	535673.73	136835.86	2.00	1,026.90	1,026.57	14.0	10.0	1,012.90	1,002.90
OPCA-MW-8	535989.21	136679.68	2.00	1,027.90	1,027.40	13.5	10.0	1,014.40	1,004.40
SCH-4	535377.40	135573.90	2.00	1,012.27	1,014.05	7.9	10.0	1,004.37	994.37

Table 3
Monitoring Well Construction Summary

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Monitoring Well Number	Survey Coordinates		Well Diameter (in)	Ground Surface Elevation (ft AMSL)	Measuring Point Elevation (ft AMSL)	Depth to Top of Screen (ft BGS)	Screen Length (ft)	Top of Screen Elevation (ft AMSL)	Base of Screen Elevation (ft AMSL)
	Northing	Easting							
East Street Area 2 - North (Groundwater Management Area 1) adjacent to GMA 4									
ES1-20	535314.82	134924.90	0.75	997.82	1,001.56	6.0	10.0	991.82	981.82
Allendale School Property Monitoring Wells/Piezometers adjacent to GMA 4									
PZ-1	535900.23	135753.22	NA	NA	1005.60	NA	NA	NA	NA
PZ-2	536112.14	135563.58	NA	NA	1009.89	NA	NA	NA	NA
PZ-3	536396.28	135728.63	NA	NA	1010.43	NA	NA	NA	NA
PZ-4	536116.06	136119.15	NA	NA	1007.96	NA	NA	NA	NA
SCH-1	536574.57	135606.24	NA	NA	1017.11	NA	NA	NA	NA

NOTES:

1. ft AMSL - Feet above mean sea level
2. ft BGS - Feet below ground surface
3. NA - Information not available.
4. ES1-20 is located in Groundwater Management Area 1, but also utilized as part of the GMA 4 groundwater elevation monitoring program.

Table 4
Groundwater Elevation Data - Summer/Fall 2007

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Well Number	Date Measured	Groundwater Elevation [(1)]
Summer 2007 Monitoring Event		
78-1	7/10/2007	1,015.92
78-2	7/10/2007	1,025.76
GMA4-3	7/10/2007	986.15
GMA4-4	7/10/2007	986.80
GMA4-6	7/10/2007	1,000.20
NY-3	7/10/2007	990.08
NY-4	7/10/2007	1,013.83
OPCA-MW-1R	7/10/2007	1,012.54
OPCA-MW-2	7/10/2007	1,001.18
OPCA-MW-3	7/10/2007	995.03
OPCA-MW-4	7/10/2007	1,006.24
OPCA-MW-5R	7/10/2007	1,004.89
OPCA-MW-6	7/10/2007	1,004.90
OPCA-MW-7	7/10/2007	1,010.97
OPCA-MW-8	7/10/2007	1,016.70
SCH-4	7/10/2007	1,004.75
East Street Area 2 - North adjacent to GMA 4		
ES1-20	7/17/2007	986.94
Fall 2007 Monitoring Event		
060B-R	10/31/2007	985.77
78-1	10/31/2007	1,013.92
78-2	10/31/2007	1,022.11
78-3	10/31/2007	988.38
78-4	10/31/2007	985.75
78-5R	10/31/2007	992.02
GMA4-1	10/31/2007	988.59
GMA4-2	10/31/2007	992.58
GMA4-3	10/31/2007	985.42
GMA4-4	10/31/2007	985.53
GMA4-5	10/31/2007	980.88
GMA4-6	10/31/2007	999.98
H78B-13R	10/31/2007	980.29
H78B-15	10/31/2007	997.28
H78B-16	10/31/2007	986.53
H78B-17	10/31/2007	985.79
H78B-17R	10/31/2007	986.55
NY-3	10/31/2007	988.64

Table 4
Groundwater Elevation Data - Summer/Fall 2007

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Well Number	Date Measured	Groundwater Elevation [(1)]
NY-4	10/31/2007	1,010.71
OPCA-MW-3	10/31/2007	992.88
OPCA-MW-4	10/31/2007	1,005.02
OPCA-MW-5R	10/31/2007	1,002.36
OPCA-MW-6	10/31/2007	1,002.51
OPCA-MW-7	10/31/2007	1,003.69
OPCA-MW-8	10/31/2007	1,013.10
RF-14	10/31/2007	990.44
RF-15	10/31/2007	1,004.12
SCH-4	10/31/2007	1,004.47
UB-MW-5	10/31/2007	<990.62
UB-MW-6	10/31/2007	997.11
East Street Area 2 - North adjacent to GMA 4		
ES1-20	10/31/2007	985.78

Notes:

1. The elevation shown is in feet above mean sea level.
2. The data shown above was utilized in the preparation of the summer 2007 and fall 2007 groundwater elevation contour maps for GMA 4. Other groundwater elevation data collected from July to December 2007 is provided in Appendix E.

Table 5
Field Parameter Measurements -Fall 2007

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Mamangement Area 4
General Electric Company- Pittsfield, Massachusetts

Well Number	Temperature (deg. C)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
78-1	14.74	6.86	1.081	2	0.85	206.9
78-6	13.34	6.85	1.813	47	0.69	-27.3
GMA4-6	15.00	6.90	1.319	1	0.33	111.7
H78B-15	14.33	6.59	2.273	9	6.70	146.1
H78B-16	13.74	5.89	1.161	2	1.21	205.8
H78B-17R	12.86	NA[9]	1.425	4	4.77	209.7
OPCA-MW-1R	19.39	9.82	6.661	3	4.71	93.7
OPCA-MW-2	14.66	7.45	1.691	2	5.46	150.4
OPCA-MW-3	14.50	7.10	0.736	2	0.90	170.3
OPCA-MW-4	15.18	7.18	1.261	2	3.18	134.2
OPCA-MW-5R	15.46	7.07	0.637	4	1.11	68.3
OPCA-MW-6	11.60	7.10	1.359	20	23.00	163.1
OPCA-MW-7[(8)]	13.33	6.49	5.83	23	2.97	257.00
OPCA-MW-8	15.03	7.56	0.946	14	7.93	218.00
SCH-4[(10)]	16.90	6.71	1.995	9	0.78	-57.10

Notes:
1. Well parameters were generally monitored continuously during purging by low-flow techniques. Final parameter readings are presented.
2. NTU - Nephelometric Turbidity Units
3. deg. C - Degrees Celsius
4. SU - Standard Units
5. mS/cm - Millisiemens per centimeter
6. mV - Millivolts
7. mg/L - Milligrams per liter (ppm)
8. Well became dry prior to collection of groundwater samples. Sampling was initiated on the following day after recharge of well. The listed field parameter data was collected prior to sampling after recharge. Well again went dry during first sampling; Sampling was completed on the following day.
9. The sampling logs for Well H78B-17R reported a pH reading of >14. This is assumed to be a meter malfunction.
10. Well SCH-4 was inadvertently monitored instead of well 78-6 in October 2007

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-2 Standards

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-2 Standards	H78B-15 10/10/07	OPCA-MW-1R 10/05/07	OPCA-MW-4 10/09/07	OPCA-MW-5R 10/09/07
Volatile Organics					
1,1,1-Trichloroethane	4	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	1	0.00010 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	0.005	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	50	0.0031 J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Chlorobenzene	0.2	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00024 J
Tetrachloroethene	0.05	ND(0.0010)	0.015	ND(0.0010)	ND(0.0010)
Toluene	8	ND(0.0010)	ND(0.0010)	0.00032 J	0.00011 J
trans-1,2-Dichloroethene	0.09	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	0.03	0.00023 J	ND(0.0010)	0.0017	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	0.002	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	5	0.0034 J	0.015	0.0020 J	0.00035 J
Semivolatile Organics					
None Detected	--	--	--	--	--

Notes:
1. Samples were collected by ARCADIS BBL, and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. Only volatile and semivolatile analysis is presented for the MCP Method 1 GW-2 Standards Comparison.
4. NA - Not Analyzed.
5. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
6. Only those constituents detected in one or more samples are summarized.
7. -- Indicates that all constituents for the parameter group were not detected.
8. Total VOCs are being compared to the notification level in the SOW of 5 ppm, as there is no GW-2 standards for Total VOCs.

Data Qualifiers:

Organics (volatiles, semivolatiles)

J - Indicates that the associated numerical value is an estimated concentration.

Table 7
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	78-1 10/09/07	78-6 11/13/07	GMA4-6 10/08/07
Volatile Organics				
1,1,1-Trichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	50	0.0023 J	0.0014 J	ND(0.0050) J
Bromoform	50	0.00048 J	ND(0.0010)	ND(0.0010)
Chlorobenzene	1	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	50	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	30	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Toluene	4	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	5	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.00010)	ND(0.000065)	ND(0.00010)
Aroclor-1260	Not Listed	ND(0.00010)	ND(0.000065)	ND(0.00010)
Total PCBs	0.0003	ND(0.00010)	ND(0.000065)	ND(0.00010)
Semivolatile Organics				
bis(2-Ethylhexyl)phthalate	0.03	ND(0.010)	ND(0.0050)	ND(0.010)
Dimethylphthalate	50	ND(0.010)	0.00060 J	ND(0.010)
Naphthalene	20	ND(0.010)	0.0016 J	ND(0.010)
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000018)	ND(0.0000000042)	ND(0.0000000026)
TCDFs (total)	Not Listed	0.00000012 J	0.0000000076 J	0.000000023 J
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
PeCDFs (total)	Not Listed	0.000000034 J	ND(0.0000000052)	0.0000000076 J
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
HxCDFs (total)	Not Listed	0.000000010 J	ND(0.0000000052)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
OCDF	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000034)
TCDDs (total)	Not Listed	ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000034)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000001	0.0000000064	0.0000000080	0.0000000075
Inorganics-Filtered				
Arsenic	0.9	ND(0.0100) J	0.00588 J	ND(0.0100) J
Barium	50	0.0172 B	0.0667 B	0.00701 B
Beryllium	0.05	ND(0.0100) J	0.000850 J	ND(0.0100) J
Nickel	0.2	ND(0.0100)	ND(0.0100)	0.00564 B
Thallium	3	ND(0.0100)	ND(0.0100) J	0.00652 B
Tin	Not Listed	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Zinc	0.9	0.00586 B	ND(0.0200)	0.0123 B

Table 7
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	H78B-15 10/10/07	H78B-16 10/10/07	H78B-17R 10/11/07	OPCA-MW-1R 10/05/07
Volatile Organics					
1,1,1-Trichloroethane	20	ND(0.0010)	0.0014	ND(0.010)	ND(0.0010)
1,1-Dichloroethane	20	0.00010 J	0.00046 J	ND(0.010)	ND(0.0010)
1,2-Dichloroethane	20	ND(0.0010)	0.00033 J	ND(0.010)	ND(0.0010)
Acetone	50	0.0031 J	ND(0.0050) J	ND(0.050) J	ND(0.0050) J
Bromoform	50	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)
Chlorobenzene	1	ND(0.0010)	0.00051 J	ND(0.010)	ND(0.0010)
Methylene Chloride	50	ND(0.0050)	ND(0.0050)	0.0044 J	ND(0.0050)
Tetrachloroethene	30	ND(0.0010)	0.00024 J	0.0025 J	0.015
Toluene	4	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)
trans-1,2-Dichloroethene	50	ND(0.0010)	0.00030 J	0.0017 J	ND(0.0010)
Trichloroethene	5	0.00023 J	0.021	0.10	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	0.00041 J	ND(0.010)	ND(0.0010)
Vinyl Chloride	50	ND(0.0010)	0.00067 J	ND(0.010)	ND(0.0010)
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065)	NA	NA	ND(0.00010)
Aroclor-1260	Not Listed	ND(0.000065)	NA	NA	ND(0.00010)
Total PCBs	0.0003	ND(0.000065)	NA	NA	ND(0.00010)
Semivolatile Organics					
bis(2-Ethylhexyl)phthalate	0.03	ND(0.010)	NA	NA	ND(0.010)
Dimethylphthalate	50	ND(0.010)	NA	NA	ND(0.010)
Naphthalene	20	ND(0.010)	NA	NA	ND(0.010)
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000017)	NA	NA	0.0000000025 J
TCDFs (total)	Not Listed	ND(0.0000000017)	NA	NA	0.00000035 J
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
PeCDFs (total)	Not Listed	ND(0.0000000052)	NA	NA	0.00000031 J
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
HxCDFs (total)	Not Listed	ND(0.0000000052)	NA	NA	0.00000014
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
OCDF	Not Listed	ND(0.000000011)	NA	NA	ND(0.000000010)
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000020)	NA	NA	ND(0.0000000013)
TCDDs (total)	Not Listed	ND(0.0000000020)	NA	NA	ND(0.0000000013)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000011)	NA	NA	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000001	0.0000000070	NA	NA	0.0000000066
Inorganics-Filtered					
Arsenic	0.9	0.00346 B	NA	NA	ND(0.0100)
Barium	50	0.0546 B	NA	NA	ND(0.107)
Beryllium	0.05	ND(0.0100)	NA	NA	ND(0.0100) J
Nickel	0.2	ND(0.0100)	NA	NA	ND(0.0100) J
Thallium	3	ND(0.0100) J	NA	NA	ND(0.0100)
Tin	Not Listed	ND(0.0100)	NA	NA	ND(0.100) J
Zinc	0.9	0.194	NA	NA	ND(0.0200)

Table 7
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	OPCA-MW-2 10/08/07	OPCA-MW-3 10/09/07
Volatile Organics			
1,1,1-Trichloroethane	20	0.00013 J [0.00013 J]	ND(0.0010)
1,1-Dichloroethane	20	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroethane	20	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Acetone	50	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Bromoform	50	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chlorobenzene	1	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Methylene Chloride	50	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Tetrachloroethene	30	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	4	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,2-Dichloroethene	50	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichloroethene	5	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichlorofluoromethane	Not Listed	0.00040 J [0.00041 J]	ND(0.0010)
Vinyl Chloride	50	ND(0.0010) [ND(0.0010)]	ND(0.0010)
PCBs-Filtered			
Aroclor-1254	Not Listed	ND(0.00010) [ND(0.00010)]	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.00010) [ND(0.00010)]	ND(0.000065)
Total PCBs	0.0003	ND(0.00010) [ND(0.00010)]	ND(0.000065)
Semivolatile Organics			
bis(2-Ethylhexyl)phthalate	0.03	ND(0.010) [ND(0.010)]	ND(0.010)
Dimethylphthalate	50	ND(0.010) [ND(0.010)]	ND(0.010)
Naphthalene	20	ND(0.010) [ND(0.010)]	ND(0.010)
Furans			
2,3,7,8-TCDF	Not Listed	ND(0.0000000014) [ND(0.0000000015) X]	ND(0.0000000015)
TCDFs (total)	Not Listed	0.000000036 J [0.000000050 J]	ND(0.0000000015)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
PeCDFs (total)	Not Listed	0.000000016 J [0.000000049 J]	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050) [0.0000000055 J]	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
HxCDFs (total)	Not Listed	ND(0.0000000050) [0.000000017 J]	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
OCDF	Not Listed	ND(0.000000010) [ND(0.000000010)]	ND(0.000000010)
Dioxins			
2,3,7,8-TCDD	Not Listed	ND(0.0000000014) [ND(0.0000000018) X]	ND(0.0000000017)
TCDDs (total)	Not Listed	ND(0.0000000014) [ND(0.0000000012)]	ND(0.0000000017)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000010) [0.000000015 J]	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000001	0.0000000065 [0.0000000071]	0.0000000067
Inorganics-Filtered			
Arsenic	0.9	ND(0.0100) J [ND(0.0100) J]	ND(0.0100)
Barium	50	0.0144 B [0.0128 B]	0.0620 B
Beryllium	0.05	ND(0.0100) J [ND(0.0100) J]	0.000330 B
Nickel	0.2	0.00638 B [ND(0.0100)]	ND(0.0100)
Thallium	3	ND(0.0100) [ND(0.0100)]	ND(0.0100) J
Tin	Not Listed	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Zinc	0.9	ND(0.0200) [ND(0.0200)]	ND(0.0200)

Table 7
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	OPCA-MW-4 10/09/07	OPCA-MW-5R 10/09/07	OPCA-MW-6 10/15/07
Volatile Organics				
1,1,1-Trichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	50	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Bromoform	50	ND(0.0010)	ND(0.0010)	ND(0.0010) J
Chlorobenzene	1	ND(0.0010)	0.00024 J	ND(0.0010)
Methylene Chloride	50	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	30	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	4	0.00032 J	0.00011 J	ND(0.0010)
trans-1,2-Dichloroethene	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	5	0.0017	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.00010)	ND(0.000065)
Total PCBs	0.0003	ND(0.000065)	ND(0.00010)	ND(0.000065)
Semivolatile Organics				
bis(2-Ethylhexyl)phthalate	0.03	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	50	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	20	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000020)	0.0000000076 J	ND(0.0000000021)
TCDFs (total)	Not Listed	ND(0.0000000020)	0.00000069 J	ND(0.0000000021)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052) J	ND(0.0000000052)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
PeCDFs (total)	Not Listed	ND(0.0000000056)	0.00000090 J	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	0.000000053	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HxCDFs (total)	Not Listed	ND(0.0000000052)	0.00000042 J	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	0.0000000052 J
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HpCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	0.0000000052 J
OCDF	Not Listed	ND(0.000000010)	ND(0.000000010)	0.000000013 J
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000025)	ND(0.0000000014)	ND(0.0000000028)
TCDDs (total)	Not Listed	ND(0.0000000025)	ND(0.0000000014)	ND(0.0000000028)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
PeCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052) J	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HxCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HpCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
OCDD	Not Listed	ND(0.000000010)	0.000000018 J	0.000000016 J
Total TEQs (WHO TEFs)	0.0000001	0.0000000073	0.000000012	0.0000000074
Inorganics-Filtered				
Arsenic	0.9	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	50	0.0270 B	0.0536 B	ND(0.500)
Beryllium	0.05	0.00373 B	0.000330 B	0.00366 J
Nickel	0.2	ND(0.0100)	ND(0.0100)	ND(0.0500)
Thallium	3	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Tin	Not Listed	ND(0.0100)	ND(0.0100)	0.00939 J
Zinc	0.9	0.0100 B	0.00813 B	0.0196 B

Table 7
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	OPCA-MW-7 10/11-10/18/2007	OPCA-MW-8 10/11/07	SCH-4 10/08/07
Volatile Organics				
1,1,1-Trichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	50	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Bromoform	50	ND(0.0010) J	ND(0.0010) J	ND(0.0010)
Chlorobenzene	1	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	50	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	30	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	4	0.00029 J	ND(0.0010)	0.00010 J
trans-1,2-Dichloroethene	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	5	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	0.0012	ND(0.00010)	ND(0.00010)
Aroclor-1260	Not Listed	0.00091	ND(0.00010)	ND(0.00010)
Total PCBs	0.0003	0.00211	ND(0.00010)	ND(0.00010)
Semivolatile Organics				
bis(2-Ethylhexyl)phthalate	0.03	ND(0.010)	0.0017 J	ND(0.010)
Dimethylphthalate	50	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	20	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000035)	ND(0.0000000026)	ND(0.0000000017)
TCDFs (total)	Not Listed	ND(0.0000000035)	ND(0.0000000026)	0.00000012 J
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
PeCDFs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	0.000000039 J
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	0.0000000079 J
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HxCDFs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	0.000000016 J
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HpCDFs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
OCDF	Not Listed	ND(0.000000011)	ND(0.000000010)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000045)	ND(0.0000000032)	ND(0.0000000014)
TCDDs (total)	Not Listed	ND(0.0000000045)	ND(0.0000000032)	ND(0.0000000014)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
PeCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HxCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000054)	ND(0.0000000059)	ND(0.0000000053)
HpCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000059)	ND(0.0000000053)
OCDD	Not Listed	0.000000015 J	0.000000020 J	ND(0.000000011)
Total TEQs (WHO TEFs)	0.0000001	0.0000000086	0.0000000075	0.0000000074
Inorganics-Filtered				
Arsenic	0.9	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Barium	50	0.0869 B	ND(0.100)	0.0676 B
Beryllium	0.05	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Nickel	0.2	ND(0.0100)	ND(0.0100)	0.00510 B
Thallium	3	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Tin	Not Listed	ND(0.100) J	ND(0.100) J	ND(0.0100)
Zinc	0.9	0.0208	0.00726 B	0.290

Table 7
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS BBL, and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.
7. Shading indicates that value exceeds the Method 1 GW-3 Standards.
8. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles,dioxin/furans)

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

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.
R - Data was rejected due to a deficiency in the data generation process.

Table 8
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	MCP UCL for GroundWater	78-1 10/09/07	78-6 11/13/07	GMA4-6 10/08/07
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	100	0.0023 J	0.0014 J	ND(0.0050) J
Bromoform	100	0.00048 J	ND(0.0010)	ND(0.0010)
Chlorobenzene	10	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	100	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	100	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Toluene	80	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.00010)	ND(0.000065)	ND(0.00010)
Aroclor-1260	Not Listed	ND(0.00010)	ND(0.000065)	ND(0.00010)
Total PCBs	0.005	ND(0.00010)	ND(0.000065)	ND(0.00010)
Semivolatile Organics				
bis(2-Ethylhexyl)phthalate	100	ND(0.010)	ND(0.0050)	ND(0.010)
Dimethylphthalate	100	ND(0.010)	0.00060 J	ND(0.010)
Naphthalene	100	ND(0.010)	0.0016 J	ND(0.010)
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000018)	ND(0.0000000042)	ND(0.0000000026)
TCDFs (total)	Not Listed	0.00000012 J	0.0000000076 J	0.000000023 J
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
PeCDFs (total)	Not Listed	0.000000034 J	ND(0.0000000052)	0.0000000076 J
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
HxCDFs (total)	Not Listed	0.000000010 J	ND(0.0000000052)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
OCDF	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000034)
TCDDs (total)	Not Listed	ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000034)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.000001	0.0000000064	0.0000000080	0.0000000075
Inorganics-Unfiltered (sulfide)				
None Detected	--	--	--	--
Inorganics-Filtered				
Arsenic	9	ND(0.0100) J	0.00588 J	ND(0.0100) J
Barium	100	0.0172 B	0.0667 B	0.00701 B
Beryllium	0.5	ND(0.0100) J	0.000850 J	ND(0.0100) J
Nickel	2	ND(0.0100)	ND(0.0100)	0.00564 B
Thallium	30	ND(0.0100)	ND(0.0100) J	0.00652 B
Tin	Not Listed	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Zinc	50	0.00586 B	ND(0.0200)	0.0123 B

Table 8
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

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Parameter / Sample ID: / Date Collected:	MCP UCL for GroundWater	H78B-15 10/10/07	H78B-16 10/10/07	H78B-17R 10/11/07	OPCA-MW-1R 10/05/07
Volatile Organics					
1,1,1-Trichloroethane	100	ND(0.0010)	0.0014	ND(0.010)	ND(0.0010)
1,1-Dichloroethane	100	0.00010 J	0.00046 J	ND(0.010)	ND(0.0010)
1,2-Dichloroethane	100	ND(0.0010)	0.00033 J	ND(0.010)	ND(0.0010)
Acetone	100	0.0031 J	ND(0.0050) J	ND(0.050) J	ND(0.0050) J
Bromoform	100	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)
Chlorobenzene	10	ND(0.0010)	0.00051 J	ND(0.010)	ND(0.0010)
Methylene Chloride	100	ND(0.0050)	ND(0.0050)	0.0044 J	ND(0.0050)
Tetrachloroethene	100	ND(0.0010)	0.00024 J	0.0025 J	0.015
Toluene	80	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0010)
trans-1,2-Dichloroethene	100	ND(0.0010)	0.00030 J	0.0017 J	ND(0.0010)
Trichloroethene	50	0.00023 J	0.021	0.10	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	0.00041 J	ND(0.010)	ND(0.0010)
Vinyl Chloride	100	ND(0.0010)	0.00067 J	ND(0.010)	ND(0.0010)
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065)	NA	NA	ND(0.00010)
Aroclor-1260	Not Listed	ND(0.000065)	NA	NA	ND(0.00010)
Total PCBs	0.005	ND(0.000065)	NA	NA	ND(0.00010)
Semivolatile Organics					
bis(2-Ethylhexyl)phthalate	100	ND(0.010)	NA	NA	ND(0.010)
Dimethylphthalate	100	ND(0.010)	NA	NA	ND(0.010)
Naphthalene	100	ND(0.010)	NA	NA	ND(0.010)
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000017)	NA	NA	0.0000000025 J
TCDFs (total)	Not Listed	ND(0.0000000017)	NA	NA	0.00000035 J
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
PeCDFs (total)	Not Listed	ND(0.0000000052)	NA	NA	0.00000031 J
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
HxCDFs (total)	Not Listed	ND(0.0000000052)	NA	NA	0.00000014
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
OCDF	Not Listed	ND(0.000000011)	NA	NA	ND(0.000000010)
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000020)	NA	NA	ND(0.0000000013)
TCDDs (total)	Not Listed	ND(0.0000000020)	NA	NA	ND(0.0000000013)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000052)	NA	NA	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000011)	NA	NA	ND(0.000000010)
Total TEQs (WHO TEFs)	0.000001	0.0000000070	NA	NA	0.0000000066
Inorganics-Unfiltered (sulfide)					
None Detected	--	--	NA	NA	--
Inorganics-Filtered					
Arsenic	9	0.00346 B	NA	NA	ND(0.0100)
Barium	100	0.0546 B	NA	NA	ND(0.107)
Beryllium	0.5	ND(0.0100)	NA	NA	ND(0.0100) J
Nickel	2	ND(0.0100)	NA	NA	ND(0.0100) J
Thallium	30	ND(0.0100) J	NA	NA	ND(0.0100)
Tin	Not Listed	ND(0.0100)	NA	NA	ND(0.100) J
Zinc	50	0.194	NA	NA	ND(0.0200)

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Parameter / Sample ID: / Date Collected:	MCP UCL for GroundWater	OPCA-MW-2 10/08/07	OPCA-MW-3 10/09/07
Volatile Organics			
1,1,1-Trichloroethane	100	0.00013 J [0.00013 J]	ND(0.0010)
1,1-Dichloroethane	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,2-Dichloroethane	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Acetone	100	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Bromoform	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chlorobenzene	10	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Methylene Chloride	100	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Tetrachloroethene	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	80	ND(0.0010) [ND(0.0010)]	ND(0.0010)
trans-1,2-Dichloroethene	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichloroethene	50	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Trichlorofluoromethane	Not Listed	0.00040 J [0.00041 J]	ND(0.0010)
Vinyl Chloride	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)
PCBs-Filtered			
Aroclor-1254	Not Listed	ND(0.00010) [ND(0.00010)]	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.00010) [ND(0.00010)]	ND(0.000065)
Total PCBs	0.005	ND(0.00010) [ND(0.00010)]	ND(0.000065)
Semivolatile Organics			
bis(2-Ethylhexyl)phthalate	100	ND(0.010) [ND(0.010)]	ND(0.010)
Dimethylphthalate	100	ND(0.010) [ND(0.010)]	ND(0.010)
Naphthalene	100	ND(0.010) [ND(0.010)]	ND(0.010)
Furans			
2,3,7,8-TCDF	Not Listed	ND(0.0000000014) [ND(0.0000000015) X]	ND(0.0000000015)
TCDFs (total)	Not Listed	0.000000036 J [0.000000050 J]	ND(0.0000000015)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
PeCDFs (total)	Not Listed	0.000000016 J [0.000000049 J]	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000050) [0.0000000055 J]	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
HxCDFs (total)	Not Listed	ND(0.0000000050) [0.000000017 J]	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
HpCDFs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
OCDF	Not Listed	ND(0.000000010) [ND(0.000000010)]	ND(0.000000010)
Dioxins			
2,3,7,8-TCDD	Not Listed	ND(0.0000000014) [ND(0.0000000018) X]	ND(0.0000000017)
TCDDs (total)	Not Listed	ND(0.0000000014) [ND(0.0000000012)]	ND(0.0000000017)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
PeCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
HxCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
HpCDDs (total)	Not Listed	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000050)
OCDD	Not Listed	ND(0.000000010) [0.000000015 J]	ND(0.000000010)
Total TEQs (WHO TEFs)	0.000001	0.0000000065 [0.0000000071]	0.0000000067
Inorganics-Unfiltered (sulfide)			
None Detected	--	--	--
Inorganics-Filtered			
Arsenic	9	ND(0.0100) J [ND(0.0100) J]	ND(0.0100)
Barium	100	0.0144 B [0.0128 B]	0.0620 B
Beryllium	0.5	ND(0.0100) J [ND(0.0100) J]	0.000330 B
Nickel	2	0.00638 B [ND(0.0100)]	ND(0.0100)
Thallium	30	ND(0.0100) [ND(0.0100)]	ND(0.0100) J
Tin	Not Listed	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Zinc	50	ND(0.0200) [ND(0.0200)]	ND(0.0200)

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Parameter / Sample ID: / Date Collected:	MCP UCL for GroundWater	OPCA-MW-4 10/09/07	OPCA-MW-5R 10/09/07	OPCA-MW-6 10/15/07
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	100	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Bromoform	100	ND(0.0010)	ND(0.0010)	ND(0.0010) J
Chlorobenzene	10	ND(0.0010)	0.00024 J	ND(0.0010)
Methylene Chloride	100	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	80	0.00032 J	0.00011 J	ND(0.0010)
trans-1,2-Dichloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	50	0.0017	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.00010)	ND(0.000065)
Total PCBs	0.005	ND(0.000065)	ND(0.00010)	ND(0.000065)
Semivolatile Organics				
bis(2-Ethylhexyl)phthalate	100	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	100	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	100	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000020)	0.0000000076 J	ND(0.0000000021)
TCDFs (total)	Not Listed	ND(0.0000000020)	0.00000069 J	ND(0.0000000021)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052) J	ND(0.0000000052)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
PeCDFs (total)	Not Listed	ND(0.0000000056)	0.00000090 J	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	0.000000053	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HxCDFs (total)	Not Listed	ND(0.0000000052)	0.00000042 J	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	0.0000000052 J
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HpCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	0.0000000052 J
OCDF	Not Listed	ND(0.000000010)	ND(0.000000010)	0.000000013 J
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000025)	ND(0.0000000014)	ND(0.0000000028)
TCDDs (total)	Not Listed	ND(0.0000000025)	ND(0.0000000014)	ND(0.0000000028)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
PeCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052) J	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HxCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HpCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
OCDD	Not Listed	ND(0.000000010)	0.000000018 J	0.000000016 J
Total TEQs (WHO TEFs)	0.000001	0.0000000073	0.000000012	0.0000000074
Inorganics-Unfiltered (sulfide)				
None Detected	--	--	--	--
Inorganics-Filtered				
Arsenic	9	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	100	0.0270 B	0.0536 B	ND(0.500)
Beryllium	0.5	0.00373 B	0.000330 B	0.00366 J
Nickel	2	ND(0.0100)	ND(0.0100)	ND(0.0500)
Thallium	30	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Tin	Not Listed	ND(0.0100)	ND(0.0100)	0.00939 J
Zinc	50	0.0100 B	0.00813 B	0.0196 B

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Parameter / Sample ID: / Date Collected:	MCP UCL for GroundWater	OPCA-MW-7 10/11-10/18/2007	OPCA-MW-8 10/11/07	SCH-4 10/08/07
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	100	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Bromoform	100	ND(0.0010) J	ND(0.0010) J	ND(0.0010)
Chlorobenzene	10	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	100	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	80	0.00029 J	ND(0.0010)	0.00010 J
trans-1,2-Dichloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	0.0012	ND(0.00010)	ND(0.00010)
Aroclor-1260	Not Listed	0.00091	ND(0.00010)	ND(0.00010)
Total PCBs	0.005	0.00211	ND(0.00010)	ND(0.00010)
Semivolatile Organics				
bis(2-Ethylhexyl)phthalate	100	ND(0.010)	0.0017 J	ND(0.010)
Dimethylphthalate	100	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	100	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000035)	ND(0.0000000026)	ND(0.0000000017)
TCDFs (total)	Not Listed	ND(0.0000000035)	ND(0.0000000026)	0.00000012 J
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
PeCDFs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	0.000000039 J
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	0.0000000079 J
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HxCDFs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	0.000000016 J
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HpCDFs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
OCDF	Not Listed	ND(0.000000011)	ND(0.000000010)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000045)	ND(0.0000000032)	ND(0.0000000014)
TCDDs (total)	Not Listed	ND(0.0000000045)	ND(0.0000000032)	ND(0.0000000014)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
PeCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HxCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000054)	ND(0.0000000059)	ND(0.0000000053)
HpCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000059)	ND(0.0000000053)
OCDD	Not Listed	0.000000015 J	0.000000020 J	ND(0.000000011)
Total TEQs (WHO TEFs)	0.000001	0.0000000086	0.0000000075	0.0000000074
Inorganics-Unfiltered (sulfide)				
None Detected	--	--	--	--
Inorganics-Filtered				
Arsenic	9	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Barium	100	0.0869 B	ND(0.100)	0.0676 B
Beryllium	0.5	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Nickel	2	ND(0.0100)	ND(0.0100)	0.00510 B
Thallium	30	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Tin	Not Listed	ND(0.100) J	ND(0.100) J	ND(0.0100)
Zinc	50	0.0208	0.00726 B	0.290

Table 8
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS BBL, and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.
7. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles,dioxin/furans)

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

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.
R - Data was rejected due to a deficiency in the data generation process.

Table 9
Spring 2008 Interim Groundwater Quality Monitoring Activities

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Analyses	Basis for Inclusion/Comments
78-1	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
78-6	GW-3 Perimeter/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
GMA4-6	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
H78B-15	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
H78B-16	Supplemental Well for TCE Evaluation	Annual - Spring 2008	VOC	Sampling of these two wells is to be conducted on an annual basis, alternating between the spring and fall seasons each year. This schedule began with the spring 2004 event and the next scheduled sampling will be spring 2008.
H78B-17R	GW-3 Perimeter (Downgradient)	Annual - Spring 2008	VOC	
OPCA-MW-1RR	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampling will resume after this replacement well is installed.
OPCA-MW-2R	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampling will resume after this replacement well is installed.
OPCA-MW-3	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-4	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-5R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-6	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-7	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2,3)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-8	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.

NOTES:

1. Appendix IX+3 analyses consists of those non-PCB constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides) plus three constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine.
2. Per the interim monitoring program protocols, analyses for PCBs, metals, and cyanide performed on filtered samples only.

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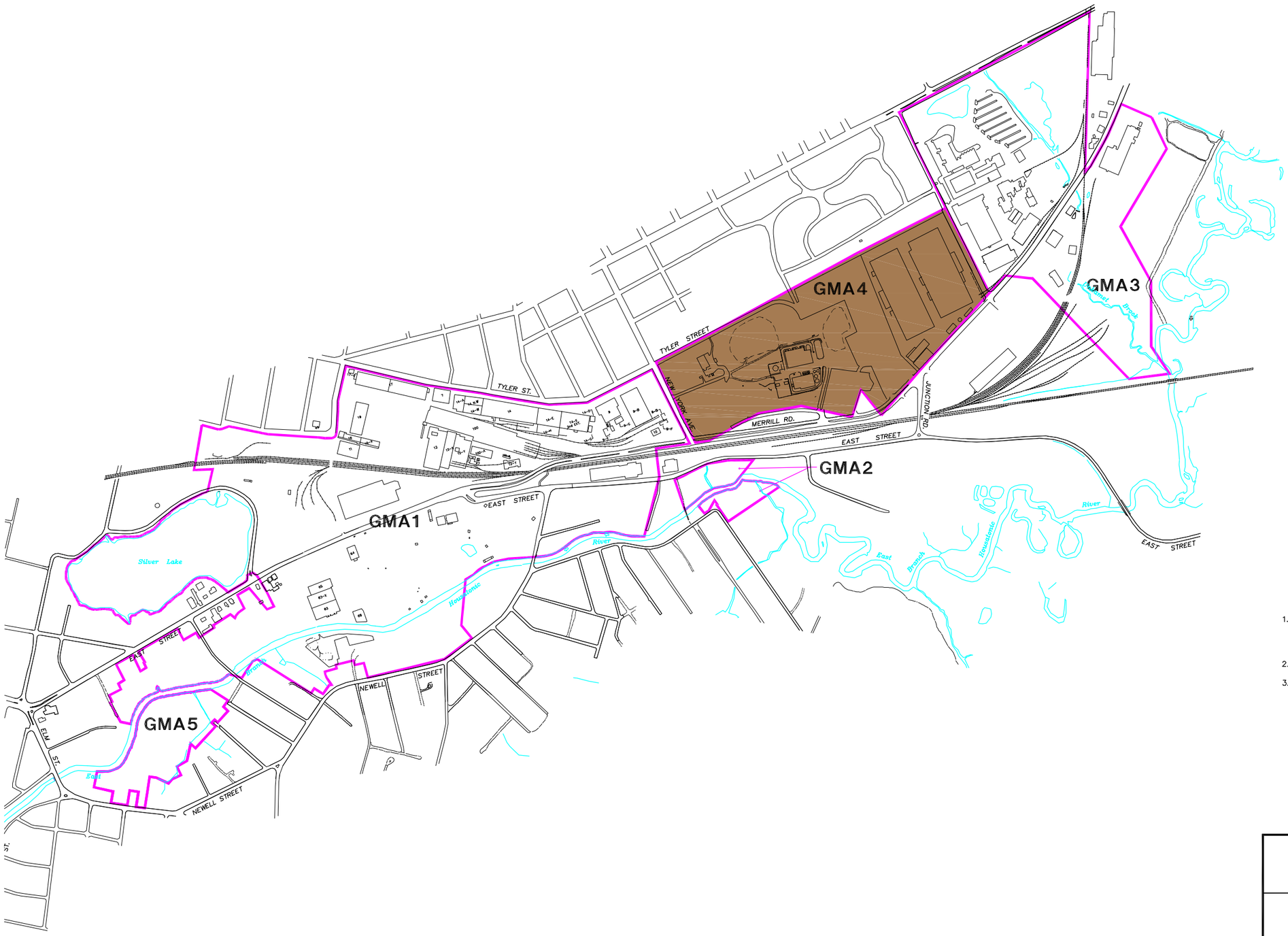
Figures



LEGEND:

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

GENERAL NOTES:

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

0 500' 1000'
APPROXIMATE SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA4 INTERIM MONITORING PROGRAM

GROUNDWATER MANAGEMENT AREAS

ARCADIS

FIGURE
1

CITY:SYR DIV/GROUP:85 DB:DMW LD:DMW AM: PD: TM: TR: LYR:ON=*;OFF=*REF*
G:\CAD\GE:CADN-ACTIB\2018700\00003\DWG\FALL07\20187B02.DWG LAYOUT: 1 SAVED: 2/26/2008 1:04 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/26/2008 4:14 PM BY: WODARCZYK, DAVID
XREFS:
20187X00
20187X10
IMAGES:
PROJECTNAME: ----

NOTES:

1. MAPPING BASED ON AUTOCAD DRAWING FILE (PLANT3.CAD) AS PROVIDED BY GE AND ADDITIONAL INFORMATION FROM THE MCP PHASE II SCOPE OF WORK AND PROPOSAL FOR RCRA FACILITY INVESTIGATION (O'BRIEN & GERE ENGINEERS, INC., FEBRUARY 1996) AS WELL AS SUPPLEMENTAL SITE SURVEY INFORMATION OBTAINED BY HILL ENGINEERS, PLANNERS & ARCHITECTS (WEEK OF MAY 29, 1997). LOCATIONS EAST OF THE PARKING LOT DIGITIZED FROM MARCH 2000 AIR PHOTO AND ARE APPROXIMATE.
2. ALL LOCATIONS ARE APPROXIMATE.

CONNECTICUT AVE.
VIRGINIA AVE.
CALIFORNIA AVE.
PLASTICS AVE.
TYLER STREET EXTENSION
NEW YORK AVE.
MERRILL ROAD
ALLENDALE SCHOOL
ALLENDALE SCHOOL PROPERTY
BUILDING 71 OPCA EXPANSION (APPROXIMATE LOCATION)
HILL 78 OPCA (APPROXIMATE EXISTING BOUNDARY)
BUILDING 71 OPCA (APPROXIMATE EXISTING BOUNDARY)
PARKING LOT
OP-1
OP-2
STORMWATER BASIN
STORMWATER BASIN
GAS TURBINE GENERATOR BUILDING
COOLING TOWER
STEAM TURBINE GENERATOR BLDG.
TANKS
SOIL STOCKPILE AREA
30" CULVERT
SWALE
SWALE A
SWALE B
SWALE C
78
73
14-E

SCH-1, PZ-3, PZ-2, PZ-1, PZ-4, SCH-4, 78-1, 78-2, 78-6, 78-7, 78-3, 78-4, 78-5R, UB-MW-5, UB-MW-8, UB-MW-6, UB-MW-7, GMA 4-2, GMA 4-3, GMA 4-4, GMA4-6, GMA4-1, GMA4-5, 60A/B-R, RF-14, RF-15, NY-4, NY-3, NY-2, NY-1, ES1-20, ES1-6, OPCA-MW-8, OPCA-MW-7, OPCA-MW-6, OPCA-MW-5/5R, OPCA-MW-4, OPCA-MW-3, OPCA-MW-2, OPCA-MW-1, OPCA-MW-1R, ASW-1, ASW-2, ASW-3, ASW-4, ASW-5, ASW-6, H78B-8/8R, H78B-11, H78B-12, H78B-13R, H78B-15, H78B-16, H78B-17R, H78B-18, H78B-28R

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- H78B-15 EXISTING MONITORING WELL
- PZ-1 EXISTING WELL/PIEZOMETER MONITORED BY EPA
- H78B-28/28R DECOMMISSIONED WELL LOCATION
- ASW-4 DEEP WATER SUPPLY WELL
- GW-2 SENTINEL/COMPLIANCE WELL
- GW-3 PERIMETER WELL
- GENERAL/SOURCE AREA SENTINEL WELL (GW-3)
- OPCA GROUNDWATER MONITORING PROGRAM WELL TO BE SAMPLED SEMI-ANNUALLY
- HISTORICAL EXTENT OF LNAPL
- WELL TO BE SAMPLED ANNUALLY FOR VOCs

0 120' 240'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA4 INTERIM MONITORING PROGRAM

SITE PLAN

ARCADIS

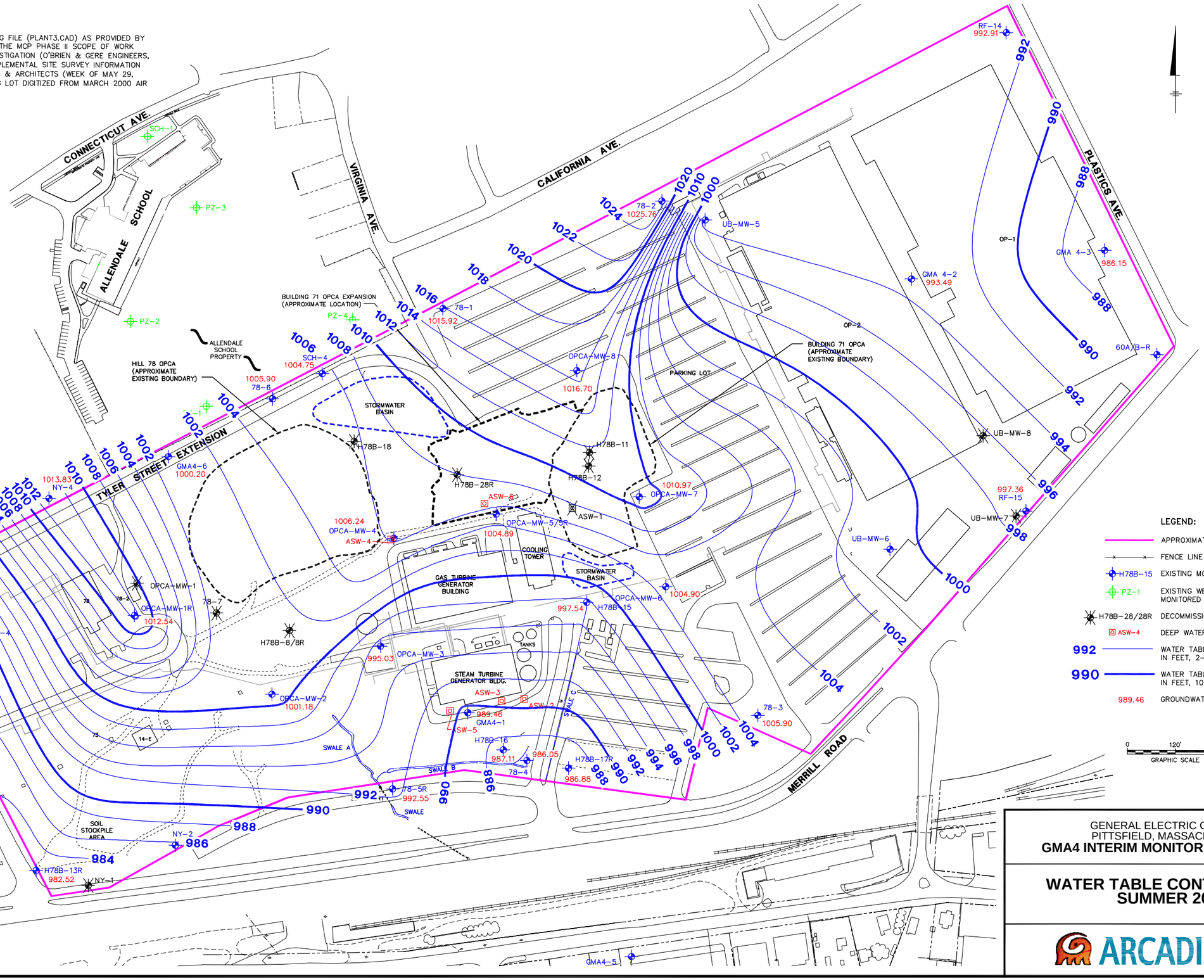
FIGURE 2

CITY: SYR DIV/GROUP: 85 DB:DMW LD:DMW AM: PD: TM: TR: LYR:ON=*;OFF=*REF*
G:\CADGE-CADN-ACT\B002018\7000\000003\DWG\FALL07\20187B04.DWG LAYOUT: 2 SAVED: 2/26/2008 1:04 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ----
XREFS: IMAGES: PROJECTNAME: ----
20187X07
20187X00
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 2/26/2008 4:15 PM BY: WODARCZYK, DAVID

NOTES:

1. MAPPING BASED ON AUTOCAD DRAWING FILE (PLANT3.CAD) AS PROVIDED BY GE AND ADDITIONAL INFORMATION FROM THE MCP PHASE II SCOPE OF WORK AND PROPOSAL FOR RCRA FACILITY INVESTIGATION (O'BRIEN & GERE ENGINEERS, INC., FEBRUARY 1996) AS WELL AS SUPPLEMENTAL SITE SURVEY INFORMATION OBTAINED BY HILL ENGINEERS, PLANNERS & ARCHITECTS (WEEK OF MAY 29, 1997). LOCATIONS EAST OF THE PARKING LOT DIGITIZED FROM MARCH 2000 AIR PHOTO AND ARE APPROXIMATE.

2. ALL LOCATIONS ARE APPROXIMATE.



GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA4 INTERIM MONITORING PROGRAM

WATER TABLE CONTOUR MAP - SUMMER 2007

ARCADIS

FIGURE 3

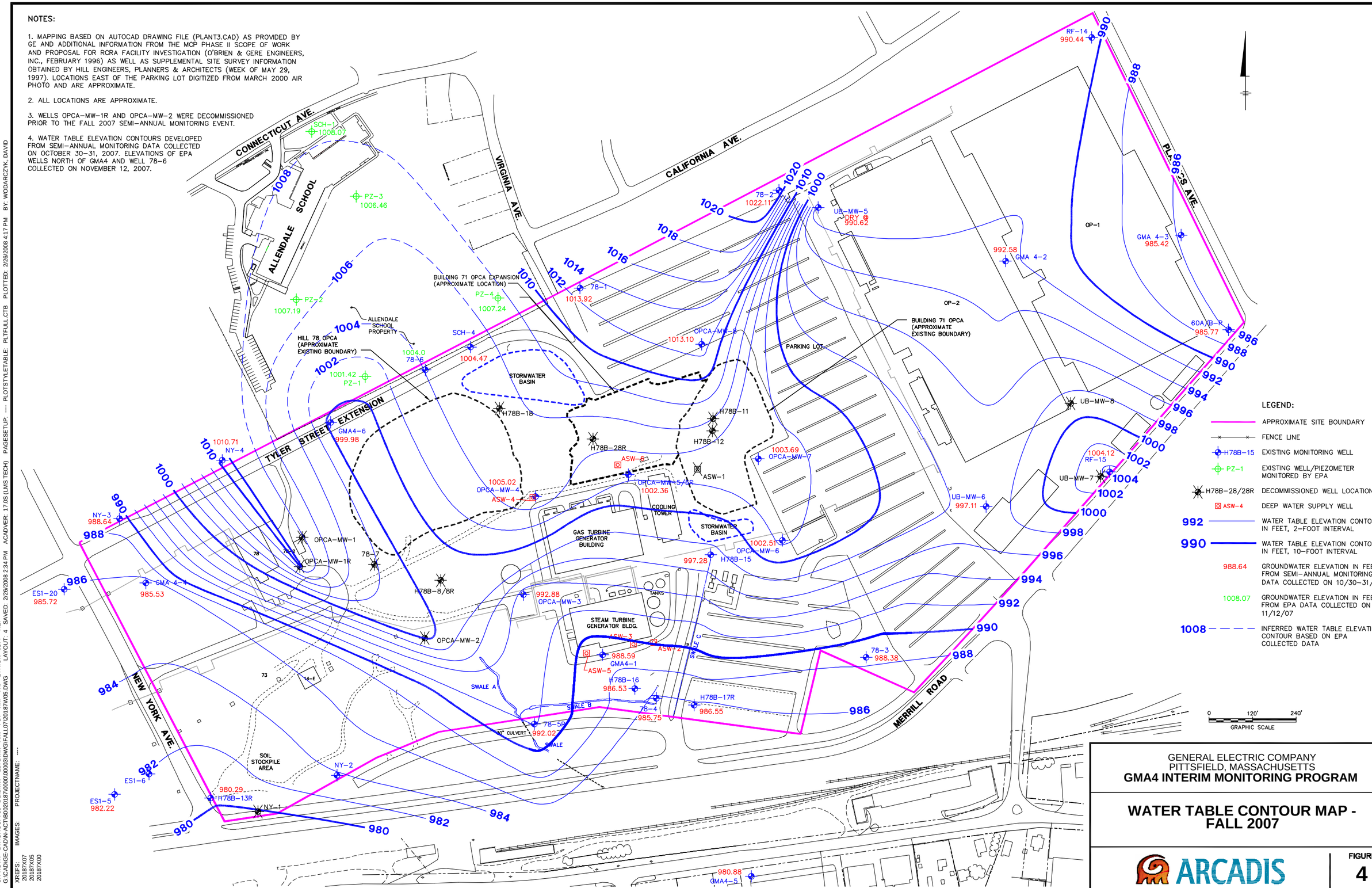
NOTES:

1. MAPPING BASED ON AUTOCAD DRAWING FILE (PLANT3.CAD) AS PROVIDED BY GE AND ADDITIONAL INFORMATION FROM THE MCP PHASE II SCOPE OF WORK AND PROPOSAL FOR RCRA FACILITY INVESTIGATION (O'BRIEN & GERE ENGINEERS, INC., FEBRUARY 1996) AS WELL AS SUPPLEMENTAL SITE SURVEY INFORMATION OBTAINED BY HILL ENGINEERS, PLANNERS & ARCHITECTS (WEEK OF MAY 29, 1997). LOCATIONS EAST OF THE PARKING LOT DIGITIZED FROM MARCH 2000 AIR PHOTO AND ARE APPROXIMATE.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WELLS OPCA–MW–1R AND OPCA–MW–2 WERE DECOMMISSIONED PRIOR TO THE FALL 2007 SEMI–ANNUAL MONITORING EVENT.

4. WATER TABLE ELEVATION CONTOURS DEVELOPED FROM SEMI–ANNUAL MONITORING DATA COLLECTED ON OCTOBER 30–31, 2007. ELEVATIONS OF EPA WELLS NORTH OF GMA4 AND WELL 78–6 COLLECTED ON NOVEMBER 12, 2007.



LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- H78B–15 EXISTING MONITORING WELL
- PZ–1 EXISTING WELL/PIEZOMETER MONITORED BY EPA
- H78B–28/28R DECOMMISSIONED WELL LOCATION
- ASW–4 DEEP WATER SUPPLY WELL
- 992 WATER TABLE ELEVATION CONTOUR IN FEET, 2–FOOT INTERVAL
- 990 WATER TABLE ELEVATION CONTOUR IN FEET, 10–FOOT INTERVAL
- 988.64 GROUNDWATER ELEVATION IN FEET FROM SEMI–ANNUAL MONITORING DATA COLLECTED ON 10/30–31/07
- 1008.07 GROUNDWATER ELEVATION IN FEET FROM EPA DATA COLLECTED ON 11/12/07
- 1008 INFERRED WATER TABLE ELEVATION CONTOUR BASED ON EPA COLLECTED DATA

0 120' 240'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA4 INTERIM MONITORING PROGRAM

WATER TABLE CONTOUR MAP - FALL 2007

ARCADIS

FIGURE 4

CALIFORNIA AVE.
VIRGINIA AVE.
PLASTICS AVE.
TYLER STREET EXTENSION
NEW YORK AVE.
MERRILL ROAD
ALLENDALE SCHOOL PROPERTY
HILL 78 OPCA (APPROXIMATE EXISTING BOUNDARY)
BUILDING 71 OPCA EXPANSION (APPROXIMATE LOCATION)
PARKING LOT
STORMWATER BASIN
BUILDING 71 OPCA
GAS TURBINE GENERATOR BUILDING
COOLING TOWER
STEAM TURBINE GENERATOR BLDG.
STORMWATER BASIN
SOIL STOCKPILE AREA
SWALE A
SWALE B
SWALE C
30" CULVERT
SWALE
OP-1
OP-2
78
78-2
73
14-E
TANK 3
78-1 (1015.4)
78-2 (1032.9)
78-3 (994.6)
78-4 (982.5)
78-5R (985.4)
78-6 (999.1)
78-7 (<993)
ES1-5
ES1-6 (964.6)
ES1-20 (<980)
GMA 4-1
GMA 4-2
GMA 4-3
GMA 4-4 (983.8)
GMA 4-5
H78B-8/8R (<993)
H78B-11
H78B-12
H78B-13R (967.8)
H78B-15
H78B-16 (982.2)
H78B-17R (985.2)
H78B-18 (996.6)
H78B-19 (1005.4)
H78B-20 (<993.1)
H78B-21 (1006.7)
H78B-24 (1008.9)
H78B-25 (1007.9)
H78B-27 (1002.3)
H78B-28R (1004.4)
H78B-29 (984.7)
60A/B-R (<979))
ASW-1 (998.6)
ASW-2 (985.3)
ASW-3
ASW-4
ASW-5
ASW-6
NY-1
NY-2 (980.9)
NY-3 (989.8)
NY-4 (1020.8)
OPCA-1 (<1001.2)
OPCA-2 (<995.7)
OPCA-3 (<1004.6)
OPCA-4 (<997.2)
OPCA-5 (1011.5)
OPCA-6 (1022.4)
OPCA-7 (1011.1)
OPCA-8 (995.8)
OPCA-9 (1002.0)
OPCA-MW-1 (1003.1)
OPCA-MW-1R (1003.0)
OPCA-MW-2 (<993.8)
OPCA-MW-3 (<987.5)
OPCA-MW-4 (<997.2)
OPCA-MW-5/5R (999.6)
OPCA-MW-6 (<997.7)
OPCA-MW-7 (1009.9)
OPCA-MW-8 (1021.9)
RA9-1 (980)
RA9-2 (978.2)
RF-14 (985.6)
RF-15 (995.3)
SCH-4 (1006.7)
UB-MW-5 (1004.3)
UB-MW-6 (1006.3)
UB-MW-7 (998.1)
UB-MW-8 (1001.0)

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- H78B-15 EXISTING MONITORING WELL
- ASW-4 DEEP WATER SUPPLY WELL
- H78B-12 OR ASW-1 DECOMMISSIONED WELL LOCATION
- OPCA-8 EXISTING SOIL BORING LOCATION
- (995.8) TOP OF TILL ELEVATION IN FEET
- (<993) THE TILL UNIT WAS NOT ENCOUNTERED WITHIN THE TOTAL DEPTH OF THE BORING. THE ELEVATION GIVEN WITH A LESS THAN SIGN (<) IS THE ELEVATION OF THE BASE OF BORING AND THE TOP OF TILL UNIT IS INTERPRETED TO BE BELOW THAT DEPTH.
- 995 TOP OF TILL ELEVATION CONTOUR LINE IN FEET WATER TABLE ELEVATION IN FEET

0 120' 240'
GRAPHIC SCALE

NOTES:

1. MAPPING BASED ON AUTOCAD DRAWING FILE (PLANT3.CAD) AS PROVIDED BY GE AND ADDITIONAL INFORMATION FROM THE MCP PHASE II SCOPE OF WORK AND PROPOSAL FOR RCRA FACILITY INVESTIGATION (O'BRIEN & GERE ENGINEERS, INC., FEBRUARY 1996) AS WELL AS SUPPLEMENTAL SITE SURVEY INFORMATION OBTAINED BY HILL ENGINEERS, PLANNERS & ARCHITECTS (WEEK OF MAY 29, 1997). LOCATIONS EAST OF THE PARKING LOT DIGITIZED FROM MARCH 2000 AIR PHOTO AND ARE APPROXIMATE.

2. ALL LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA4 INTERIM MONITORING PROGRAM

TOP OF TILL CONTOUR MAP

ARCADIS

FIGURE 5

CITY:SYR DIV/GROUP:85 DB:DMW LD:DMW AM: PD: TM: TR: LYR:ON=*;OFF=*REF* PAGESETUP: ----
G:\CADGE-CADN-ACT\B0020187\0000\00003\DWG\FALL07\20187W04.DWG LAYOUT: 5 SAVED: 2/26/2008 1:05 PM ACADVER: 17.0S (LMS TECH) BY: WODARCZYK, DAVID
XREFS: IMAGES: PROJECTNAME: ----
20187X01
20187X05
20187X00

Appendices

ARCADIS

Appendix A

Groundwater Analytical Results – Fall 2007

Table A-1
Fall 2007 Groundwater Analytical Results

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 10/09/07	78-6 11/13/07	GMA4-6 10/08/07	H78B-15 10/10/07
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00010 J
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
2-Butanone	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
2-Chloro-1,3-butadiene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Chloroethylvinylether	R	ND(0.013) J	ND(0.013) J	ND(0.013) J
2-Hexanone	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3-Chloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
4-Methyl-2-pentanone	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Acetone	0.0023 J	0.0014 J	ND(0.0050) J	0.0031 J
Acetonitrile	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Acrolein	ND(0.025) J	ND(0.025) J	ND(0.025) J	ND(0.025) J
Acrylonitrile	ND(0.025) J	ND(0.025) J	ND(0.025) J	ND(0.025) J
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	0.00048 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Tetrachloride	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Iodomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	ND(0.050) J	ND(0.050) J	ND(0.050) J	ND(0.050) J
Methacrylonitrile	ND(0.010)	ND(0.010) J	ND(0.010)	ND(0.010)
Methyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Styrene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0010) J	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	0.00023 J
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Acetate	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	0.0028 J	0.0014 J	ND(0.10)	0.0034 J

Table A-1
Fall 2007 Groundwater Analytical Results

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 10/09/07	78-6 11/13/07	GMA4-6 10/08/07	H78B-15 10/10/07
PCBs-Filtered				
Aroclor-1016	ND(0.00010)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1221	ND(0.00010)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1232	ND(0.00010)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1242	ND(0.00010)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1248	ND(0.00010)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1254	ND(0.00010)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1260	ND(0.00010)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Total PCBs	ND(0.00010)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
1,3-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
1-Naphthylamine	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
2,3,4,6-Tetrachlorophenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2-Acetylaminofluorene	ND(0.020)	ND(0.010)	ND(0.020)	ND(0.020)
2-Chloronaphthalene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2-Naphthylamine	ND(0.050) J	ND(0.025)	ND(0.050) J	ND(0.050) J
2-Nitroaniline	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2-Nitrophenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010) J	ND(0.0050) J	ND(0.010) J	ND(0.010) J
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.010)	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.050) J	ND(0.025) J	ND(0.050) J	ND(0.050) J
3-Methylcholanthrene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
3-Nitroaniline	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
4-Chlorobenzilate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
4-Nitroaniline	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
4-Nitroquinoline-1-oxide	ND(0.050) J	ND(0.025)	ND(0.050) J	ND(0.050) J
4-Phenylenediamine	ND(0.020) J	ND(0.010)	ND(0.020) J	ND(0.020) J
5-Nitro-o-toluidine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.050) J	ND(0.025)	ND(0.050) J	ND(0.050) J
Acenaphthene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Acetophenone	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Aniline	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)

Table A-1
Fall 2007 Groundwater Analytical Results

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 10/09/07	78-6 11/13/07	GMA4-6 10/08/07	H78B-15 10/10/07
Semivolatile Organics (continued)				
Anthracene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Aramite	ND(0.010) J	ND(0.0050) J	ND(0.010) J	ND(0.010) J
Benzidine	ND(0.020) J	ND(0.010) J	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Benzyl Alcohol	ND(0.020)	ND(0.010)	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Butylbenzylphthalate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Chrysene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Diallate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	0.00060 J	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Diphenylamine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Hexachlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Hexachlorobutadiene	ND(0.010)	ND(0.0050) J	ND(0.010)	ND(0.010)
Hexachlorocyclopentadiene	ND(0.020) J	ND(0.010)	ND(0.020) J	ND(0.020) J
Hexachloroethane	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.010) J	ND(0.0050) J	ND(0.010) J	ND(0.010) J
Hexachloropropene	ND(0.020)	ND(0.010)	ND(0.020)	ND(0.020)
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Isodrin	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Isophorone	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Methapyrilene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Methyl Methanesulfonate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	0.0016 J	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitrosomorpholine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitrosopiperidine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
o-Toluidine	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Pentachlorobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Pentachloroethane	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	ND(0.025)	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Pronamide	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)

Table A-1
Fall 2007 Groundwater Analytical Results

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 10/09/07	78-6 11/13/07	GMA4-6 10/08/07	H78B-15 10/10/07
Semivolatile Organics (continued)				
Pyrene	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Pyridine	ND(0.010) J	ND(0.0050)	ND(0.010)	ND(0.010)
Safrole	ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)
Thionazin	ND(0.020)	ND(0.010)	ND(0.020)	ND(0.020)
Furans				
2,3,7,8-TCDF	ND(0.0000000018)	ND(0.0000000042)	ND(0.0000000026)	ND(0.0000000017)
TCDFs (total)	0.00000012 J	0.0000000076 J	0.000000023 J	ND(0.0000000017)
1,2,3,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
PeCDFs (total)	0.000000034 J	ND(0.0000000052)	0.0000000076 J	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
HxCDFs (total)	0.000000010 J	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
HpCDFs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
OCDF	ND(0.000000010)	ND(0.000000011)	ND(0.000000010)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000034)	ND(0.0000000020)
TCDDs (total)	ND(0.0000000012)	ND(0.0000000037)	ND(0.0000000034)	ND(0.0000000020)
1,2,3,7,8-PeCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
HxCDDs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
HpCDDs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000052)
OCDD	ND(0.000000010)	ND(0.000000011)	ND(0.000000010)	ND(0.000000011)
Total TEQs (WHO TEFs)	0.0000000064	0.0000000080	0.0000000075	0.0000000070
Inorganics-Unfiltered (sulfide)				
Sulfide	R	ND(1.00) J	ND(1.00) J	ND(1.00) J
Inorganics-Filtered				
Antimony	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100) J	0.00588 J	ND(0.0100) J	0.00346 B
Barium	0.0172 B	0.0667 B	0.00701 B	0.0546 B
Beryllium	ND(0.0100) J	0.000850 J	ND(0.0100) J	ND(0.0100)
Cadmium	ND(0.00500) J	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Cobalt	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Copper	ND(0.0100)	ND(0.0100) J	ND(0.0100)	ND(0.0100)
Cyanide-MADEP (PAC)	ND(0.00600)	ND(0.00600)	ND(0.00600)	ND(0.00600)
Lead	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	ND(0.000285)	ND(0.000285)	ND(0.000285)	ND(0.000285)
Nickel	ND(0.0100)	ND(0.0100)	0.00564 B	ND(0.0100)
Selenium	ND(0.0200) J	ND(0.0200) J	ND(0.0200) J	ND(0.0200)
Silver	ND(0.0100) J	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Thallium	ND(0.0100)	ND(0.0100) J	0.00652 B	ND(0.0100) J
Tin	ND(0.0100)	ND(0.0100) J	ND(0.0100)	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.00586 B	ND(0.0200)	0.0123 B	0.194

Table A-1
Fall 2007 Groundwater Analytical Results

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-16 10/10/07	H78B-17R 10/11/07	OPCA-MW-1R 10/05/07	OPCA-MW-2 10/08/07
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1,1-Trichloroethane	0.0014	ND(0.010)	ND(0.0010)	0.00013 J [0.00013 J]
1,1,2,2-Tetrachloroethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1,2-Trichloroethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethane	0.00046 J	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,1-Dichloroethene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2,3-Trichloropropane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dibromo-3-chloropropane	ND(0.0050) J	ND(0.050) J	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]
1,2-Dibromoethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichloroethane	0.00033 J	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,2-Dichloropropane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
1,4-Dioxane	ND(0.10) J	ND(1.0) J	ND(0.10) J	ND(0.10) J [ND(0.10) J]
2-Butanone	ND(0.0050) J	ND(0.050) J	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]
2-Chloro-1,3-butadiene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
2-Chloroethylvinylether	ND(0.013) J	ND(0.13) J	ND(0.013) J	ND(0.013) J [ND(0.013) J]
2-Hexanone	ND(0.0050)	ND(0.050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
3-Chloropropene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
4-Methyl-2-pentanone	ND(0.0050)	ND(0.050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Acetone	ND(0.0050) J	ND(0.050) J	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]
Acetonitrile	ND(0.020) J	ND(0.20) J	ND(0.020) J	ND(0.020) J [ND(0.020) J]
Acrolein	ND(0.025) J	ND(0.25) J	ND(0.025) J	ND(0.025) J [ND(0.025) J]
Acrylonitrile	ND(0.025) J	ND(0.25) J	ND(0.025) J	ND(0.025) J [ND(0.025) J]
Benzene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromodichloromethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromoform	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Bromomethane	ND(0.0010)	ND(0.010) J	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Carbon Disulfide	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Carbon Tetrachloride	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chlorobenzene	0.00051 J	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroform	ND(0.0010)	ND(0.0045)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloromethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
cis-1,3-Dichloropropene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dibromochloromethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dibromomethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dichlorodifluoromethane	ND(0.0010)	ND(0.010) J	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Ethyl Methacrylate	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Ethylbenzene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Iodomethane	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Isobutanol	ND(0.050) J	ND(0.50) J	ND(0.050) J	ND(0.050) J [ND(0.050) J]
Methacrylonitrile	ND(0.010)	ND(0.10)	ND(0.010)	ND(0.010) [ND(0.010)]
Methyl Methacrylate	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Methylene Chloride	ND(0.0050)	0.0044 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Propionitrile	ND(0.020) J	ND(0.20) J	ND(0.020) J	ND(0.020) J [ND(0.020) J]
Styrene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Tetrachloroethene	0.00024 J	0.0025 J	0.015	ND(0.0010) [ND(0.0010)]
Toluene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	0.00030 J	0.0017 J	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,3-Dichloropropene	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Trichloroethene	0.021	0.10	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trichlorofluoromethane	0.00041 J	ND(0.010)	ND(0.0010)	0.00040 J [0.00041 J]
Vinyl Acetate	ND(0.0025)	ND(0.025)	ND(0.0025)	ND(0.0025) [ND(0.0025)]
Vinyl Chloride	0.00067 J	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Xylenes (total)	ND(0.0010)	ND(0.010)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Total VOCs	0.025 J	0.11 J	0.015	0.00053 J [0.00054 J]

Table A-1
Fall 2007 Groundwater Analytical Results

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-16 10/10/07	H78B-17R 10/11/07	OPCA-MW-1R 10/05/07	OPCA-MW-2 10/08/07
PCBs-Filtered				
Aroclor-1016	NA	NA	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Aroclor-1221	NA	NA	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Aroclor-1232	NA	NA	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Aroclor-1242	NA	NA	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Aroclor-1248	NA	NA	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Aroclor-1254	NA	NA	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Aroclor-1260	NA	NA	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Total PCBs	NA	NA	ND(0.00010)	ND(0.00010) [ND(0.00010)]
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
1,2,4-Trichlorobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
1,2-Dichlorobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
1,2-Diphenylhydrazine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
1,3,5-Trinitrobenzene	NA	NA	ND(0.050)	ND(0.050) [ND(0.050)]
1,3-Dichlorobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
1,3-Dinitrobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
1,4-Dichlorobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
1,4-Naphthoquinone	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
1-Naphthylamine	NA	NA	ND(0.050)	ND(0.050) [ND(0.050)]
2,3,4,6-Tetrachlorophenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2,4,5-Trichlorophenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2,4,6-Trichlorophenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2,4-Dichlorophenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2,4-Dimethylphenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2,4-Dinitrophenol	NA	NA	ND(0.050)	ND(0.050) [ND(0.050)]
2,4-Dinitrotoluene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2,6-Dichlorophenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2,6-Dinitrotoluene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2-Acetylaminofluorene	NA	NA	ND(0.020)	ND(0.020) [ND(0.020)]
2-Chloronaphthalene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2-Chlorophenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2-Methylnaphthalene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2-Methylphenol	NA	NA	ND(0.010) J	ND(0.010) [ND(0.010)]
2-Naphthylamine	NA	NA	ND(0.050)	ND(0.050) J [ND(0.050) J]
2-Nitroaniline	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
2-Nitrophenol	NA	NA	R	ND(0.010) [ND(0.010)]
2-Picoline	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
3&4-Methylphenol	NA	NA	ND(0.010)	ND(0.010) J [ND(0.010) J]
3,3'-Dichlorobenzidine	NA	NA	ND(0.020)	ND(0.020) [ND(0.020)]
3,3'-Dimethylbenzidine	NA	NA	ND(0.050)	ND(0.050) J [ND(0.050) J]
3-Methylcholanthrene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
3-Nitroaniline	NA	NA	ND(0.050)	ND(0.050) [ND(0.050)]
4,6-Dinitro-2-methylphenol	NA	NA	ND(0.050)	ND(0.050) [ND(0.050)]
4-Aminobiphenyl	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
4-Bromophenyl-phenylether	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
4-Chloro-3-Methylphenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
4-Chloroaniline	NA	NA	ND(0.050)	ND(0.050) [ND(0.050)]
4-Chlorobenzilate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
4-Chlorophenyl-phenylether	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
4-Nitroaniline	NA	NA	R	ND(0.050) [ND(0.050)]
4-Nitrophenol	NA	NA	ND(0.050) J	ND(0.050) [ND(0.050)]
4-Nitroquinoline-1-oxide	NA	NA	ND(0.050) J	ND(0.050) J [ND(0.050) J]
4-Phenylenediamine	NA	NA	ND(0.020) J	ND(0.020) J [ND(0.020) J]
5-Nitro-o-toluidine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
7,12-Dimethylbenz(a)anthracene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
a,a'-Dimethylphenethylamine	NA	NA	ND(0.050) J	ND(0.050) J [ND(0.050) J]
Acenaphthene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Acenaphthylene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Acetophenone	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Aniline	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-16 10/10/07	H78B-17R 10/11/07	OPCA-MW-1R 10/05/07	OPCA-MW-2 10/08/07
Semivolatile Organics (continued)				
Anthracene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Aramite	NA	NA	ND(0.010) J	ND(0.010) J [ND(0.010) J]
Benzidine	NA	NA	ND(0.020) J	ND(0.020) J [ND(0.020) J]
Benzo(a)anthracene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Benzo(a)pyrene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Benzo(b)fluoranthene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Benzo(g,h,i)perylene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Benzo(k)fluoranthene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Benzyl Alcohol	NA	NA	ND(0.020)	ND(0.020) [ND(0.020)]
bis(2-Chloroethoxy)methane	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Chloroethyl)ether	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Chloroisopropyl)ether	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Butylbenzylphthalate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Chrysene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Diallate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzo(a,h)anthracene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzofuran	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Diethylphthalate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Dimethylphthalate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Di-n-Butylphthalate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Di-n-Octylphthalate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Diphenylamine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Ethyl Methanesulfonate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Fluoranthene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Fluorene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Hexachlorobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Hexachlorobutadiene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Hexachlorocyclopentadiene	NA	NA	ND(0.020)	ND(0.020) J [ND(0.020) J]
Hexachloroethane	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Hexachlorophene	NA	NA	ND(0.010) J	ND(0.010) J [ND(0.010) J]
Hexachloropropene	NA	NA	ND(0.020)	ND(0.020) [ND(0.020)]
Indeno(1,2,3-cd)pyrene	NA	NA	ND(0.010) J	ND(0.010) [ND(0.010)]
Isodrin	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Isophorone	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Isosafrole	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Methapyrilene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Methyl Methanesulfonate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Naphthalene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Nitrobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosodiethylamine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosodimethylamine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitroso-di-n-butylamine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitroso-di-n-propylamine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosodiphenylamine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosomethylethylamine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosomorpholine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosopiperidine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
N-Nitrosopyrrolidine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
o,o,o-Triethylphosphorothioate	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
o-Toluidine	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
p-Dimethylaminoazobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Pentachlorobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Pentachloroethane	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Pentachloronitrobenzene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Pentachlorophenol	NA	NA	ND(0.050)	ND(0.050) [ND(0.050)]
Phenacetin	NA	NA	ND(0.010) J	ND(0.010) [ND(0.010)]
Phenanthrene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Phenol	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Pronamide	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-16 10/10/07	H78B-17R 10/11/07	OPCA-MW-1R 10/05/07	OPCA-MW-2 10/08/07
Semivolatile Organics (continued)				
Pyrene	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Pyridine	NA	NA	ND(0.010) J	ND(0.010) [ND(0.010)]
Safrole	NA	NA	ND(0.010)	ND(0.010) [ND(0.010)]
Thionazin	NA	NA	ND(0.020)	ND(0.020) [ND(0.020)]
Furans				
2,3,7,8-TCDF	NA	NA	0.0000000025 J	ND(0.0000000014) [ND(0.0000000015) X]
TCDFs (total)	NA	NA	0.00000035 J	0.000000036 J [0.000000050 J]
1,2,3,7,8-PeCDF	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
2,3,4,7,8-PeCDF	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
PeCDFs (total)	NA	NA	0.00000031 J	0.000000016 J [0.000000049 J]
1,2,3,4,7,8-HxCDF	NA	NA	ND(0.0000000050)	ND(0.0000000050) [0.0000000055 J]
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
HxCDFs (total)	NA	NA	0.00000014	ND(0.0000000050) [0.000000017 J]
1,2,3,4,6,7,8-HpCDF	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
HpCDFs (total)	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
OCDF	NA	NA	ND(0.000000010)	ND(0.000000010) [ND(0.000000010)]
Dioxins				
2,3,7,8-TCDD	NA	NA	ND(0.0000000013)	ND(0.0000000014) [ND(0.0000000018) X]
TCDDs (total)	NA	NA	ND(0.0000000013)	ND(0.0000000014) [ND(0.0000000012)]
1,2,3,7,8-PeCDD	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
PeCDDs (total)	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,4,7,8-HxCDD	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,6,7,8-HxCDD	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,7,8,9-HxCDD	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
HxCDDs (total)	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,4,6,7,8-HpCDD	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
HpCDDs (total)	NA	NA	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000051)]
OCDD	NA	NA	ND(0.000000010)	ND(0.000000010) [0.000000015 J]
Total TEQs (WHO TEFs)	NA	NA	0.0000000066	0.0000000065 [0.0000000071]
Inorganics-Unfiltered (sulfide)				
Sulfide	NA	NA	ND(1.00)	ND(1.00) J [ND(1.00) J]
Inorganics-Filtered				
Antimony	NA	NA	ND(0.0400)	ND(0.0400) [ND(0.0400)]
Arsenic	NA	NA	ND(0.0100)	ND(0.0100) J [ND(0.0100) J]
Barium	NA	NA	ND(0.107)	0.0144 B [0.0128 B]
Beryllium	NA	NA	ND(0.0100) J	ND(0.0100) J [ND(0.0100) J]
Cadmium	NA	NA	ND(0.0050) J	ND(0.00500) J [ND(0.00500) J]
Chromium	NA	NA	ND(0.0100) J	ND(0.0100) [ND(0.0100)]
Cobalt	NA	NA	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Copper	NA	NA	ND(0.0100) J	ND(0.0100) [ND(0.0100)]
Cyanide-MADEP (PAC)	NA	NA	ND(0.00600)	ND(0.00600) [ND(0.00600)]
Lead	NA	NA	ND(0.0100) J	ND(0.0100) [ND(0.0100)]
Mercury	NA	NA	ND(0.000285)	ND(0.000285) [ND(0.000285)]
Nickel	NA	NA	ND(0.0100) J	0.00638 B [ND(0.0100)]
Selenium	NA	NA	ND(0.0200) J	ND(0.0200) J [ND(0.0200) J]
Silver	NA	NA	ND(0.0100) J	ND(0.0100) J [ND(0.0100) J]
Thallium	NA	NA	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Tin	NA	NA	ND(0.100) J	ND(0.0100) [ND(0.0100)]
Vanadium	NA	NA	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Zinc	NA	NA	ND(0.0200)	ND(0.0200) [ND(0.0200)]

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 10/09/07	OPCA-MW-4 10/09/07	OPCA-MW-5R 10/09/07	OPCA-MW-6 10/15/07
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
2-Butanone	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
2-Chloro-1,3-butadiene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Chloroethylvinylether	ND(0.013) J	ND(0.013) J	ND(0.013) J	ND(0.013) J
2-Hexanone	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
3-Chloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
4-Methyl-2-pentanone	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Acetonitrile	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Acrolein	ND(0.025) J	ND(0.025) J	ND(0.025) J	ND(0.025) J
Acrylonitrile	ND(0.025) J	ND(0.025) J	ND(0.025) J	ND(0.025) J
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010) J
Bromomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Tetrachloride	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0010)	0.00024 J	ND(0.0010)
Chloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Iodomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	ND(0.050) J	ND(0.050) J	ND(0.050) J	ND(0.050) J
Methacrylonitrile	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
Methyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Styrene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0010)	0.00032 J	0.00011 J	ND(0.0010)
trans-1,2-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0010)	0.0017	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Acetate	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.10)	0.0020 J	0.00035 J	ND(0.10)

Table A-1
Fall 2007 Groundwater Analytical Results

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 10/09/07	OPCA-MW-4 10/09/07	OPCA-MW-5R 10/09/07	OPCA-MW-6 10/15/07
PCBs-Filtered				
Aroclor-1016	ND(0.000065)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1232	ND(0.000065)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1242	ND(0.000065)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1254	ND(0.000065)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Total PCBs	ND(0.000065)	ND(0.000065)	ND(0.00010)	ND(0.000065)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1-Naphthylamine	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,3,4,6-Tetrachlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Acetylaminofluorene	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
2-Chloronaphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
2-Naphthylamine	ND(0.050) J	ND(0.050) J	ND(0.050) J	ND(0.050) J
2-Nitroaniline	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Nitrophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
3&4-Methylphenol	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.050) J	ND(0.050) J	ND(0.050) J	ND(0.050)
3-Methylcholanthrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Chlorobenzilate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Nitroquinoline-1-oxide	ND(0.050) J	ND(0.050) J	ND(0.050) J	ND(0.050)
4-Phenylenediamine	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
5-Nitro-o-toluidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.050) J	ND(0.050) J	ND(0.050) J	ND(0.050) J
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetophenone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Aniline	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

Table A-1
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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
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Parameter / Sample ID: / Date Collected:	OPCA-MW-3 10/09/07	OPCA-MW-4 10/09/07	OPCA-MW-5R 10/09/07	OPCA-MW-6 10/15/07
Semivolatile Organics (continued)				
Anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Aramite	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Benzidine	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzyl Alcohol	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Butylbenzylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Diallate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Diphenylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobutadiene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorocyclopentadiene	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020)
Hexachloroethane	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Hexachloropropene	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isodrin	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isophorone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methapyrilene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Methyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
N-Nitrosomorpholine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosopiperidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
o-Toluidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloroethane	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pronamide	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

Table A-1
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General Electric Company - Pittsfield, Massachusetts
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Parameter / Sample ID: / Date Collected:	OPCA-MW-3 10/09/07	OPCA-MW-4 10/09/07	OPCA-MW-5R 10/09/07	OPCA-MW-6 10/15/07
Semivolatile Organics (continued)				
Pyrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pyridine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Safrole	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Thionazin	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Furans				
2,3,7,8-TCDF	ND(0.0000000015)	ND(0.0000000020)	0.0000000076 J	ND(0.0000000021)
TCDFs (total)	ND(0.0000000015)	ND(0.0000000020)	0.00000069 J	ND(0.0000000021)
1,2,3,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052) J	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
PeCDFs (total)	ND(0.0000000050)	ND(0.0000000056)	0.00000090 J	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	0.000000053	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000050)	ND(0.0000000052)	0.00000042 J	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	0.0000000052 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HpCDFs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	0.0000000052 J
OCDF	ND(0.000000010)	ND(0.000000010)	ND(0.000000010)	0.000000013 J
Dioxins				
2,3,7,8-TCDD	ND(0.0000000017)	ND(0.0000000025)	ND(0.0000000014)	ND(0.0000000028)
TCDDs (total)	ND(0.0000000017)	ND(0.0000000025)	ND(0.0000000014)	ND(0.0000000028)
1,2,3,7,8-PeCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052) J	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HxCDDs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
HpCDDs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000052)
OCDD	ND(0.000000010)	ND(0.000000010)	0.000000018 J	0.000000016 J
Total TEQs (WHO TEFs)	0.0000000067	0.0000000073	0.000000012	0.0000000074
Inorganics-Unfiltered (sulfide)				
Sulfide	ND(1.00)	ND(1.00)	ND(1.00) J	ND(1.00)
Inorganics-Filtered				
Antimony	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0620 B	0.0270 B	0.0536 B	ND(0.500)
Beryllium	0.000330 B	0.00373 B	0.000330 B	0.00366 J
Cadmium	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J	ND(0.00500)
Chromium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Cobalt	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Copper	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.200)
Cyanide-MADEP (PAC)	ND(0.00600)	ND(0.00600)	ND(0.00600)	ND(0.00600)
Lead	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	ND(0.000285)	ND(0.000285)	ND(0.000285)	ND(0.000570)
Nickel	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0500)
Selenium	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Silver	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Tin	ND(0.0100)	ND(0.0100)	ND(0.0100)	0.00939 J
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200)	0.0100 B	0.00813 B	0.0196 B

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-7 10/11-10/18/2007	OPCA-MW-8 10/11/07	SCH-4 10/08/07
Volatile Organics			
1,1,1,2-Tetrachloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2,2-Tetrachloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	ND(0.10) J	ND(0.10) J	ND(0.10) J
2-Butanone	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
2-Chloro-1,3-butadiene	ND(0.0010)	ND(0.0010)	ND(0.0010)
2-Chloroethylvinylether	ND(0.013) J	ND(0.013) J	ND(0.013) J
2-Hexanone	ND(0.0050)	ND(0.0050)	ND(0.0050)
3-Chloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)
4-Methyl-2-pentanone	ND(0.0050)	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Acetonitrile	ND(0.020) J	ND(0.020) J	ND(0.020) J
Acrolein	ND(0.025) J	ND(0.025) J	ND(0.025) J
Acrylonitrile	ND(0.025) J	ND(0.025) J	ND(0.025) J
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	ND(0.0010) J	ND(0.0010) J	ND(0.0010)
Bromomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Disulfide	ND(0.0010)	ND(0.0010)	ND(0.0010)
Carbon Tetrachloride	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dichlorodifluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.0010)
Ethylbenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Iodomethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Isobutanol	ND(0.050) J	ND(0.050) J	ND(0.050) J
Methacrylonitrile	ND(0.010) J	ND(0.010) J	ND(0.010)
Methyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.020) J	ND(0.020) J	ND(0.020) J
Styrene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	0.00029 J	ND(0.0010)	0.00010 J
trans-1,2-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Acetate	ND(0.0025)	ND(0.0025)	ND(0.0025)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.0010)
Xylenes (total)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	0.00029 J	ND(0.10)	0.00010 J

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-7 10/11-10/18/2007	OPCA-MW-8 10/11/07	SCH-4 10/08/07
PCBs-Filtered			
Aroclor-1016	ND(0.00010)	ND(0.00010)	ND(0.00010)
Aroclor-1221	ND(0.00010)	ND(0.00010)	ND(0.00010)
Aroclor-1232	ND(0.00010)	ND(0.00010)	ND(0.00010)
Aroclor-1242	ND(0.00010)	ND(0.00010)	ND(0.00010)
Aroclor-1248	ND(0.00010)	ND(0.00010)	ND(0.00010)
Aroclor-1254	0.0012	ND(0.00010)	ND(0.00010)
Aroclor-1260	0.00091	ND(0.00010)	ND(0.00010)
Total PCBs	0.00211	ND(0.00010)	ND(0.00010)
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.050)	ND(0.050)	ND(0.050)
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010)	ND(0.010)	ND(0.010)
1-Naphthylamine	ND(0.050)	ND(0.050)	ND(0.050)
2,3,4,6-Tetrachlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)
2-Acetylaminofluorene	ND(0.020)	ND(0.020)	ND(0.020)
2-Chloronaphthalene	ND(0.010)	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)
2-Naphthylamine	ND(0.050)	ND(0.050)	ND(0.050) J
2-Nitroaniline	ND(0.010)	ND(0.010)	ND(0.010)
2-Nitrophenol	ND(0.010)	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010)	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010) J	ND(0.010) J	ND(0.010) J
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.050) J	ND(0.050) J	ND(0.050) J
3-Methylcholanthrene	ND(0.010)	ND(0.010)	ND(0.010)
3-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010)	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.050)	ND(0.050)	ND(0.050)
4-Chlorobenzilate	ND(0.010)	ND(0.010)	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)
4-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050)	ND(0.050)	ND(0.050)
4-Nitroquinoline-1-oxide	ND(0.050) J	ND(0.050) J	ND(0.050) J
4-Phenylenediamine	ND(0.020) J	ND(0.020) J	ND(0.020) J
5-Nitro-o-toluidine	ND(0.010)	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.050) J	ND(0.050) J	ND(0.050) J
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010)	ND(0.010)	ND(0.010)
Acetophenone	ND(0.010)	ND(0.010)	ND(0.010)
Aniline	ND(0.010)	ND(0.010)	ND(0.010)

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

Parameter / Sample ID: / Date Collected:	OPCA-MW-7 10/11-10/18/2007	OPCA-MW-8 10/11/07	SCH-4 10/08/07
Semivolatile Organics (continued)			
Anthracene	ND(0.010)	ND(0.010)	ND(0.010)
Aramite	ND(0.010) J	ND(0.010) J	ND(0.010) J
Benzidine	ND(0.020) J	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)
Benzyl Alcohol	ND(0.020)	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	0.0017 J	ND(0.010)
Butylbenzylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	ND(0.010)	ND(0.010)	ND(0.010)
Diallate	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Diphenylamine	ND(0.010)	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobutadiene	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorocyclopentadiene	ND(0.020) J	ND(0.020) J	ND(0.020) J
Hexachloroethane	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.010) J	ND(0.010) J	ND(0.010) J
Hexachloropropene	ND(0.020)	ND(0.020)	ND(0.020)
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.010)	ND(0.010)
Isodrin	ND(0.010)	ND(0.010)	ND(0.010)
Isophorone	ND(0.010)	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010)	ND(0.010)	ND(0.010)
Methapyrilene	ND(0.010)	ND(0.010)	ND(0.010)
Methyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosomorpholine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosopiperidine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.010)	ND(0.010)
o-Toluidine	ND(0.010)	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloroethane	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010)	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)	ND(0.010)
Pronamide	ND(0.010)	ND(0.010)	ND(0.010)

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-7 10/11-10/18/2007	OPCA-MW-8 10/11/07	SCH-4 10/08/07
Semivolatile Organics (continued)			
Pyrene	ND(0.010)	ND(0.010)	ND(0.010)
Pyridine	ND(0.010)	ND(0.010)	ND(0.010)
Safrole	ND(0.010)	ND(0.010)	ND(0.010)
Thionazin	ND(0.020)	ND(0.020)	ND(0.020)
Furans			
2,3,7,8-TCDF	ND(0.0000000035)	ND(0.0000000026)	ND(0.0000000017)
TCDFs (total)	ND(0.0000000035)	ND(0.0000000026)	0.00000012 J
1,2,3,7,8-PeCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
2,3,4,7,8-PeCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
PeCDFs (total)	ND(0.0000000054)	ND(0.0000000050)	0.000000039 J
1,2,3,4,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000050)	0.0000000079 J
1,2,3,6,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,7,8,9-HxCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HxCDFs (total)	ND(0.0000000054)	ND(0.0000000050)	0.000000016 J
1,2,3,4,6,7,8-HpCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HpCDFs (total)	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
OCDF	ND(0.000000011)	ND(0.000000010)	ND(0.000000011)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000045)	ND(0.0000000032)	ND(0.0000000014)
TCDDs (total)	ND(0.0000000045)	ND(0.0000000032)	ND(0.0000000014)
1,2,3,7,8-PeCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
PeCDDs (total)	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,7,8-HxCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,6,7,8-HxCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,7,8,9-HxCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
HxCDDs (total)	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000054)	ND(0.0000000059)	ND(0.0000000053)
HpCDDs (total)	ND(0.0000000054)	ND(0.0000000059)	ND(0.0000000053)
OCDD	0.000000015 J	0.000000020 J	ND(0.000000011)
Total TEQs (WHO TEFs)	0.0000000086	0.0000000075	0.0000000074
Inorganics-Unfiltered (sulfide)			
Sulfide	ND(1.00) J	ND(1.00)	ND(1.00) J
Inorganics-Filtered			
Antimony	ND(0.0400)	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Barium	0.0869 B	ND(0.100)	0.0676 B
Beryllium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500) J
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0100)	ND(0.0100)	ND(0.0100)
Copper	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Cyanide-MADEP (PAC)	ND(0.00600)	ND(0.00600)	ND(0.00600)
Lead	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	ND(0.000285)	ND(0.000285)	ND(0.000285)
Nickel	ND(0.0100)	ND(0.0100)	0.00510 B
Selenium	ND(0.0200)	ND(0.0200)	ND(0.0200) J
Silver	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Tin	ND(0.100) J	ND(0.100) J	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.0208	0.00726 B	0.290

Table A-1
Fall 2007 Groundwater Analytical Results

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS BBL, and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles,dioxin/furans)

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

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.
R - Data was rejected due to a deficiency in the data generation process.

ARCADIS

Appendix B

Historical Groundwater Data

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 06/14/99	78-1 05/01/01	78-1 09/28/06	78-1 11/07/06
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)
Acetone	ND(0.10)	ND(0.010)	NA	ND(0.0050) J
Benzene	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)
Bromoform	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)
Chlorobenzene	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)
Chloromethane	ND(0.010)	ND(0.0050)	NA	ND(0.0010)
Tetrachloroethene	ND(0.0050)	ND(0.0020)	NA	ND(0.0010)
Toluene	ND(0.0050)	0.0047 J	NA	0.00074 J
Trichloroethene	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	NA	ND(0.0010)
Vinyl Chloride	ND(0.010)	ND(0.0020)	NA	ND(0.0010)
Total VOCs	ND(0.20)	0.0047 J	NA	0.00074 J
PCBs-Unfiltered				
Aroclor-1254	ND(0.00010)	ND(0.000065)	NA	NA
Aroclor-1260	ND(0.00010)	ND(0.000065)	NA	NA
Total PCBs	ND(0.00010)	ND(0.000065)	NA	NA
PCBs-Filtered				
Aroclor-1254	NA	ND(0.000065)	ND(0.000062) J	ND(0.00011)
Aroclor-1260	NA	ND(0.000065)	ND(0.000062) J	ND(0.00011)
Total PCBs	NA	ND(0.000065)	ND(0.000062) J	ND(0.00011)
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.050)	ND(0.020)	NA	ND(0.020) J
Acenaphthene	ND(0.010)	ND(0.010)	NA	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	NA	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	NA	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	NA	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	NA	ND(0.010) J
Furans				
2,3,7,8-TCDF	ND(0.00000000060)	ND(0.0000000011)	NA	ND(0.0000000011)
TCDFs (total)	ND(0.00000000060)	ND(0.000000010) X	NA	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000021)	ND(0.0000000013) XB	NA	ND(0.0000000053)
2,3,4,7,8-PeCDF	ND(0.0000000020)	ND(0.0000000012)	NA	ND(0.0000000053)
PeCDFs (total)	ND(0.0000000021)	ND(0.000000024)	NA	ND(0.0000000053)
1,2,3,4,7,8-HxCDF	ND(0.0000000060)	ND(0.0000000021)	NA	ND(0.0000000053)
1,2,3,6,7,8-HxCDF	ND(0.0000000062)	ND(0.00000000080)	NA	ND(0.0000000053)
1,2,3,7,8,9-HxCDF	ND(0.0000000059)	ND(0.00000000090)	NA	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	ND(0.0000000064)	ND(0.00000000080)	NA	ND(0.0000000053)
HxCDFs (total)	ND(0.0000000064)	ND(0.0000000044)	NA	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDF	ND(0.000000011)	ND(0.0000000013)	NA	ND(0.0000000053)
1,2,3,4,7,8,9-HpCDF	ND(0.000000011)	ND(0.0000000017)	NA	ND(0.0000000053)
HpCDFs (total)	ND(0.000000011)	ND(0.0000000015)	NA	ND(0.0000000053)
OCDF	ND(0.000000011)	ND(0.0000000032)	NA	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.00000000090)	ND(0.0000000014)	NA	ND(0.0000000014)
TCDDs (total)	ND(0.00000000090)	ND(0.0000000014)	NA	ND(0.0000000014)
1,2,3,7,8-PeCDD	ND(0.0000000071)	ND(0.0000000016)	NA	ND(0.0000000053)
PeCDDs (total)	ND(0.0000000071)	ND(0.0000000016)	NA	ND(0.0000000053)
1,2,3,4,7,8-HxCDD	ND(0.0000000069)	ND(0.0000000014)	NA	ND(0.0000000053)
1,2,3,6,7,8-HxCDD	ND(0.0000000086)	ND(0.0000000014)	NA	ND(0.0000000053)
1,2,3,7,8,9-HxCDD	ND(0.0000000077)	ND(0.0000000013)	NA	ND(0.0000000053)
HxCDDs (total)	ND(0.0000000086)	ND(0.000000012) X	NA	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDD	ND(0.000000013)	ND(0.0000000026)	NA	ND(0.0000000053)
HpCDDs (total)	ND(0.000000013)	ND(0.0000000026)	NA	0.0000000088 J
OCDD	ND(0.000000017)	ND(0.0000000038) XB	NA	ND(0.000000019)
Total TEQs (WHO TEFs)	0.0000000071	0.0000000024	NA	0.0000000069

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 06/14/99	78-1 05/01/01	78-1 09/28/06	78-1 11/07/06
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	NA	NA
Arsenic	ND(0.00600)	ND(0.0100)	NA	NA
Barium	0.0250	0.0330 B	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA
Cadmium	ND(0.00600)	ND(0.00500)	NA	NA
Chromium	ND(0.0130)	ND(0.0100)	NA	NA
Cobalt	ND(0.0600)	ND(0.0500)	NA	NA
Copper	ND(0.0330)	0.00550 J	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA
Selenium	ND(0.00600) J	ND(0.00500) J	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA
Sulfide	ND(5.00)	ND(5.00)	NA	ND(1.00)
Thallium	ND(0.0130)	ND(0.0100) J	NA	NA
Tin	ND(0.300)	ND(0.100)	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA
Zinc	0.0290	0.0200	NA	NA
Inorganics-Filtered				
Antimony	NA	ND(0.0600)	NA	ND(0.0400) J
Arsenic	NA	ND(0.0100)	NA	ND(0.0100) J
Barium	NA	0.0260 J	NA	ND(0.500) J
Beryllium	NA	ND(0.00100)	NA	0.000970 J
Cadmium	NA	ND(0.00500)	NA	ND(0.00500)
Chromium	NA	ND(0.0100)	NA	ND(0.0100)
Cobalt	NA	ND(0.0500)	NA	ND(0.0100) J
Copper	NA	0.00420 J	NA	ND(0.0100)
Mercury	NA	ND(0.000200)	NA	0.0000403 B
Nickel	NA	ND(0.0400)	NA	ND(0.0500) J
Selenium	NA	ND(0.00500) J	NA	ND(0.0200) J
Silver	NA	ND(0.00500)	NA	ND(0.0100)
Thallium	NA	ND(0.0100) J	NA	ND(0.0100) J
Tin	NA	ND(0.100)	NA	ND(0.100)
Vanadium	NA	ND(0.0500)	NA	ND(0.0500) J
Zinc	NA	0.0160 B	NA	0.00461 B

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample ID: / Parameter / Date Collected:	78-1 04/20/07	78-1 10/09/07	78-6 06/16/99	78-6 05/03/01
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050) J	0.0023 J	ND(0.10)	ND(0.010)
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0010)	0.00048 J	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0050)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0020)
Toluene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0020)
Total VOCs	ND(0.10)	0.0028 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	ND(0.000050)	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000050)	ND(0.000065)
Total PCBs	NA	NA	ND(0.000050)	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	ND(0.00012)	ND(0.00010)	NA	ND(0.000065)
Aroclor-1260	ND(0.00012)	ND(0.00010)	NA	ND(0.000065)
Total PCBs	ND(0.00012)	ND(0.00010)	NA	ND(0.000065)
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.050)	ND(0.020)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0060)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	0.0000000040 J	ND(0.0000000018)	ND(0.0000000032)	ND(0.00000000085) XB
TCDFs (total)	0.0000000040 J	0.00000012 J	ND(0.0000000032)	ND(0.0000000020)
1,2,3,7,8-PeCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000079)	ND(0.00000000030)
2,3,4,7,8-PeCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000083)	ND(0.00000000066)
PeCDFs (total)	ND(0.0000000054)	0.000000034 J	ND(0.0000000083)	ND(0.0000000017)
1,2,3,4,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000042)	ND(0.00000000083) XB
1,2,3,6,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000043)	ND(0.00000000030)
1,2,3,7,8,9-HxCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000051)	ND(0.00000000030)
2,3,4,6,7,8-HxCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000044)	ND(0.00000000030)
HxCDFs (total)	ND(0.0000000054)	0.000000010 J	ND(0.0000000051)	ND(0.00000000083) X
1,2,3,4,6,7,8-HpCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000029)	ND(0.00000000050)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000029)	ND(0.00000000060)
HpCDFs (total)	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000029)	ND(0.00000000050)
OCDF	ND(0.000000011)	ND(0.000000010)	ND(0.000000017)	ND(0.00000000090)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000023)	ND(0.0000000012)	ND(0.0000000035)	ND(0.00000000040)
TCDDs (total)	ND(0.0000000023)	ND(0.0000000012)	ND(0.0000000035)	ND(0.0000000010) X
1,2,3,7,8-PeCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000034)	ND(0.00000000040)
PeCDDs (total)	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000034)	ND(0.0000000019) X
1,2,3,4,7,8-HxCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000014)	ND(0.00000000060)
1,2,3,6,7,8-HxCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000017)	ND(0.00000000060)
1,2,3,7,8,9-HxCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000015)	ND(0.00000000050)
HxCDDs (total)	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000017)	ND(0.0000000060) X
1,2,3,4,6,7,8-HpCDD	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000029)	ND(0.00000000080)
HpCDDs (total)	ND(0.0000000054)	ND(0.0000000050)	ND(0.000000029)	ND(0.00000000080)
OCDD	ND(0.000000011)	ND(0.000000010)	ND(0.000000020)	ND(0.0000000079)
Total TEQs (WHO TEFs)	0.0000000077	0.0000000064	0.000000025	0.00000000080

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/20/07	78-1 10/09/07	78-6 06/16/99	78-6 05/03/01
Inorganics-Unfiltered				
Antimony	NA	NA	ND(0.0600)	0.00250 J
Arsenic	NA	NA	0.0320	0.0160
Barium	NA	NA	0.0830	0.0960 B
Beryllium	NA	NA	ND(0.00600)	ND(0.00100)
Cadmium	NA	NA	ND(0.00600) J	ND(0.00500)
Chromium	NA	NA	ND(0.0130)	0.00250 B
Cobalt	NA	NA	ND(0.0600)	0.00480 B
Copper	NA	NA	ND(0.0330)	ND(0.0100) J
Mercury	NA	NA	ND(0.000500)	ND(0.000200)
Nickel	NA	NA	ND(0.0600)	ND(0.0400)
Selenium	NA	NA	ND(0.00600)	0.00490 B
Silver	NA	NA	ND(0.0130)	0.0110 J
Sulfide	ND(1.00)	R	ND(5.00)	ND(5.00)
Thallium	NA	NA	ND(0.0130)	ND(0.0100)
Tin	NA	NA	ND(0.300) j	ND(0.0300)
Vanadium	NA	NA	ND(0.0600)	ND(0.0500)
Zinc	NA	NA	0.0330	0.0110 B
Inorganics-Filtered				
Antimony	ND(0.0400)	ND(0.0400)	NA	0.00370 J
Arsenic	ND(0.0100)	ND(0.0100) J	NA	ND(0.0100)
Barium	0.0303 B	0.0172 B	NA	0.0450 B
Beryllium	ND(0.0100) J	ND(0.0100) J	NA	ND(0.00100)
Cadmium	ND(0.0100) J	ND(0.00500) J	NA	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0100)	NA	0.00370 B
Cobalt	ND(0.0100) J	ND(0.0100)	NA	0.00370 B
Copper	ND(0.0100) J	ND(0.0100)	NA	ND(0.0250)
Mercury	0.000191 B	ND(0.000285)	NA	ND(0.000200)
Nickel	ND(0.0100) J	ND(0.0100)	NA	ND(0.0400)
Selenium	0.00976 B	ND(0.0200) J	NA	ND(0.00500)
Silver	ND(0.0100)	ND(0.0100) J	NA	ND(0.0100)
Thallium	ND(0.0100) J	ND(0.0100)	NA	ND(0.0100) J
Tin	0.0163 J	ND(0.0100)	NA	ND(0.0300)
Vanadium	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc	0.00245 B	0.00586 B	NA	0.0180 J

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 09/28/06	78-6 11/07/06	78-6 04/19/07
Volatile Organics			
1,1,1-Trichloroethane	NA	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	NA	ND(0.0010)	ND(0.0010)
Acetone	NA	ND(0.0050) J	ND(0.0050) J
Benzene	NA	ND(0.0010)	ND(0.0010)
Bromoform	NA	ND(0.0010)	ND(0.0010)
Chlorobenzene	NA	ND(0.0010)	ND(0.0010)
Chloroform	NA	ND(0.0010)	ND(0.0010)
Chloromethane	NA	ND(0.0010)	ND(0.0010)
Tetrachloroethene	NA	ND(0.0010)	ND(0.0010)
Toluene	NA	0.0019	ND(0.0010)
Trichloroethene	NA	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	NA	ND(0.0010)	ND(0.0010)
Vinyl Chloride	NA	ND(0.0010)	ND(0.0010) J
Total VOCs	NA	0.0019	ND(0.10)
PCBs-Unfiltered			
Aroclor-1254	NA	NA	NA
Aroclor-1260	NA	NA	NA
Total PCBs	NA	NA	NA
PCBs-Filtered			
Aroclor-1254	ND(0.000062) J [ND(0.000062) J]	ND(0.00011)	ND(0.00011)
Aroclor-1260	ND(0.000062) J [ND(0.000062) J]	ND(0.00011)	ND(0.00011)
Total PCBs	ND(0.000062) J [ND(0.000062) J]	ND(0.00011)	ND(0.00011)
Semivolatile Organics			
3,3'-Dichlorobenzidine	NA	ND(0.022) J	ND(0.020)
Acenaphthene	NA	ND(0.011)	ND(0.010)
bis(2-Ethylhexyl)phthalate	NA	ND(0.011)	ND(0.010)
Dibenzofuran	NA	ND(0.011)	ND(0.010)
Dimethylphthalate	NA	ND(0.011)	ND(0.010)
Naphthalene	NA	ND(0.011) J	ND(0.010)
Furans			
2,3,7,8-TCDF	NA	0.0000000012 J	ND(0.0000000014)
TCDFs (total)	NA	0.0000000012 J	ND(0.0000000014)
1,2,3,7,8-PeCDF	NA	ND(0.0000000054)	ND(0.0000000052)
2,3,4,7,8-PeCDF	NA	ND(0.0000000054)	ND(0.0000000052)
PeCDFs (total)	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	NA	ND(0.0000000054)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	NA	ND(0.0000000054)	ND(0.0000000052)
HxCDFs (total)	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000000054)	ND(0.0000000052)
HpCDFs (total)	NA	ND(0.0000000054)	ND(0.0000000052)
OCDF	NA	ND(0.000000011)	ND(0.000000011)
Dioxins			
2,3,7,8-TCDD	NA	ND(0.0000000014)	ND(0.0000000016)
TCDDs (total)	NA	ND(0.0000000014)	ND(0.0000000016)
1,2,3,7,8-PeCDD	NA	ND(0.0000000054)	ND(0.0000000052)
PeCDDs (total)	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	NA	ND(0.0000000054)	ND(0.0000000052)
HxCDDs (total)	NA	ND(0.0000000054)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	NA	ND(0.0000000054)	ND(0.0000000052)
HpCDDs (total)	NA	ND(0.0000000054)	ND(0.0000000052)
OCDD	NA	ND(0.000000029)	ND(0.000000011)
Total TEQs (WHO TEFs)	NA	0.0000000070	0.0000000069

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 09/28/06	78-6 11/07/06	78-6 04/19/07
Inorganics-Unfiltered			
Antimony	NA	NA	NA
Arsenic	NA	NA	NA
Barium	NA	NA	NA
Beryllium	NA	NA	NA
Cadmium	NA	NA	NA
Chromium	NA	NA	NA
Cobalt	NA	NA	NA
Copper	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Sulfide	NA	ND(1.00)	ND(1.00)
Thallium	NA	NA	NA
Tin	NA	NA	NA
Vanadium	NA	NA	NA
Zinc	NA	NA	NA
Inorganics-Filtered			
Antimony	NA	ND(0.0400) J	ND(0.0400)
Arsenic	NA	ND(0.0100) J	0.00526 B
Barium	NA	ND(0.500) J	0.0337 B
Beryllium	NA	0.00135 J	0.00115 J
Cadmium	NA	ND(0.00500)	ND(0.0100) J
Chromium	NA	ND(0.0100)	ND(0.0100) J
Cobalt	NA	ND(0.0100) J	ND(0.0100) J
Copper	NA	ND(0.200)	ND(0.0100) J
Mercury	NA	0.0000429 B	ND(0.000285)
Nickel	NA	ND(0.0500) J	ND(0.0100) J
Selenium	NA	ND(0.0200) J	0.00957 B
Silver	NA	ND(0.0100)	ND(0.0100)
Thallium	NA	0.00611 J	ND(0.0100)
Tin	NA	ND(0.100)	0.0498
Vanadium	NA	ND(0.0500) J	ND(0.0500)
Zinc	NA	0.00393 B	0.00351 B

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 11/13/07	GMA4-6 10/02/06	GMA4-6 11/07/06	GMA4-6 04/19/07
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Acetone	0.0014 J	NA	ND(0.0050) J	ND(0.0050) J
Benzene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Bromoform	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010) J	NA	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0010)	NA	0.00032 J	ND(0.0010)
Trichloroethene	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0010)	NA	ND(0.0010)	ND(0.0010) J
Total VOCs	0.0014 J	NA	0.00032 J	ND(0.10)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	ND(0.000065)	ND(0.00010)	ND(0.00010)	ND(0.00011)
Aroclor-1260	ND(0.000065)	ND(0.00010)	ND(0.00010)	ND(0.00011)
Total PCBs	ND(0.000065)	ND(0.00010) J	ND(0.00010)	ND(0.00011)
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.010)	NA	ND(0.020) J	ND(0.020)
Acenaphthene	ND(0.0050)	NA	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0050)	NA	ND(0.010)	0.0016 J
Dibenzofuran	ND(0.0050)	NA	ND(0.010)	ND(0.010)
Dimethylphthalate	0.00060 J	NA	ND(0.010)	ND(0.010)
Naphthalene	0.0016 J	NA	ND(0.010) J	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.0000000042)	NA	0.0000000015 J	ND(0.0000000018)
TCDFs (total)	0.0000000076 J	NA	0.0000000015 J	ND(0.0000000018)
1,2,3,7,8-PeCDF	ND(0.0000000052)	NA	0.0000000065 J	ND(0.0000000053)
2,3,4,7,8-PeCDF	ND(0.0000000052)	NA	0.0000000052 J	ND(0.0000000053)
PeCDFs (total)	ND(0.0000000052)	NA	0.000000012 J	ND(0.0000000053)
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
HxCDFs (total)	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
HpCDFs (total)	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
OCDF	ND(0.000000011)	NA	ND(0.000000010)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000037)	NA	ND(0.0000000014) X	ND(0.0000000022)
TCDDs (total)	ND(0.0000000037)	NA	ND(0.0000000013)	ND(0.0000000022)
1,2,3,7,8-PeCDD	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
PeCDDs (total)	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
HxCDDs (total)	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000052)	NA	ND(0.0000000052)	ND(0.0000000053)
HpCDDs (total)	ND(0.0000000052)	NA	ND(0.0000000052)	0.0000000060 J
OCDD	ND(0.000000011)	NA	ND(0.000000010)	0.000000040 J
Total TEQs (WHO TEFs)	0.0000000080	NA	0.0000000082	0.0000000072

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 11/13/07	GMA4-6 10/02/06	GMA4-6 11/07/06	GMA4-6 04/19/07
Inorganics-Unfiltered				
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
Mercury	NA	NA	NA	NA
Nickel	NA	NA	NA	NA
Selenium	NA	NA	NA	NA
Silver	NA	NA	NA	NA
Sulfide	ND(1.00) J	NA	ND(1.00)	1.10
Thallium	NA	NA	NA	NA
Tin	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA
Zinc	NA	NA	NA	NA
Inorganics-Filtered				
Antimony	ND(0.0400)	NA	ND(0.0400) J	0.00696 B
Arsenic	0.00588 J	NA	ND(0.0100) J	ND(0.0100)
Barium	0.0667 B	NA	ND(0.500) J	0.0410 B
Beryllium	0.000850 J	NA	ND(0.0100) J	0.00578 J
Cadmium	ND(0.00500)	NA	ND(0.00500)	ND(0.0100) J
Chromium	ND(0.0100)	NA	ND(0.0100)	ND(0.0100) J
Cobalt	ND(0.0100)	NA	ND(0.0100) J	ND(0.0100) J
Copper	ND(0.0100) J	NA	ND(0.200)	ND(0.0100) J
Mercury	ND(0.000285)	NA	0.0000382 B	ND(0.000285)
Nickel	ND(0.0100)	NA	ND(0.0500) J	ND(0.0100) J
Selenium	ND(0.0200) J	NA	ND(0.0200) J	0.0110 B
Silver	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Thallium	ND(0.0100) J	NA	ND(0.0100) J	ND(0.0100)
Tin	ND(0.0100) J	NA	ND(0.100)	ND(0.0100) J
Vanadium	ND(0.0500)	NA	ND(0.0500) J	ND(0.0500)
Zinc	ND(0.0200)	NA	0.0253 B	0.119

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA4-6 10/08/07	H78B-15 06/16/99	H78B-15 05/03/01	H78B-15 11/09/06
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Acetone	ND(0.0050) J	ND(0.10)	ND(0.010)	ND(0.0050) J
Benzene	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Bromoform	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chloroform	ND(0.0010)	ND(0.0050)	ND(0.0050)	0.0049
Chloromethane	ND(0.0010)	ND(0.010)	ND(0.0050)	0.00061 J
Tetrachloroethene	ND(0.0010)	ND(0.0050)	ND(0.0020)	ND(0.0010)
Toluene	ND(0.0010)	ND(0.0050)	ND(0.0050)	0.00068 J
Trichloroethene	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Trichlorofluoromethane	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Vinyl Chloride	ND(0.0010)	ND(0.010)	ND(0.0020)	ND(0.0010)
Total VOCs	ND(0.10)	ND(0.20)	ND(0.20)	0.0062 J
PCBs-Unfiltered				
Aroclor-1254	NA	0.000035 J	ND(0.000065)	NA
Aroclor-1260	NA	ND(0.000050)	ND(0.000065)	NA
Total PCBs	NA	0.000035 J	ND(0.000065)	NA
PCBs-Filtered				
Aroclor-1254	ND(0.00010)	NA	ND(0.000065)	ND(0.00011) J
Aroclor-1260	ND(0.00010)	NA	ND(0.000065)	ND(0.00011) J
Total PCBs	ND(0.00010)	NA	ND(0.000065)	ND(0.00011) J
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.050)	ND(0.020)	ND(0.020) J
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.0060)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
Furans				
2,3,7,8-TCDF	ND(0.0000000026)	ND(0.0000000015)	ND(0.00000000040)	ND(0.0000000011)
TCDFs (total)	0.000000023 J	ND(0.0000000015)	ND(0.0000000012)	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000036)	ND(0.00000000038)	ND(0.0000000055)
2,3,4,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000034)	ND(0.00000000055) XB	ND(0.0000000055)
PeCDFs (total)	0.0000000076 J	ND(0.0000000036)	ND(0.0000000013)	ND(0.0000000055)
1,2,3,4,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000017)	ND(0.0000000015) XB	ND(0.0000000055)
1,2,3,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000017)	ND(0.00000000040)	ND(0.0000000055)
1,2,3,7,8,9-HxCDF	ND(0.0000000050)	ND(0.0000000023)	ND(0.00000000050)	ND(0.0000000055)
2,3,4,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000018)	ND(0.00000000040)	ND(0.0000000055)
HxCDFs (total)	ND(0.0000000050)	ND(0.0000000023)	ND(0.00000000058)	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050)	ND(0.000000032)	ND(0.00000000060)	ND(0.0000000055)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050)	ND(0.000000015)	ND(0.00000000086) XB	ND(0.0000000055)
HpCDFs (total)	ND(0.0000000050)	ND(0.000000032)	ND(0.00000000086) X	ND(0.0000000055)
OCDF	ND(0.000000010)	ND(0.0000000076)	ND(0.0000000026)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000034)	ND(0.0000000035)	ND(0.0000000017) XB	ND(0.0000000012)
TCDDs (total)	ND(0.0000000034)	ND(0.0000000035)	ND(0.0000000031) X	ND(0.0000000012)
1,2,3,7,8-PeCDD	ND(0.0000000050)	ND(0.0000000071)	ND(0.00000000060)	ND(0.0000000055)
PeCDDs (total)	ND(0.0000000050)	ND(0.0000000071)	ND(0.0000000018) X	ND(0.0000000055)
1,2,3,4,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000056)	ND(0.00000000080)	ND(0.0000000055)
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000070)	ND(0.0000000012)	ND(0.0000000055)
1,2,3,7,8,9-HxCDD	ND(0.0000000050)	ND(0.0000000062)	ND(0.00000000095) XB	ND(0.0000000055)
HxCDDs (total)	ND(0.0000000050)	ND(0.0000000070)	0.0000000032	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050)	ND(0.000000011)	0.0000000052 JB	ND(0.0000000055)
HpCDDs (total)	ND(0.0000000050)	ND(0.000000011)	ND(0.0000000052)	ND(0.0000000055)
OCDD	ND(0.000000010)	ND(0.0000000090)	ND(0.0000000077)	ND(0.000000011)
Total TEQs (WHO TEFs)	0.0000000075	0.0000000079	0.0000000017	0.0000000070

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA4-6 10/08/07	H78B-15 06/16/99	H78B-15 05/03/01	H78B-15 11/09/06
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600)	0.00290 J	NA
Arsenic	NA	ND(0.00600)	ND(0.0100)	NA
Barium	NA	0.0570	0.00430 B	NA
Beryllium	NA	ND(0.00600)	ND(0.00100)	NA
Cadmium	NA	ND(0.00600) J	ND(0.00500)	NA
Chromium	NA	ND(0.0130)	0.00290 B	NA
Cobalt	NA	ND(0.0600)	ND(0.0500)	NA
Copper	NA	ND(0.0330)	0.00910 B	NA
Mercury	NA	ND(0.000500)	ND(0.000200)	NA
Nickel	NA	ND(0.0600)	ND(0.0400)	NA
Selenium	NA	ND(0.00600)	ND(0.00500)	NA
Silver	NA	ND(0.0130)	ND(0.00500)	NA
Sulfide	ND(1.00) J	ND(5.00)	ND(5.00)	ND(1.00)
Thallium	NA	ND(0.0130)	ND(0.0100) J	NA
Tin	NA	ND(0.300) j	ND(0.0300)	NA
Vanadium	NA	ND(0.0600)	ND(0.0500)	NA
Zinc	NA	0.0830	0.0110 J	NA
Inorganics-Filtered				
Antimony	ND(0.0400)	NA	ND(0.0100) J	ND(0.0400)
Arsenic	ND(0.0100) J	NA	ND(0.0100)	ND(0.0100) J
Barium	0.00701 B	NA	0.00460 B	ND(0.500) J
Beryllium	ND(0.0100) J	NA	ND(0.00100)	0.000590 J
Cadmium	ND(0.00500) J	NA	ND(0.00500)	ND(0.00500) J
Chromium	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0100)	NA	ND(0.0500)	ND(0.0100) J
Copper	ND(0.0100)	NA	0.00610 B	ND(0.200) J
Mercury	ND(0.000285)	NA	ND(0.000200)	ND(0.000285)
Nickel	0.00564 B	NA	ND(0.0400)	ND(0.0500) J
Selenium	ND(0.0200) J	NA	ND(0.00500)	ND(0.0200) J
Silver	ND(0.0100) J	NA	ND(0.00500)	ND(0.0100)
Thallium	0.00652 B	NA	ND(0.0100) J	ND(0.0100) J
Tin	ND(0.0100)	NA	ND(0.0300)	ND(0.100)
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500) J
Zinc	0.0123 B	NA	0.0180 J	0.00461 B

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample ID: / Parameter / Date Collected:	H78B-15 04/18/07	H78B-15 10/10/07	NY-4 06/14/99
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010) [ND(0.0010)]	0.00010 J	ND(0.0050)
Acetone	ND(0.0050) [ND(0.0050)]	0.0031 J	ND(0.10)
Benzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)
Bromoform	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)
Chlorobenzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)
Chloroform	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)
Chloromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.010)
Tetrachloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)
Toluene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)
Trichloroethene	ND(0.0010) [ND(0.0010)]	0.00023 J	ND(0.0050)
Trichlorofluoromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0050)
Vinyl Chloride	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.010)
Total VOCs	ND(0.10) [ND(0.10)]	0.0034 J	ND(0.20)
PCBs-Unfiltered			
Aroclor-1254	NA	NA	0.00012
Aroclor-1260	NA	NA	ND(0.00010)
Total PCBs	NA	NA	0.00012
PCBs-Filtered			
Aroclor-1254	ND(0.00010) [ND(0.00011)]	ND(0.000065)	NA
Aroclor-1260	ND(0.00010) [ND(0.00011)]	ND(0.000065)	NA
Total PCBs	ND(0.00010) [ND(0.00011)]	ND(0.000065)	NA
Semivolatile Organics			
3,3'-Dichlorobenzidine	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.052)
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Furans			
2,3,7,8-TCDF	ND(0.0000000013) [ND(0.0000000016)]	ND(0.0000000017)	ND(0.0000000020)
TCDFs (total)	ND(0.0000000013) [ND(0.0000000016)]	ND(0.0000000017)	ND(0.0000000020)
1,2,3,7,8-PeCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000074)
2,3,4,7,8-PeCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000069)
PeCDFs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000074)
1,2,3,4,7,8-HxCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000021)
1,2,3,6,7,8-HxCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000022)
1,2,3,7,8,9-HxCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000021)
2,3,4,6,7,8-HxCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000023)
HxCDFs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000023)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000054)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000054)
HpCDFs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000054)
OCDF	ND(0.000000010) [ND(0.000000010)]	ND(0.000000011)	ND(0.000000067)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000015) [ND(0.0000000019)]	ND(0.0000000020)	ND(0.0000000030)
TCDDs (total)	ND(0.0000000015) [ND(0.0000000019)]	ND(0.0000000020)	ND(0.0000000030)
1,2,3,7,8-PeCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000031)
PeCDDs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000031)
1,2,3,4,7,8-HxCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000032)
1,2,3,6,7,8-HxCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000040)
1,2,3,7,8,9-HxCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000036)
HxCDDs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000040)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000082)
HpCDDs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.000000082)
OCDD	ND(0.000000010) [ND(0.000000010)]	ND(0.000000011)	ND(0.000000084)
Total TEQs (WHO TEFs)	0.0000000066 [0.0000000069]	0.0000000070	0.000000029

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 04/18/07	H78B-15 10/10/07	NY-4 06/14/99
Inorganics-Unfiltered			
Antimony	NA	NA	ND(0.0600)
Arsenic	NA	NA	ND(0.00600)
Barium	NA	NA	0.0200
Beryllium	NA	NA	ND(0.00600)
Cadmium	NA	NA	ND(0.00600)
Chromium	NA	NA	ND(0.0130)
Cobalt	NA	NA	ND(0.0600)
Copper	NA	NA	ND(0.0330)
Mercury	NA	NA	ND(0.000500)
Nickel	NA	NA	ND(0.0600)
Selenium	NA	NA	ND(0.00600) J
Silver	NA	NA	ND(0.0130)
Sulfide	ND(1.00) [ND(1.00)]	ND(1.00) J	ND(5.00)
Thallium	NA	NA	ND(0.0130)
Tin	NA	NA	ND(0.300)
Vanadium	NA	NA	ND(0.0600)
Zinc	NA	NA	ND(0.0260)
Inorganics-Filtered			
Antimony	ND(0.0400) [ND(0.0400)]	ND(0.0400)	NA
Arsenic	ND(0.0100) J [ND(0.0100) J]	0.00346 B	NA
Barium	0.00872 B [0.00850 B]	0.0546 B	NA
Beryllium	0.00529 B [ND(0.0100)]	ND(0.0100)	NA
Cadmium	ND(0.0100) [ND(0.0100)]	ND(0.00500) J	NA
Chromium	ND(0.0100) [ND(0.0100)]	ND(0.0100) J	NA
Cobalt	ND(0.0100) [ND(0.0100)]	ND(0.0100)	NA
Copper	ND(0.0100) J [ND(0.0100) J]	ND(0.0100)	NA
Mercury	ND(0.000285) [ND(0.000285)]	ND(0.000285)	NA
Nickel	ND(0.0100) [0.00519 B]	ND(0.0100)	NA
Selenium	ND(0.0200) [ND(0.0200)]	ND(0.0200)	NA
Silver	ND(0.0100) [ND(0.0100)]	ND(0.0100)	NA
Thallium	ND(0.0100) J [ND(0.0100)]	ND(0.0100) J	NA
Tin	ND(0.0100) J [0.00892 J]	ND(0.0100)	NA
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500)	NA
Zinc	0.00361 B [ND(0.0200)]	0.194	NA

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NY-4 04/30/01	OPCA-MW-1 06/16/99	OPCA-MW-1 05/02/01	OPCA-MW-1R 11/08/06
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Acetone	ND(0.010)	ND(0.10)	ND(0.010)	ND(0.0050) J
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chloromethane	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0010)
Tetrachloroethene	ND(0.0020)	ND(0.0050)	ND(0.0020)	0.018
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Vinyl Chloride	ND(0.0020)	ND(0.010)	ND(0.0020)	ND(0.0010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	0.018
PCBs-Unfiltered				
Aroclor-1254	0.00023	0.000054	ND(0.000065)	NA
Aroclor-1260	0.000080	ND(0.000050)	ND(0.000065)	NA
Total PCBs	0.00031	0.000054	ND(0.000065)	NA
PCBs-Filtered				
Aroclor-1254	0.00011	NA	ND(0.000065)	ND(0.00010)
Aroclor-1260	ND(0.000065)	NA	ND(0.000065)	ND(0.00010)
Total PCBs	0.00011	NA	ND(0.000065)	ND(0.00010)
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.059)	ND(0.050)	ND(0.020) J
Acenaphthene	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.012)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.012)	ND(0.010)	ND(0.010) J
Furans				
2,3,7,8-TCDF	ND(0.0000000011)	ND(0.0000000011)	ND(0.0000000013)	ND(0.0000000010)
TCDFs (total)	ND(0.000000018) X	0.0000000090 J	ND(0.0000000013)	ND(0.0000000010)
1,2,3,7,8-PeCDF	ND(0.000000012)	ND(0.0000000025)	ND0.0000000037)	ND(0.0000000050)
2,3,4,7,8-PeCDF	0.0000000034 J	ND(0.0000000024)	ND(0.0000000015)	ND(0.0000000050)
PeCDFs (total)	0.000000044	ND(0.0000000025)	ND(0.0000000037)	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	ND(0.000000013)	ND(0.0000000011)	ND(0.0000000025)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	ND(0.0000000032)	ND(0.0000000011)	ND(0.0000000015)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	ND(0.0000000010)	ND(0.0000000016)	ND(0.0000000021)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	ND(0.0000000017)	ND(0.0000000012)	ND(0.00000000090)	ND(0.0000000050)
HxCDFs (total)	ND(0.000000027)	ND(0.0000000016)	ND(0.0000000046)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000066)	ND(0.0000000073)	ND(0.0000000025)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	0.0000000034 JB	ND(0.0000000090)	ND(0.0000000015)	ND(0.0000000050)
HpCDFs (total)	ND(0.000000014)	0.0000000078 J	ND(0.0000000025)	ND(0.0000000050)
OCDF	0.000000023 J	ND(0.0000000037)	ND(0.0000000046)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	0.000000017	ND(0.0000000012)	ND(0.0000000018)	ND(0.0000000011)
TCDDs (total)	0.000000017	ND(0.0000000012)	ND(0.0000000018)	ND(0.0000000011)
1,2,3,7,8-PeCDD	ND(0.0000000018)	ND(0.0000000046)	ND(0.0000000015)	ND(0.0000000050)
PeCDDs (total)	ND(0.0000000093)	ND(0.0000000046)	ND(0.0000000015)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	ND(0.0000000016)	ND(0.0000000034)	ND(0.0000000012)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	ND(0.000000017)	ND(0.0000000042)	ND(0.0000000013)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	ND(0.000000012)	ND(0.0000000038)	ND(0.0000000012)	ND(0.0000000050)
HxCDDs (total)	ND(0.000000062)	ND(0.0000000042)	ND(0.0000000025)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	0.000000084 B	ND(0.0000000070)	ND(0.0000000045)	ND(0.0000000050)
HpCDDs (total)	0.00000012	ND(0.0000000070)	ND(0.0000000045)	ND(0.0000000050)
OCDD	ND(0.000000048)	ND(0.0000000044)	ND(0.000000029)	0.000000013 J
Total TEQs (WHO TEFs)	0.000000023	0.0000000046	0.0000000028	0.0000000063

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NY-4 04/30/01	OPCA-MW-1 06/16/99	OPCA-MW-1 05/02/01	OPCA-MW-1R 11/08/06
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	NA
Arsenic	0.00450 B	ND(0.00600)	0.00450 B	NA
Barium	0.0300 B	0.0620	0.0240 B	NA
Beryllium	ND(0.00100)	ND(0.00600)	ND(0.00100)	NA
Cadmium	ND(0.00500)	ND(0.00600) J	ND(0.00500)	NA
Chromium	0.00460 B	ND(0.0130)	ND(0.025) J	NA
Cobalt	ND(0.0500)	ND(0.0600)	0.000350 B	NA
Copper	0.0100 B	ND(0.0330)	ND(0.0250)	NA
Mercury	ND(0.000200)	ND(0.000500)	ND(0.000200)	NA
Nickel	ND(0.0400)	ND(0.0600)	ND(0.0400)	NA
Selenium	0.0080 J	ND(0.00600)	ND(0.00500)	NA
Silver	ND(0.00500)	ND(0.0130)	ND(0.00500)	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(1.00)
Thallium	ND(0.0100)	ND(0.0130)	ND(0.010) J	NA
Tin	ND(0.0300)	ND(0.300) j	ND(0.0300)	NA
Vanadium	ND(0.0500)	ND(0.0600)	ND(0.0500)	NA
Zinc	0.0350	ND(0.0260)	0.028 J	NA
Inorganics-Filtered				
Antimony	ND(0.0600)	NA	ND(0.0600)	ND(0.0400)
Arsenic	ND(0.0100)	NA	ND(0.0100)	ND(0.0100) J
Barium	0.0170 B	NA	0.0230 B	ND(0.500) J
Beryllium	ND(0.00100)	NA	ND(0.00100)	ND(0.0100) J
Cadmium	ND(0.00500)	NA	ND(0.00500)	ND(0.00500) J
Chromium	ND(0.0100)	NA	ND(0.025) J	ND(0.0100)
Cobalt	ND(0.0500)	NA	ND(0.0500)	ND(0.0100) J
Copper	0.00410 B	NA	0.00420 B	ND(0.200) J
Mercury	ND(0.000200)	NA	ND(0.000200)	ND(0.000285)
Nickel	ND(0.0400)	NA	ND(0.0400)	ND(0.0500) J
Selenium	0.0075 J	NA	ND(0.00500)	ND(0.0200) J
Silver	ND(0.00500)	NA	ND(0.00500)	ND(0.0100)
Thallium	ND(0.0100)	NA	ND(0.010) J	0.00752 J
Tin	ND(0.0300)	NA	ND(0.0300)	ND(0.100)
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500) J
Zinc	0.0180 B	NA	0.028 J	0.00409 B

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1R 04/19/07	OPCA-MW-1R 10/05/07	OPCA-MW-2 06/15/99
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Acetone	ND(0.0050) J	ND(0.0050) J	ND(0.10) [ND(0.10)]
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.010) [ND(0.010)]
Tetrachloroethene	0.012	0.015	ND(0.0050) [ND(0.0050)]
Toluene	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
Vinyl Chloride	ND(0.0010) J	ND(0.0010)	ND(0.010) [ND(0.010)]
Total VOCs	0.012	0.015	ND(0.20) [ND(0.20)]
PCBs-Unfiltered			
Aroclor-1254	NA	NA	ND(0.000050) [ND(0.000050)]
Aroclor-1260	NA	NA	ND(0.000050) [ND(0.000050)]
Total PCBs	NA	NA	ND(0.000050) [ND(0.000050)]
PCBs-Filtered			
Aroclor-1254	ND(0.00011)	ND(0.00010)	NA
Aroclor-1260	ND(0.00011)	ND(0.00010)	NA
Total PCBs	ND(0.00011)	ND(0.00010)	NA
Semivolatile Organics			
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.050) [ND(0.050)]
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Furans			
2,3,7,8-TCDF	0.0000000045 J	0.0000000025 J	ND(0.00000000080) [ND(0.00000000060)]
TCDFs (total)	0.0000000067 J	0.00000035 J	ND(0.00000000080) [ND(0.00000000060)]
1,2,3,7,8-PeCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000038) [ND(0.0000000021)]
2,3,4,7,8-PeCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000040) [ND(0.0000000023)]
PeCDFs (total)	ND(0.0000000051)	0.00000031 J	ND(0.0000000040) [ND(0.0000000023)]
1,2,3,4,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000011) [ND(0.0000000051)]
1,2,3,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000011) [ND(0.0000000052)]
1,2,3,7,8,9-HxCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000017) [ND(0.0000000049)]
2,3,4,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000011) [ND(0.0000000054)]
HxCDFs (total)	ND(0.0000000051)	0.00000014	ND(0.000000017) [ND(0.0000000054)]
1,2,3,4,6,7,8-HpCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000048) [ND(0.000000011)]
1,2,3,4,7,8,9-HpCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000031) [ND(0.000000013)]
HpCDFs (total)	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000048) [0.000000013 J]
OCDF	0.000000012 J	ND(0.000000010)	ND(0.000000022) [ND(0.000000010)]
Dioxins			
2,3,7,8-TCDD	ND(0.0000000018)	ND(0.0000000013)	ND(0.0000000015) [ND(0.0000000011)]
TCDDs (total)	ND(0.0000000018)	ND(0.0000000013)	ND(0.0000000015) [ND(0.0000000011)]
1,2,3,7,8-PeCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000015) [ND(0.0000000076)]
PeCDDs (total)	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000015) [ND(0.0000000076)]
1,2,3,4,7,8-HxCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000014) [ND(0.0000000068)]
1,2,3,6,7,8-HxCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000017) [ND(0.0000000085)]
1,2,3,7,8,9-HxCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000015) [ND(0.0000000076)]
HxCDDs (total)	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000017) [ND(0.0000000085)]
1,2,3,4,6,7,8-HpCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000036) [ND(0.000000013)]
HpCDDs (total)	ND(0.0000000051)	ND(0.0000000050)	ND(0.000000036) [ND(0.000000013)]
OCDD	0.000000029 J	ND(0.000000010)	ND(0.000000033) [ND(0.000000015)]
Total TEQs (WHO TEFs)	0.0000000072	0.0000000066	0.000000015 [0.0000000074]

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1R 04/19/07	OPCA-MW-1R 10/05/07	OPCA-MW-2 06/15/99
Inorganics-Unfiltered			
Antimony	NA	NA	ND(0.0600) [ND(0.0600)]
Arsenic	NA	NA	ND(0.00600) [ND(0.00600)]
Barium	NA	NA	0.0320 [0.0340]
Beryllium	NA	NA	ND(0.00600) [ND(0.00600)]
Cadmium	NA	NA	ND(0.00600) [ND(0.00600)]
Chromium	NA	NA	ND(0.0130) [ND(0.0130)]
Cobalt	NA	NA	ND(0.0600) [ND(0.0600)]
Copper	NA	NA	ND(0.0330) [ND(0.0330)]
Mercury	NA	NA	ND(0.000500) [ND(0.000500)]
Nickel	NA	NA	ND(0.0600) [ND(0.0600)]
Selenium	NA	NA	ND(0.00600) J [ND(0.00600) J]
Silver	NA	NA	ND(0.0130) [ND(0.0130)]
Sulfide	ND(1.00)	ND(1.00)	ND(5.00) [ND(5.00)]
Thallium	NA	NA	ND(0.0130) [ND(0.0130)]
Tin	NA	NA	ND(0.300) [ND(0.300)]
Vanadium	NA	NA	ND(0.0600) [ND(0.0600)]
Zinc	NA	NA	ND(0.0260) [ND(0.0260)]
Inorganics-Filtered			
Antimony	ND(0.0400)	ND(0.0400)	NA
Arsenic	ND(0.0100)	ND(0.0100)	NA
Barium	0.0646 B	ND(0.107)	NA
Beryllium	0.00194 J	ND(0.0100) J	NA
Cadmium	ND(0.0100) J	ND(0.0050) J	NA
Chromium	ND(0.0100) J	ND(0.0100) J	NA
Cobalt	ND(0.0100) J	ND(0.0100)	NA
Copper	ND(0.0100) J	ND(0.0100) J	NA
Mercury	ND(0.000285)	ND(0.000285)	NA
Nickel	ND(0.0100) J	ND(0.0100) J	NA
Selenium	ND(0.0200)	ND(0.0200) J	NA
Silver	ND(0.0100)	ND(0.0100) J	NA
Thallium	ND(0.0100)	ND(0.0100)	NA
Tin	ND(0.0100) J	ND(0.100) J	NA
Vanadium	0.00665 B	ND(0.0500)	NA
Zinc	0.0388	ND(0.0200)	NA

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-2 05/02/01	OPCA-MW-2 11/09/06	OPCA-MW-2 04/19/07
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.010)	ND(0.0050) J	ND(0.0050) J
Benzene	ND(0.0050)	ND(0.0010)	ND(0.0010)
Bromoform	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0050)	0.00033 J	ND(0.0010)
Tetrachloroethene	ND(0.0020)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0050)	0.0010	ND(0.0010)
Trichloroethene	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0020)	ND(0.0010)	ND(0.0010) J
Total VOCs	ND(0.20)	0.0013 J	ND(0.10)
PCBs-Unfiltered			
Aroclor-1254	ND(0.000065)	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA
Total PCBs	ND(0.000065)	NA	NA
PCBs-Filtered			
Aroclor-1254	ND(0.000065)	ND(0.00011) J	ND(0.00011)
Aroclor-1260	ND(0.000065)	ND(0.00011) J	ND(0.00011)
Total PCBs	ND(0.000065)	ND(0.00011) J	ND(0.00011)
Semivolatile Organics			
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020) J	ND(0.020)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010) J	ND(0.010)
Furans			
2,3,7,8-TCDF	ND(0.0000000013)	ND(0.0000000010)	ND(0.0000000035) X
TCDFs (total)	ND(0.0000000013)	ND(0.0000000010)	ND(0.0000000016)
1,2,3,7,8-PeCDF	ND(0.0000000020)	ND(0.0000000051)	ND(0.0000000055)
2,3,4,7,8-PeCDF	ND(0.0000000020)	ND(0.0000000051)	ND(0.0000000055)
PeCDFs (total)	ND(0.0000000020)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,7,8-HxCDF	ND(0.0000000022)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,6,7,8-HxCDF	ND(0.0000000010)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,7,8,9-HxCDF	ND(0.0000000014)	ND(0.0000000051)	ND(0.0000000055)
2,3,4,6,7,8-HxCDF	ND(0.0000000012)	ND(0.0000000051)	ND(0.0000000055)
HxCDFs (total)	ND(0.0000000022)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000018)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000022)	ND(0.0000000051)	ND(0.0000000055)
HpCDFs (total)	ND(0.0000000020)	ND(0.0000000051)	ND(0.0000000055)
OCDF	ND(0.0000000043)	ND(0.000000010)	ND(0.000000011)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000017)	ND(0.0000000016)	ND(0.0000000021)
TCDDs (total)	ND(0.0000000017)	ND(0.0000000016)	ND(0.0000000021)
1,2,3,7,8-PeCDD	ND(0.0000000018)	ND(0.0000000051)	ND(0.0000000055)
PeCDDs (total)	ND(0.0000000018)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,7,8-HxCDD	ND(0.0000000017)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,6,7,8-HxCDD	ND(0.0000000017)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,7,8,9-HxCDD	ND(0.0000000017)	ND(0.0000000051)	ND(0.0000000055)
HxCDDs (total)	ND(0.0000000017)	ND(0.0000000051)	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000031)	ND(0.0000000051)	ND(0.0000000055)
HpCDDs (total)	ND(0.0000000031)	ND(0.0000000051)	ND(0.0000000055)
OCDD	ND(0.000000012)	0.000000015 J	ND(0.000000011)
Total TEQs (WHO TEFs)	0.0000000029	0.0000000066	0.0000000074

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-2 05/02/01	OPCA-MW-2 11/09/06	OPCA-MW-2 04/19/07
Inorganics-Unfiltered			
Antimony	ND(0.0600)	NA	NA
Arsenic	ND(0.0100)	NA	NA
Barium	0.0190 B	NA	NA
Beryllium	ND(0.00100)	NA	NA
Cadmium	ND(0.00500)	NA	NA
Chromium	ND(0.025) J	NA	NA
Cobalt	ND(0.0500)	NA	NA
Copper	ND(0.0250)	NA	NA
Mercury	ND(0.000200)	NA	NA
Nickel	ND(0.0400)	NA	NA
Selenium	0.00890	NA	NA
Silver	ND(0.00500)	NA	NA
Sulfide	ND(5.00)	ND(1.00)	ND(1.00)
Thallium	ND(0.010) J	NA	NA
Tin	ND(0.0300)	NA	NA
Vanadium	ND(0.0500)	NA	NA
Zinc	0.016 BJ	NA	NA
Inorganics-Filtered			
Antimony	ND(0.0600)	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Barium	0.0180 B	ND(0.500) J	ND(0.0100)
Beryllium	ND(0.00100)	ND(0.0100) J	0.00386 J
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.0100) J
Chromium	ND(0.025) J	ND(0.0100)	ND(0.0100) J
Cobalt	ND(0.0500)	ND(0.0100) J	ND(0.0100) J
Copper	ND(0.0250)	ND(0.200)	ND(0.0100) J
Mercury	ND(0.000200)	ND(0.000285)	ND(0.000285)
Nickel	ND(0.0400)	ND(0.0500) J	ND(0.0100) J
Selenium	ND(0.00500)	ND(0.0200) J	0.0111 B
Silver	ND(0.00500)	ND(0.0100)	ND(0.0100)
Thallium	ND(0.010) J	ND(0.0100) J	ND(0.0100)
Tin	ND(0.0300)	ND(0.100)	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500) J	ND(0.0500)
Zinc	0.020 BJ	0.00485 B	0.00586 B

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-2 10/08/07	OPCA-MW-3 06/16/99	OPCA-MW-3 05/02/01
Volatile Organics			
1,1,1-Trichloroethane	0.00013 J [0.00013 J]	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050) J [ND(0.0050) J]	ND(0.10)	ND(0.010)
Benzene	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0010) [ND(0.0010)]	ND(0.010)	ND(0.0050)
Tetrachloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0020)
Toluene	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	0.00040 J [0.00041 J]	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0010) [ND(0.0010)]	ND(0.010)	ND(0.0020)
Total VOCs	0.00053 J [0.00054 J]	ND(0.20)	ND(0.20)
PCBs-Unfiltered			
Aroclor-1254	NA	0.000040 J	ND(0.000065)
Aroclor-1260	NA	ND(0.000051)	ND(0.000065)
Total PCBs	NA	0.000040 J	ND(0.000065)
PCBs-Filtered			
Aroclor-1254	ND(0.00010) [ND(0.00010)]	NA	ND(0.000065)
Aroclor-1260	ND(0.00010) [ND(0.00010)]	NA	ND(0.000065)
Total PCBs	ND(0.00010) [ND(0.00010)]	NA	ND(0.000065)
Semivolatile Organics			
3,3'-Dichlorobenzidine	ND(0.020) [ND(0.020)]	ND(0.054)	ND(0.020)
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.011)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010) [ND(0.010)]	ND(0.011)	ND(0.0060)
Dibenzofuran	ND(0.010) [ND(0.010)]	ND(0.011)	ND(0.010)
Dimethylphthalate	ND(0.010) [ND(0.010)]	ND(0.011)	ND(0.010)
Naphthalene	ND(0.010) [ND(0.010)]	ND(0.011)	ND(0.010)
Furans			
2,3,7,8-TCDF	ND(0.0000000014) [ND(0.0000000015) X]	ND(0.0000000035)	ND(0.0000000011)
TCDFs (total)	0.000000036 J [0.000000050 J]	ND(0.0000000035)	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000041)	ND(0.0000000016)
2,3,4,7,8-PeCDF	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000039)	ND(0.0000000016)
PeCDFs (total)	0.000000016 J [0.000000049 J]	ND(0.0000000041)	ND(0.0000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000050) [0.0000000055 J]	ND(0.0000000013)	ND(0.0000000010)
1,2,3,6,7,8-HxCDF	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000013)	ND(0.0000000010)
1,2,3,7,8,9-HxCDF	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000018)	ND(0.0000000013)
2,3,4,6,7,8-HxCDF	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000013)	ND(0.0000000011)
HxCDFs (total)	ND(0.0000000050) [0.000000017 J]	ND(0.0000000018)	ND(0.0000000011)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000080)	ND(0.0000000014)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000099)	ND(0.0000000017)
HpCDFs (total)	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000099)	ND(0.0000000015)
OCDF	ND(0.000000010) [ND(0.000000010)]	ND(0.0000000041)	ND(0.0000000031)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000014) [ND(0.0000000018) X]	ND(0.0000000020)	ND(0.0000000016)
TCDDs (total)	ND(0.0000000014) [ND(0.0000000012)]	ND(0.0000000020)	ND(0.0000000016)
1,2,3,7,8-PeCDD	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000089)	ND(0.0000000018)
PeCDDs (total)	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000089)	ND(0.0000000018)
1,2,3,4,7,8-HxCDD	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000058)	ND(0.0000000016)
1,2,3,6,7,8-HxCDD	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000072)	ND(0.0000000017)
1,2,3,7,8,9-HxCDD	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000064)	ND(0.0000000016)
HxCDDs (total)	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000072)	ND(0.0000000016)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000077)	ND(0.0000000025)
HpCDDs (total)	ND(0.0000000050) [ND(0.0000000051)]	ND(0.0000000077)	ND(0.0000000025)
OCDD	ND(0.000000010) [0.000000015 J]	ND(0.0000000048)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000000065 [0.0000000071]	0.0000000081	0.0000000027

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-2 10/08/07	OPCA-MW-3 06/16/99	OPCA-MW-3 05/02/01
Inorganics-Unfiltered			
Antimony	NA	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.00600)	0.00420 B
Barium	NA	0.00950	0.0760 B
Beryllium	NA	ND(0.00600)	ND(0.00100)
Cadmium	NA	ND(0.00600) J	ND(0.00500)
Chromium	NA	ND(0.0130)	ND(0.025) J
Cobalt	NA	ND(0.0600)	ND(0.0500)
Copper	NA	ND(0.0330)	0.00610 B
Mercury	NA	ND(0.000500)	ND(0.000200)
Nickel	NA	ND(0.0600)	ND(0.0400)
Selenium	NA	ND(0.00600)	0.00540
Silver	NA	ND(0.0130)	ND(0.00500)
Sulfide	ND(1.00) J [ND(1.00) J]	ND(5.00)	ND(5.00)
Thallium	NA	ND(0.0130)	ND(0.010) J
Tin	NA	ND(0.300) j	ND(0.0300)
Vanadium	NA	ND(0.0600)	ND(0.0500)
Zinc	NA	0.0880	0.035 J
Inorganics-Filtered			
Antimony	ND(0.0400) [ND(0.0400)]	NA	ND(0.0600)
Arsenic	ND(0.0100) J [ND(0.0100) J]	NA	ND(0.0100)
Barium	0.0144 B [0.0128 B]	NA	0.0700 B
Beryllium	ND(0.0100) J [ND(0.0100) J]	NA	ND(0.00100)
Cadmium	ND(0.00500) J [ND(0.00500) J]	NA	ND(0.00500)
Chromium	ND(0.0100) [ND(0.0100)]	NA	ND(0.025) J
Cobalt	ND(0.0100) [ND(0.0100)]	NA	ND(0.0500)
Copper	ND(0.0100) [ND(0.0100)]	NA	0.00660 B
Mercury	ND(0.000285) [ND(0.000285)]	NA	ND(0.000200)
Nickel	0.00638 B [ND(0.0100)]	NA	ND(0.0400)
Selenium	ND(0.0200) J [ND(0.0200) J]	NA	ND(0.00500)
Silver	ND(0.0100) J [ND(0.0100) J]	NA	ND(0.00500)
Thallium	ND(0.0100) [ND(0.0100)]	NA	ND(0.010) J
Tin	ND(0.0100) [ND(0.0100)]	NA	ND(0.0300)
Vanadium	ND(0.0500) [ND(0.0500)]	NA	ND(0.0500)
Zinc	ND(0.0200) [ND(0.0200)]	NA	0.017 J

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 11/10/06	OPCA-MW-3 04/20/07	OPCA-MW-3 10/09/07	OPCA-MW-4 06/15/99
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Acetone	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.10)
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Toluene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
Total VOCs	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	NA	0.00089
Aroclor-1260	NA	NA	NA	ND(0.000050)
Total PCBs	NA	NA	NA	0.00089
PCBs-Filtered				
Aroclor-1254	ND(0.00011) J	ND(0.00011)	ND(0.000065)	NA
Aroclor-1260	ND(0.00011) J	ND(0.00011)	ND(0.000065)	NA
Total PCBs	ND(0.00011) J	ND(0.00011)	ND(0.000065)	NA
Semivolatile Organics				
3,3'-Dichlorobenzidine	R	ND(0.020)	ND(0.020)	ND(0.052)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.0000000011)	0.0000000037 J	ND(0.0000000015)	ND(0.00000000070)
TCDFs (total)	ND(0.0000000011)	0.0000000037 J	ND(0.0000000015)	ND(0.00000000070)
1,2,3,7,8-PeCDF	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000043)
2,3,4,7,8-PeCDF	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000040)
PeCDFs (total)	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000043)
1,2,3,4,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000090)
1,2,3,6,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000092)
1,2,3,7,8,9-HxCDF	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000087)
2,3,4,6,7,8-HxCDF	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000095)
HxCDFs (total)	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.0000000095)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000020)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000020)
HpCDFs (total)	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000020)
OCDF	ND(0.000000011)	ND(0.000000011)	ND(0.000000010)	ND(0.000000020)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000011)	ND(0.0000000021)	ND(0.0000000017)	ND(0.0000000013)
TCDDs (total)	ND(0.0000000015)	ND(0.0000000021)	ND(0.0000000017)	ND(0.0000000013)
1,2,3,7,8-PeCDD	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000018)
PeCDDs (total)	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000018)
1,2,3,4,7,8-HxCDD	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000013)
1,2,3,6,7,8-HxCDD	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000016)
1,2,3,7,8,9-HxCDD	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000014)
HxCDDs (total)	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000016)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000027)
HpCDDs (total)	ND(0.0000000055)	ND(0.0000000055)	ND(0.0000000050)	ND(0.000000027)
OCDD	ND(0.000000011)	ND(0.000000011)	ND(0.000000010)	ND(0.000000030)
Total TEQs (WHO TEFs)	0.0000000069	0.0000000076	0.0000000067	0.000000015

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 11/10/06	OPCA-MW-3 04/20/07	OPCA-MW-3 10/09/07	OPCA-MW-4 06/15/99
Inorganics-Unfiltered				
Antimony	NA	NA	NA	ND(0.0600)
Arsenic	NA	NA	NA	ND(0.00600)
Barium	NA	NA	NA	0.0370
Beryllium	NA	NA	NA	ND(0.00600)
Cadmium	NA	NA	NA	ND(0.00600)
Chromium	NA	NA	NA	ND(0.0130)
Cobalt	NA	NA	NA	ND(0.0600)
Copper	NA	NA	NA	ND(0.0330)
Mercury	NA	NA	NA	ND(0.000500)
Nickel	NA	NA	NA	ND(0.0600)
Selenium	NA	NA	NA	ND(0.00600) J
Silver	NA	NA	NA	ND(0.0130)
Sulfide	ND(1.00)	ND(1.00)	ND(1.00)	ND(5.00)
Thallium	NA	NA	NA	ND(0.0130)
Tin	NA	NA	NA	ND(0.300)
Vanadium	NA	NA	NA	ND(0.0600)
Zinc	NA	NA	NA	ND(0.0260)
Inorganics-Filtered				
Antimony	ND(0.0400)	ND(0.0400)	ND(0.0400)	NA
Arsenic	ND(0.0100) J	ND(0.0100)	ND(0.0100)	NA
Barium	ND(0.500) J	0.0566 B	0.0620 B	NA
Beryllium	0.00135 J	0.00713 J	0.000330 B	NA
Cadmium	ND(0.00500) J	ND(0.0100) J	ND(0.00500) J	NA
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100) J	NA
Cobalt	ND(0.0100) J	ND(0.0100) J	ND(0.0100)	NA
Copper	ND(0.200) J	ND(0.0100) J	ND(0.0100)	NA
Mercury	ND(0.000285)	0.000197 B	ND(0.000285)	NA
Nickel	ND(0.0500) J	0.00664 J	ND(0.0100)	NA
Selenium	ND(0.0200) J	ND(0.0200)	ND(0.0200)	NA
Silver	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Thallium	0.0110 J	ND(0.0100) J	ND(0.0100) J	NA
Tin	ND(0.100)	ND(0.0100) J	ND(0.0100)	NA
Vanadium	ND(0.0500) J	ND(0.0500)	ND(0.0500)	NA
Zinc	0.00565 B	0.0119 B	ND(0.0200)	NA

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-4 05/02/01	OPCA-MW-4 11/09/06	OPCA-MW-4 04/18/07
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Acetone	ND(0.010)	ND(0.0050) J [ND(0.0050) J]	ND(0.0050)
Benzene	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Bromoform	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chlorobenzene	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chloromethane	ND(0.0050)	0.00068 J [0.00039 J]	ND(0.0010)
Tetrachloroethene	ND(0.0020)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	ND(0.0050)	ND(0.0010) [0.00073 J]	ND(0.0010)
Trichloroethene	ND(0.0050)	0.0020 [0.0020]	0.0010
Trichlorofluoromethane	ND(0.0050)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Vinyl Chloride	ND(0.0020)	0.00055 J [0.00057 J]	ND(0.0010)
Total VOCs	ND(0.20)	0.0032 J [0.0037 J]	0.0010
PCBs-Unfiltered			
Aroclor-1254	0.000093	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA
Total PCBs	0.000093	NA	NA
PCBs-Filtered			
Aroclor-1254	0.00015	ND(0.00011) J [ND(0.00011) J]	ND(0.00011)
Aroclor-1260	ND(0.000065)	ND(0.00011) J [ND(0.00011) J]	0.000043 J
Total PCBs	0.00015	ND(0.00011) J [ND(0.00011) J]	0.000043 J
Semivolatile Organics			
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020) J [R]	ND(0.020)
Acenaphthene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.010) [ND(0.010)]	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010) J [ND(0.010) J]	ND(0.010)
Furans			
2,3,7,8-TCDF	ND(0.0000000012)	ND(0.0000000010) [ND(0.0000000010)]	ND(0.0000000016)
TCDFs (total)	0.000000016	0.0000000052 J [0.0000000029 J]	ND(0.0000000016)
1,2,3,7,8-PeCDF	ND(0.0000000083)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
2,3,4,7,8-PeCDF	ND(0.000000011)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
PeCDFs (total)	ND(0.000000063)	0.000000019 J [0.000000013 J]	ND(0.0000000055) Q
1,2,3,4,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
1,2,3,6,7,8-HxCDF	ND(0.0000000045)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
1,2,3,7,8,9-HxCDF	ND(0.0000000056)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
2,3,4,6,7,8-HxCDF	ND(0.0000000032)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
HxCDFs (total)	ND(0.000000019)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000046)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000037)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
HpCDFs (total)	ND(0.0000000084)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
OCDF	ND(0.0000000090)	ND(0.000000010) [ND(0.000000010)]	ND(0.000000011)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000047)	ND(0.0000000010) [ND(0.0000000014)]	ND(0.0000000018)
TCDDs (total)	ND(0.0000000047)	ND(0.0000000010) [ND(0.0000000014)]	ND(0.0000000018)
1,2,3,7,8-PeCDD	ND(0.0000000065)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
PeCDDs (total)	ND(0.0000000065)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
1,2,3,4,7,8-HxCDD	ND(0.0000000043)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
1,2,3,6,7,8-HxCDD	ND(0.0000000016)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
HxCDDs (total)	ND(0.0000000094)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000064)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
HpCDDs (total)	ND(0.0000000064)	ND(0.0000000050) [ND(0.0000000052)]	ND(0.0000000055)
OCDD	ND(0.000000029)	ND(0.000000010) [ND(0.000000010)]	0.000000015 J
Total TEQs (WHO TEFs)	0.000000010	0.0000000063 [0.0000000066]	0.0000000073

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-4 05/02/01	OPCA-MW-4 11/09/06	OPCA-MW-4 04/18/07
Inorganics-Unfiltered			
Antimony	ND(0.0600)	NA	NA
Arsenic	ND(0.0100)	NA	NA
Barium	0.0270 B	NA	NA
Beryllium	ND(0.00100)	NA	NA
Cadmium	ND(0.00500)	NA	NA
Chromium	ND(0.0100) J	NA	NA
Cobalt	ND(0.0500)	NA	NA
Copper	ND(0.0250)	NA	NA
Mercury	ND(0.000200)	NA	NA
Nickel	ND(0.0400)	NA	NA
Selenium	ND(0.00500)	NA	NA
Silver	ND(0.00500)	NA	NA
Sulfide	ND(5.00)	ND(1.00) [ND(1.00)]	ND(1.00)
Thallium	ND(0.0100) J	NA	NA
Tin	ND(0.0300)	NA	NA
Vanadium	ND(0.0500)	NA	NA
Zinc	0.0130 J	NA	NA
Inorganics-Filtered			
Antimony	0.00800 B	ND(0.0400) [ND(0.0400)]	ND(0.0400)
Arsenic	ND(0.0100)	ND(0.0100) J [ND(0.0100) J]	ND(0.0100) J
Barium	0.0260 B	ND(0.500) J [ND(0.500) J]	0.00875 B
Beryllium	ND(0.00100)	0.000590 J [0.00249 J]	ND(0.0100)
Cadmium	ND(0.00500)	ND(0.00500) J [ND(0.00500)]	ND(0.0100)
Chromium	ND(0.0100) J	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0100) J [ND(0.0100) J]	ND(0.0100)
Copper	ND(0.0250)	ND(0.200) J [ND(0.200)]	ND(0.0100) J
Mercury	ND(0.000200)	ND(0.000285) [ND(0.000285)]	ND(0.000285)
Nickel	ND(0.0400)	ND(0.0500) J [ND(0.0500) J]	0.00585 B
Selenium	0.00650	ND(0.0200) J [ND(0.0200) J]	ND(0.0200)
Silver	ND(0.00500)	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Thallium	ND(0.0100) J	0.00666 J [ND(0.0100) J]	ND(0.0100)
Tin	ND(0.0300)	ND(0.100) [ND(0.100)]	0.0332 J
Vanadium	ND(0.0500)	ND(0.0500) J [ND(0.0500) J]	ND(0.0500)
Zinc	0.0150 J	0.00883 B [0.00999 B]	0.0290

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OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample ID: / Parameter / Date Collected:	OPCA-MW-4 10/09/07	OPCA-MW-5 06/15/99	OPCA-MW-5R 06/28/01	OPCA-MW-5R 11/09/06
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Acetone	ND(0.0050) J	ND(0.10)	ND(0.010) J	ND(0.0050) J
Benzene	ND(0.0010)	ND(0.0050)	ND(0.0050)	0.00024 J
Bromoform	ND(0.0010)	ND(0.0050)	ND(0.0050) J	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0050)	ND(0.0050)	0.0018
Chloroform	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Chloromethane	ND(0.0010)	ND(0.010)	ND(0.0050)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0050)	ND(0.0020)	ND(0.0010)
Toluene	0.00032 J	ND(0.0050)	ND(0.0050)	0.0011
Trichloroethene	0.0017	ND(0.0050)	ND(0.0050)	ND(0.0010)
Trichlorofluoromethane	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Vinyl Chloride	ND(0.0010)	ND(0.010)	ND(0.0020)	ND(0.0010)
Total VOCs	0.0020 J	ND(0.20)	ND(0.20)	0.0031 J
PCBs-Unfiltered				
Aroclor-1254	NA	ND(0.000051)	ND(0.000065)	NA
Aroclor-1260	NA	ND(0.000051)	ND(0.000065)	NA
Total PCBs	NA	ND(0.000051)	ND(0.000065)	NA
PCBs-Filtered				
Aroclor-1254	ND(0.000065)	NA	ND(0.000065)	ND(0.00010) J
Aroclor-1260	ND(0.000065)	NA	ND(0.000065)	ND(0.00010) J
Total PCBs	ND(0.000065)	NA	ND(0.000065)	ND(0.00010) J
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.051)	ND(0.020) J	ND(0.020) J
Acenaphthene	ND(0.010)	ND(0.010)	0.011	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.0060) J	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	0.0038 J	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	0.062	ND(0.010) J
Furans				
2,3,7,8-TCDF	ND(0.0000000020)	ND(0.00000000080)	ND(0.0000000000015)	ND(0.0000000010)
TCDFs (total)	ND(0.0000000020)	ND(0.00000000080)	ND(0.0000000000015)	0.0000000012 J
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000028)	ND(0.00000000000080)	ND(0.0000000051)
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000027)	ND(0.00000000000080)	ND(0.0000000051)
PeCDFs (total)	ND(0.0000000056)	ND(0.0000000028)	ND(0.00000000000080)	ND(0.0000000051)
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000050)	ND(0.0000000000020)	ND(0.0000000051)
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000000019)	ND(0.0000000051)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000049)	ND(0.0000000000024)	ND(0.0000000051)
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000000022)	ND(0.0000000051)
HxCDFs (total)	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000000021)	ND(0.0000000051)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	ND(0.0000000088)	ND(0.0000000000019)	ND(0.0000000051)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000052)	ND(0.0000000088)	ND(0.0000000000023)	ND(0.0000000051)
HpCDFs (total)	ND(0.0000000052)	ND(0.0000000088)	ND(0.0000000000021)	ND(0.0000000051)
OCDF	ND(0.000000010)	ND(0.0000000078)	ND(0.000000000010)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000025)	ND(0.0000000012)	ND(0.0000000000031)	ND(0.0000000015)
TCDDs (total)	ND(0.0000000025)	ND(0.0000000012)	ND(0.0000000000031)	ND(0.0000000015)
1,2,3,7,8-PeCDD	ND(0.0000000052)	ND(0.000000014)	ND(0.0000000000015)	ND(0.0000000051)
PeCDDs (total)	ND(0.0000000052)	ND(0.000000014)	ND(0.0000000000044)	ND(0.0000000051)
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000062)	ND(0.0000000000029)	ND(0.0000000051)
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000077)	ND(0.0000000000031)	ND(0.0000000051)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.0000000068)	ND(0.0000000000028)	ND(0.0000000051)
HxCDDs (total)	ND(0.0000000052)	ND(0.0000000077)	ND(0.0000000000033)	ND(0.0000000051)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000052)	ND(0.000000012)	ND(0.0000000000028)	ND(0.0000000051)
HpCDDs (total)	ND(0.0000000052)	ND(0.000000012)	ND(0.0000000000040)	ND(0.0000000051)
OCDD	ND(0.000000010)	ND(0.000000012)	ND(0.000000000016) X	0.000000012 J
Total TEQs (WHO TEFs)	0.0000000073	0.000000011	0.0000000000035	0.0000000067

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OPCA Monitoring Program

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-4 10/09/07	OPCA-MW-5 06/15/99	OPCA-MW-5R 06/28/01	OPCA-MW-5R 11/09/06
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600)	ND(0.0600)	NA
Arsenic	NA	ND(0.00600)	0.00790 B	NA
Barium	NA	0.0290	0.0590 B	NA
Beryllium	NA	ND(0.00600)	ND(0.00100)	NA
Cadmium	NA	ND(0.00600)	ND(0.00500)	NA
Chromium	NA	ND(0.0130)	0.00430 B	NA
Cobalt	NA	ND(0.0600)	0.00620 B	NA
Copper	NA	ND(0.0330)	ND(0.0250)	NA
Mercury	NA	ND(0.000500)	ND(0.000200)	NA
Nickel	NA	ND(0.0600)	ND(0.0400)	NA
Selenium	NA	ND(0.00600) J	ND(0.00500)	NA
Silver	NA	ND(0.0130)	ND(0.00500)	NA
Sulfide	ND(1.00)	ND(5.00)	8.00	ND(1.00)
Thallium	NA	ND(0.0130)	ND(0.0100)	NA
Tin	NA	ND(0.300)	ND(0.0300)	NA
Vanadium	NA	ND(0.0600)	ND(0.0500)	NA
Zinc	NA	ND(0.0260)	0.0150 B	NA
Inorganics-Filtered				
Antimony	ND(0.0400)	NA	ND(0.0600)	ND(0.0400)
Arsenic	ND(0.0100)	NA	ND(0.0100)	ND(0.0100) J
Barium	0.0270 B	NA	0.0440 B	ND(0.500) J
Beryllium	0.00373 B	NA	0.000860 B	ND(0.0100) J
Cadmium	ND(0.00500) J	NA	0.00140 B	ND(0.00500) J
Chromium	ND(0.0100) J	NA	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0100)	NA	0.00660 B	ND(0.0100) J
Copper	ND(0.0100)	NA	ND(0.0250)	ND(0.200) J
Mercury	ND(0.000285)	NA	ND(0.000200)	ND(0.000285)
Nickel	ND(0.0100)	NA	ND(0.0400)	0.00498 J
Selenium	ND(0.0200)	NA	ND(0.00500)	ND(0.0200) J
Silver	ND(0.0100)	NA	ND(0.00500)	ND(0.0100)
Thallium	ND(0.0100) J	NA	ND(0.0100)	0.00828 J
Tin	ND(0.0100)	NA	ND(0.0300)	ND(0.100)
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500) J
Zinc	0.0100 B	NA	0.0110 B	0.0140 B

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Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-5R 04/18/07	OPCA-MW-5R 10/09/07	OPCA-MW-6 06/15/99	OPCA-MW-6 05/02/01
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050)	ND(0.0050) J	ND(0.10)	ND(0.010)
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0010)	0.00024 J	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0050)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0020)
Toluene	ND(0.0010)	0.00011 J	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.010)	ND(0.0020)
Total VOCs	ND(0.10)	0.00035 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	0.00012	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000050)	ND(0.000065)
Total PCBs	NA	NA	0.00012	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	ND(0.00011)	ND(0.00010)	NA	ND(0.000065)
Aroclor-1260	0.00024	ND(0.00010)	NA	ND(0.000065)
Total PCBs	0.00024	ND(0.00010)	NA	ND(0.000065)
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.052)	ND(0.020)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0060)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	0.0000000017 J	0.0000000076 J	ND(0.00000000090)	ND(0.0000000012)
TCDFs (total)	0.0000000017 J	0.00000069 J	ND(0.00000000090)	ND(0.0000000012)
1,2,3,7,8-PeCDF	ND(0.0000000053)	ND(0.0000000052) J	ND(0.0000000033)	ND(0.0000000016)
2,3,4,7,8-PeCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000031)	ND(0.0000000016)
PeCDFs (total)	ND(0.0000000053) Q	0.00000090 J	ND(0.0000000033)	ND(0.0000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000053)	0.000000053	ND(0.0000000089)	ND(0.0000000015)
1,2,3,6,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000092)	ND(0.0000000011)
1,2,3,7,8,9-HxCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000087)	ND(0.0000000014)
2,3,4,6,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000096)	ND(0.0000000012)
HxCDFs (total)	ND(0.0000000053)	0.00000042 J	ND(0.0000000095)	ND(0.0000000015)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000020)	ND(0.0000000017)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000020)	ND(0.0000000020)
HpCDFs (total)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000020)	ND(0.0000000018)
OCDF	ND(0.000000011)	ND(0.000000010)	ND(0.000000020)	ND(0.0000000039)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000016)	ND(0.0000000014)	ND(0.0000000012)	ND(0.0000000017)
TCDDs (total)	ND(0.0000000016)	ND(0.0000000014)	ND(0.0000000012)	ND(0.0000000017)
1,2,3,7,8-PeCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000012)	ND(0.0000000019)
PeCDDs (total)	ND(0.0000000053)	ND(0.0000000052) J	ND(0.000000012)	ND(0.0000000019)
1,2,3,4,7,8-HxCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000012)	ND(0.0000000016)
1,2,3,6,7,8-HxCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000015)	ND(0.0000000016)
1,2,3,7,8,9-HxCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000013)	ND(0.0000000016)
HxCDDs (total)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000015)	ND(0.0000000016)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000026)	ND(0.0000000026)
HpCDDs (total)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000026)	ND(0.0000000026)
OCDD	0.000000019 J	0.000000018 J	ND(0.000000029)	ND(0.0000000047)
Total TEQs (WHO TEFs)	0.0000000070	0.000000012	0.000000012	0.0000000028

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-5R 04/18/07	OPCA-MW-5R 10/09/07	OPCA-MW-6 06/15/99	OPCA-MW-6 05/02/01
Inorganics-Unfiltered				
Antimony	NA	NA	ND(0.0600)	ND(0.0600)
Arsenic	NA	NA	ND(0.00600)	ND(0.0100)
Barium	NA	NA	0.0300	0.0170 B
Beryllium	NA	NA	ND(0.00600)	ND(0.00100)
Cadmium	NA	NA	ND(0.00600)	ND(0.00500)
Chromium	NA	NA	ND(0.0130)	ND(0.0100) J
Cobalt	NA	NA	ND(0.0600)	ND(0.0500)
Copper	NA	NA	ND(0.0330)	0.00400 B
Mercury	NA	NA	ND(0.000500)	ND(0.000200)
Nickel	NA	NA	ND(0.0600)	ND(0.0400)
Selenium	NA	NA	ND(0.00600) J	0.00570
Silver	NA	NA	ND(0.0130)	ND(0.00500)
Sulfide	ND(1.00)	ND(1.00) J	ND(5.00)	ND(5.00)
Thallium	NA	NA	ND(0.0130)	ND(0.0100) J
Tin	NA	NA	ND(0.300)	ND(0.0300)
Vanadium	NA	NA	ND(0.0600)	ND(0.0500)
Zinc	NA	NA	ND(0.0260)	0.0210 J
Inorganics-Filtered				
Antimony	ND(0.0400)	ND(0.0400)	NA	ND(0.0600)
Arsenic	ND(0.0100) J	ND(0.0100)	NA	ND(0.0100)
Barium	0.0161 B	0.0536 B	NA	0.0160 B
Beryllium	ND(0.0100)	0.000330 B	NA	ND(0.00100)
Cadmium	ND(0.0100)	ND(0.00500) J	NA	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0100) J	NA	ND(0.0100) J
Cobalt	ND(0.0100)	ND(0.0100)	NA	ND(0.0500)
Copper	ND(0.0100) J	ND(0.0100)	NA	ND(0.0250)
Mercury	ND(0.000285)	ND(0.000285)	NA	ND(0.000200)
Nickel	ND(0.0100)	ND(0.0100)	NA	ND(0.0400)
Selenium	ND(0.0200)	ND(0.0200)	NA	0.00590
Silver	ND(0.0100)	ND(0.0100)	NA	ND(0.00500)
Thallium	ND(0.0100) J	ND(0.0100) J	NA	ND(0.0100) J
Tin	0.00102 J	ND(0.0100)	NA	ND(0.0300)
Vanadium	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc	0.0124 B	0.00813 B	NA	0.0150 J

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-6 11/09/06	OPCA-MW-6 04/18/07	OPCA-MW-6 10/15/07	OPCA-MW-7 06/15/99
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Acetone	ND(0.0050) J	ND(0.0050)	ND(0.0050) J	ND(0.10)
Benzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Toluene	0.00027 J	ND(0.0010)	ND(0.0010)	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.010)
Total VOCs	0.00027 J	ND(0.10)	ND(0.10)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	NA	ND(0.000051)
Aroclor-1260	NA	NA	NA	ND(0.000051)
Total PCBs	NA	NA	NA	ND(0.000051)
PCBs-Filtered				
Aroclor-1254	ND(0.00011) J	ND(0.00011)	ND(0.000065)	NA
Aroclor-1260	ND(0.00011) J	ND(0.00011)	ND(0.000065)	NA
Total PCBs	ND(0.00011) J	ND(0.00011)	ND(0.000065)	NA
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.020) J	ND(0.020)	ND(0.020)	ND(0.054)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.011)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.011)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.011)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.011)
Naphthalene	ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.011)
Furans				
2,3,7,8-TCDF	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000021)	ND(0.00000000080)
TCDFs (total)	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000021)	ND(0.00000000080)
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000030)
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000028)
PeCDFs (total)	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000030)
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000069)
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000070)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000067)
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000073)
HxCDFs (total)	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000073)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	ND(0.0000000053)	0.0000000052 J	ND(0.000000013)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000013)
HpCDFs (total)	ND(0.0000000052)	ND(0.0000000053)	0.0000000052 J	ND(0.000000013)
OCDF	ND(0.000000010)	ND(0.000000011)	0.000000013 J	ND(0.000000012)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000018)	ND(0.0000000015)	ND(0.0000000028)	ND(0.0000000013)
TCDDs (total)	ND(0.0000000018)	ND(0.0000000015)	ND(0.0000000028)	ND(0.0000000013)
1,2,3,7,8-PeCDD	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000010)
PeCDDs (total)	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000010)
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000097)
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000012)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000011)
HxCDDs (total)	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000012)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000017)
HpCDDs (total)	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)	ND(0.000000017)
OCDD	0.000000016 J	ND(0.000000011)	0.000000016 J	ND(0.000000018)
Total TEQs (WHO TEFs)	0.0000000069	0.0000000068	0.0000000074	0.0000000098

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-6 11/09/06	OPCA-MW-6 04/18/07	OPCA-MW-6 10/15/07	OPCA-MW-7 06/15/99
Inorganics-Unfiltered				
Antimony	NA	NA	NA	ND(0.0600)
Arsenic	NA	NA	NA	ND(0.00600)
Barium	NA	NA	NA	0.0270
Beryllium	NA	NA	NA	ND(0.00600)
Cadmium	NA	NA	NA	ND(0.00600)
Chromium	NA	NA	NA	ND(0.0130)
Cobalt	NA	NA	NA	ND(0.0600)
Copper	NA	NA	NA	ND(0.0330)
Mercury	NA	NA	NA	ND(0.000500)
Nickel	NA	NA	NA	ND(0.0600)
Selenium	NA	NA	NA	ND(0.00600) J
Silver	NA	NA	NA	ND(0.0130)
Sulfide	ND(1.00)	ND(1.00)	ND(1.00)	ND(5.00)
Thallium	NA	NA	NA	ND(0.0130)
Tin	NA	NA	NA	ND(0.300)
Vanadium	NA	NA	NA	ND(0.0600)
Zinc	NA	NA	NA	ND(0.0260)
Inorganics-Filtered				
Antimony	ND(0.0400)	ND(0.0400)	ND(0.0400)	NA
Arsenic	ND(0.0100) J	ND(0.0100) J	ND(0.0100)	NA
Barium	ND(0.500) J	0.00684 B	ND(0.500)	NA
Beryllium	0.000970 J	ND(0.0100)	0.00366 J	NA
Cadmium	ND(0.00500) J	ND(0.0100)	ND(0.00500)	NA
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Cobalt	ND(0.0100) J	ND(0.0100)	ND(0.0100)	NA
Copper	ND(0.200) J	ND(0.0100) J	ND(0.200)	NA
Mercury	ND(0.000285)	ND(0.000285)	ND(0.000570)	NA
Nickel	ND(0.0500) J	ND(0.0100)	ND(0.0500)	NA
Selenium	ND(0.0200) J	ND(0.0200)	ND(0.0200)	NA
Silver	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	NA
Tin	ND(0.100)	0.00108 J	0.00939 J	NA
Vanadium	ND(0.0500) J	ND(0.0500)	ND(0.0500)	NA
Zinc	0.00328 B	ND(0.0200)	0.0196 B	NA

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample ID: / Parameter / Date Collected:	OPCA-MW-7 05/01/01	OPCA-MW-7 11/08/06	OPCA-MW-7 04/19/07	OPCA-MW-7 10/11-10/18/2007
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.010)	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Benzene	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Bromoform	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010) J
Chlorobenzene	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0020)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0050)	0.00022 J	ND(0.0010)	0.00029 J
Trichloroethene	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0020)	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Total VOCs	ND(0.20)	0.00022 J	ND(0.10)	0.00029 J
PCBs-Unfiltered				
Aroclor-1254	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.000065)	NA	NA	NA
Total PCBs	ND(0.000065)	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	ND(0.000065)	ND(0.00011)	ND(0.00010)	0.0012
Aroclor-1260	ND(0.000065)	ND(0.00011)	ND(0.00010)	0.00091
Total PCBs	ND(0.000065)	ND(0.00011)	ND(0.00010)	0.00211
Semivolatile Organics				
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020) J	ND(0.020)	ND(0.020)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010) J	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.0000000014)	0.0000000029 J	ND(0.0000000019)	ND(0.0000000035)
TCDFs (total)	ND(0.0000000014)	0.000000037	ND(0.0000000019)	ND(0.0000000035)
1,2,3,7,8-PeCDF	ND(0.0000000016)	0.0000000071 J	ND(0.0000000056)	ND(0.0000000054)
2,3,4,7,8-PeCDF	ND(0.0000000016)	0.000000027 J	ND(0.0000000056)	ND(0.0000000054)
PeCDFs (total)	ND(0.0000000016)	0.00000015 Q	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8-HxCDF	ND(0.0000000016)	0.00000013	0.0000000057 J	ND(0.0000000054)
1,2,3,6,7,8-HxCDF	ND(0.00000000090)	0.000000052 J	ND(0.0000000056)	ND(0.0000000054)
1,2,3,7,8,9-HxCDF	ND(0.0000000011)	0.000000023 J	ND(0.0000000056)	ND(0.0000000054)
2,3,4,6,7,8-HxCDF	ND(0.0000000010)	0.000000027 J	ND(0.0000000056)	ND(0.0000000054)
HxCDFs (total)	ND(0.0000000016)	0.00000042	0.0000000057 J	ND(0.0000000054)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000016)	0.000000091	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000020)	0.000000058	ND(0.0000000056)	ND(0.0000000054)
HpCDFs (total)	ND(0.0000000018)	0.00000027	ND(0.0000000056)	ND(0.0000000054)
OCDF	ND(0.0000000038)	0.00000014	ND(0.000000011)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000020)	ND(0.0000000016)	ND(0.0000000019)	ND(0.0000000045)
TCDDs (total)	ND(0.0000000020)	0.0000000085 J	ND(0.0000000019)	ND(0.0000000045)
1,2,3,7,8-PeCDD	ND(0.0000000021)	ND(0.0000000057)	ND(0.0000000056)	ND(0.0000000054)
PeCDDs (total)	ND(0.0000000021)	0.0000000087 JQ	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8-HxCDD	ND(0.0000000017)	ND(0.0000000057)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,6,7,8-HxCDD	ND(0.0000000017)	0.0000000066 J	ND(0.0000000056)	ND(0.0000000054)
1,2,3,7,8,9-HxCDD	ND(0.0000000016)	ND(0.0000000057)	ND(0.0000000056)	ND(0.0000000054)
HxCDDs (total)	ND(0.000000010) X	0.000000055 J	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000030)	0.000000040 J	ND(0.0000000056)	ND(0.0000000054)
HpCDDs (total)	ND(0.0000000030)	0.000000080	ND(0.0000000056)	ND(0.0000000054)
OCDD	ND(0.0000000048)	0.00000026	0.000000016 J	0.000000015 J
Total TEQs (WHO TEFs)	0.0000000031	0.000000044	0.0000000078	0.0000000086

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Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-7 05/01/01	OPCA-MW-7 11/08/06	OPCA-MW-7 04/19/07	OPCA-MW-7 10/11-10/18/2007
Inorganics-Unfiltered				
Antimony	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.0100)	NA	NA	NA
Barium	0.0600 B	NA	NA	NA
Beryllium	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0100)	NA	NA	NA
Cobalt	ND(0.0500)	NA	NA	NA
Copper	0.00790 J	NA	NA	NA
Mercury	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00500) J	NA	NA	NA
Silver	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00) J
Thallium	ND(0.0100) J	NA	NA	NA
Tin	ND(0.100)	NA	NA	NA
Vanadium	ND(0.0500)	NA	NA	NA
Zinc	0.0200 B	NA	NA	NA
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100)	ND(0.0100) J	ND(0.0100)	ND(0.0100)
Barium	0.0570 J	ND(0.500) J	ND(0.0100)	0.0869 B
Beryllium	ND(0.00100)	0.00363 J	ND(0.0100) J	ND(0.0100) J
Cadmium	ND(0.00500)	ND(0.00500) J	ND(0.0100) J	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Copper	0.00730 J	ND(0.200) J	ND(0.0100) J	ND(0.0100) J
Mercury	ND(0.000200)	ND(0.000285)	ND(0.000285)	ND(0.000285)
Nickel	ND(0.0400)	ND(0.0500) J	ND(0.0100) J	ND(0.0100)
Selenium	ND(0.00500) J	ND(0.0200) J	0.00889 B	ND(0.0200)
Silver	ND(0.00500)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100)	ND(0.0100) J
Tin	ND(0.100)	ND(0.100)	ND(0.0100) J	ND(0.100) J
Vanadium	ND(0.0500)	ND(0.0500) J	0.00657 B	ND(0.0500)
Zinc	0.0200 B	0.00700 B	0.0400	0.0208

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01	OPCA-MW-8 11/08/06
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Acetone	ND(0.10)	ND(0.010) [ND(0.010)]	ND(0.0050) J
Benzene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Bromoform	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Chlorobenzene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Chloromethane	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Tetrachloroethene	ND(0.0050)	ND(0.0020) [ND(0.0020)]	ND(0.0010)
Toluene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.00037 J
Trichloroethene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0010)
Vinyl Chloride	ND(0.010)	ND(0.0020) [ND(0.0020)]	ND(0.0010)
Total VOCs	ND(0.20)	ND(0.20) [ND(0.20)]	0.00037 J
PCBs-Unfiltered			
Aroclor-1254	ND(0.00010)	ND(0.000065) [ND(0.000065)]	NA
Aroclor-1260	ND(0.00010)	ND(0.000065) [ND(0.000065)]	NA
Total PCBs	ND(0.00010)	ND(0.000065) [ND(0.000065)]	NA
PCBs-Filtered			
Aroclor-1254	NA	ND(0.000065) [ND(0.000065)]	ND(0.00011)
Aroclor-1260	NA	ND(0.000065) [ND(0.000065)]	ND(0.00011)
Total PCBs	NA	ND(0.000065) [ND(0.000065)]	ND(0.00011)
Semivolatile Organics			
3,3'-Dichlorobenzidine	ND(0.051)	ND(0.020) [ND(0.020)]	ND(0.020) J
Acenaphthene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060) [ND(0.0060)]	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010) J
Furans			
2,3,7,8-TCDF	ND(0.00000000070)	ND(0.0000000010) [ND(0.0000000018) X]	ND(0.0000000011)
TCDFs (total)	ND(0.00000000070)	ND(0.0000000010) [ND(0.0000000032) X]	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000029)	ND(0.0000000028) [ND(0.000000026)]	ND(0.0000000055)
2,3,4,7,8-PeCDF	ND(0.0000000027)	ND(0.0000000011) [0.0000000034 J]	ND(0.0000000055)
PeCDFs (total)	ND(0.0000000029)	ND(0.0000000028) [0.000000040]	ND(0.0000000055)
1,2,3,4,7,8-HxCDF	ND(0.0000000097)	ND(0.0000000014) [ND(0.0000000045)]	ND(0.0000000055)
1,2,3,6,7,8-HxCDF	ND(0.0000000099)	ND(0.00000000070) [ND(0.0000000028)]	ND(0.0000000055)
1,2,3,7,8,9-HxCDF	ND(0.0000000094)	ND(0.00000000090) [0.0000000018 JB]	ND(0.0000000055)
2,3,4,6,7,8-HxCDF	ND(0.000000010)	ND(0.00000000080) [ND(0.0000000023)]	ND(0.0000000055)
HxCDFs (total)	ND(0.000000010)	ND(0.0000000014) [0.000000025]	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDF	ND(0.000000022)	ND(0.0000000013) [ND(0.0000000036) XB]	ND(0.0000000055)
1,2,3,4,7,8,9-HpCDF	ND(0.000000022)	ND(0.0000000016) [0.0000000040 JB]	ND(0.0000000055)
HpCDFs (total)	ND(0.000000022)	ND(0.0000000014) [0.0000000058]	ND(0.0000000055)
OCDF	ND(0.000000025)	ND(0.0000000031) [0.0000000095 J]	ND(0.000000011)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000011)	ND(0.0000000013) [ND(0.0000000014)]	ND(0.0000000012)
TCDDs (total)	ND(0.0000000011)	ND(0.0000000013) [ND(0.0000000014)]	ND(0.0000000012)
1,2,3,7,8-PeCDD	ND(0.000000011)	ND(0.0000000016) [ND(0.0000000040)]	ND(0.0000000055)
PeCDDs (total)	ND(0.000000011)	ND(0.0000000016) [0.0000000040]	ND(0.0000000055)
1,2,3,4,7,8-HxCDD	ND(0.000000013)	ND(0.0000000013) [ND(0.0000000024)]	ND(0.0000000055)
1,2,3,6,7,8-HxCDD	ND(0.000000016)	ND(0.0000000013) [ND(0.0000000019) XB]	ND(0.0000000055)
1,2,3,7,8,9-HxCDD	ND(0.000000014)	ND(0.0000000012) [ND(0.0000000038)]	ND(0.0000000055)
HxCDDs (total)	ND(0.000000016)	ND(0.000000012) [0.0000000062]	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD	ND(0.000000030)	ND(0.0000000024) [ND(0.0000000081)]	ND(0.0000000055)
HpCDDs (total)	ND(0.000000030)	ND(0.0000000014) X [0.000000012]	ND(0.0000000055)
OCDD	ND(0.000000037)	ND(0.0000000051) XB [ND(0.000000043)]	0.000000012 J
Total TEQs (WHO TEFs)	0.000000011	0.0000000023 [0.0000000063]	0.0000000070

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01	OPCA-MW-8 11/08/06
Inorganics-Unfiltered			
Antimony	ND(0.0600)	ND(0.0600) [ND(0.0600)]	NA
Arsenic	ND(0.00600)	ND(0.0100) J [ND(0.0100) J]	NA
Barium	0.0860	0.0290 B [0.0300 B]	NA
Beryllium	ND(0.00600)	ND(0.00100) [ND(0.00100)]	NA
Cadmium	ND(0.00600)	ND(0.00500) [ND(0.00500)]	NA
Chromium	ND(0.0130)	0.00600 B [0.00520 B]	NA
Cobalt	ND(0.0600)	ND(0.0500) [ND(0.0500)]	NA
Copper	ND(0.0330)	ND(0.0250) [ND(0.0250)]	NA
Mercury	ND(0.000500)	ND(0.000200) [ND(0.000200)]	NA
Nickel	ND(0.0600)	ND(0.0400) [ND(0.0400)]	NA
Selenium	ND(0.00600) J	ND(0.00500) [ND(0.00500)]	NA
Silver	ND(0.0130)	ND(0.00500) [ND(0.00500)]	NA
Sulfide	ND(5.00)	ND(5.00) [ND(5.00)]	ND(1.00)
Thallium	ND(0.0130)	ND(0.0100) J [ND(0.0100) J]	NA
Tin	ND(0.300)	ND(0.100) [ND(0.100)]	NA
Vanadium	ND(0.0600)	ND(0.0500) [ND(0.0500)]	NA
Zinc	ND(0.0260)	0.0970 [0.120]	NA
Inorganics-Filtered			
Antimony	NA	ND(0.0600) [ND(0.0600)]	ND(0.0400)
Arsenic	NA	ND(0.0100) J [ND(0.0100) J]	ND(0.0100) J
Barium	NA	0.0280 J [0.0280 J]	ND(0.500) J
Beryllium	NA	ND(0.00100) [ND(0.00100)]	ND(0.0100) J
Cadmium	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500) J
Chromium	NA	0.00290 B [0.00370 B]	ND(0.0100)
Cobalt	NA	ND(0.0500) [ND(0.0500)]	ND(0.0100) J
Copper	NA	ND(0.0250) [0.00420 B]	ND(0.200) J
Mercury	NA	ND(0.000200) [ND(0.000200)]	ND(0.000285)
Nickel	NA	ND(0.0400) [0.00410 B]	ND(0.0500) J
Selenium	NA	ND(0.00500) [ND(0.00500)]	ND(0.0200) J
Silver	NA	ND(0.00500) [ND(0.00500)]	ND(0.0100)
Thallium	NA	ND(0.0100) J [ND(0.0100) J]	0.00717 J
Tin	NA	ND(0.100) [ND(0.100)]	ND(0.100)
Vanadium	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500) J
Zinc	NA	0.0540 [0.0560]	0.00819 B

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-8 04/17/07	OPCA-MW-8 10/11/07
Volatile Organics		
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)
Acetone	ND(0.0050)	ND(0.0050) J
Benzene	ND(0.0010)	ND(0.0010)
Bromoform	ND(0.0010)	ND(0.0010) J
Chlorobenzene	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0010)
Toluene	0.011	ND(0.0010)
Trichloroethene	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0010)	ND(0.0010)
Total VOCs	0.011	ND(0.10)
PCBs-Unfiltered		
Aroclor-1254	NA	NA
Aroclor-1260	NA	NA
Total PCBs	NA	NA
PCBs-Filtered		
Aroclor-1254	ND(0.00012)	ND(0.00010)
Aroclor-1260	ND(0.00012)	ND(0.00010)
Total PCBs	ND(0.00012)	ND(0.00010)
Semivolatile Organics		
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)
Acenaphthene	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	0.0017 J
Dibenzofuran	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)
Furans		
2,3,7,8-TCDF	0.0000000014 J	ND(0.0000000026)
TCDFs (total)	0.0000000014 J	ND(0.0000000026)
1,2,3,7,8-PeCDF	ND(0.0000000051)	ND(0.0000000050)
2,3,4,7,8-PeCDF	ND(0.0000000051)	ND(0.0000000050)
PeCDFs (total)	ND(0.0000000051) Q	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	ND(0.0000000051)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)
HxCDFs (total)	ND(0.0000000051)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000051)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000051)	ND(0.0000000050)
HpCDFs (total)	ND(0.0000000051)	ND(0.0000000050)
OCDF	ND(0.000000010)	ND(0.000000010)
Dioxins		
2,3,7,8-TCDD	ND(0.0000000015)	ND(0.0000000032)
TCDDs (total)	ND(0.0000000015)	ND(0.0000000032)
1,2,3,7,8-PeCDD	ND(0.0000000051)	ND(0.0000000050)
PeCDDs (total)	ND(0.0000000051)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	ND(0.0000000051)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	ND(0.0000000051)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	ND(0.0000000051)	ND(0.0000000050)
HxCDDs (total)	ND(0.0000000051)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	0.0000000063 J	ND(0.0000000059)
HpCDDs (total)	0.0000000063 J	ND(0.0000000059)
OCDD	0.000000035 J	0.000000020 J
Total TEQs (WHO TEFs)	0.0000000067	0.0000000075

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-8 04/17/07	OPCA-MW-8 10/11/07
Inorganics-Unfiltered		
Antimony	NA	NA
Arsenic	NA	NA
Barium	NA	NA
Beryllium	NA	NA
Cadmium	NA	NA
Chromium	NA	NA
Cobalt	NA	NA
Copper	NA	NA
Mercury	NA	NA
Nickel	NA	NA
Selenium	NA	NA
Silver	NA	NA
Sulfide	ND(1.00)	ND(1.00)
Thallium	NA	NA
Tin	NA	NA
Vanadium	NA	NA
Zinc	NA	NA
Inorganics-Filtered		
Antimony	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100) J	ND(0.0100)
Barium	0.00799 B	ND(0.100)
Beryllium	ND(0.0100)	ND(0.0100) J
Cadmium	ND(0.0100)	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0100)	ND(0.0100)
Copper	ND(0.0100) J	ND(0.0100) J
Mercury	ND(0.000285)	ND(0.000285)
Nickel	ND(0.0100)	ND(0.0100)
Selenium	ND(0.0200)	ND(0.0200)
Silver	ND(0.0100)	ND(0.0100)
Thallium	ND(0.0100) J	ND(0.0100) J
Tin	0.004120 J	ND(0.100) J
Vanadium	ND(0.0500)	ND(0.0500)
Zinc	0.00294 B	0.00726 B

Table B-1
OPCA Monitoring Program

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS BBL, and submitted to SGS Environmental Services, Inc. and Northeast Analytical, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. Field duplicate sample results are presented in brackets.
7. -- Indicates that all constituents for the parameter group were not detected.
8. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.

Data Qualifiers:

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

- B - Analyte was also detected in the associated method blank.
- J - Indicates that the associated numerical value is an estimated concentration.
- R - Data was rejected due to a deficiency in the data generation process.
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.

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.
- R - Data was rejected due to a deficiency in the data generation process.

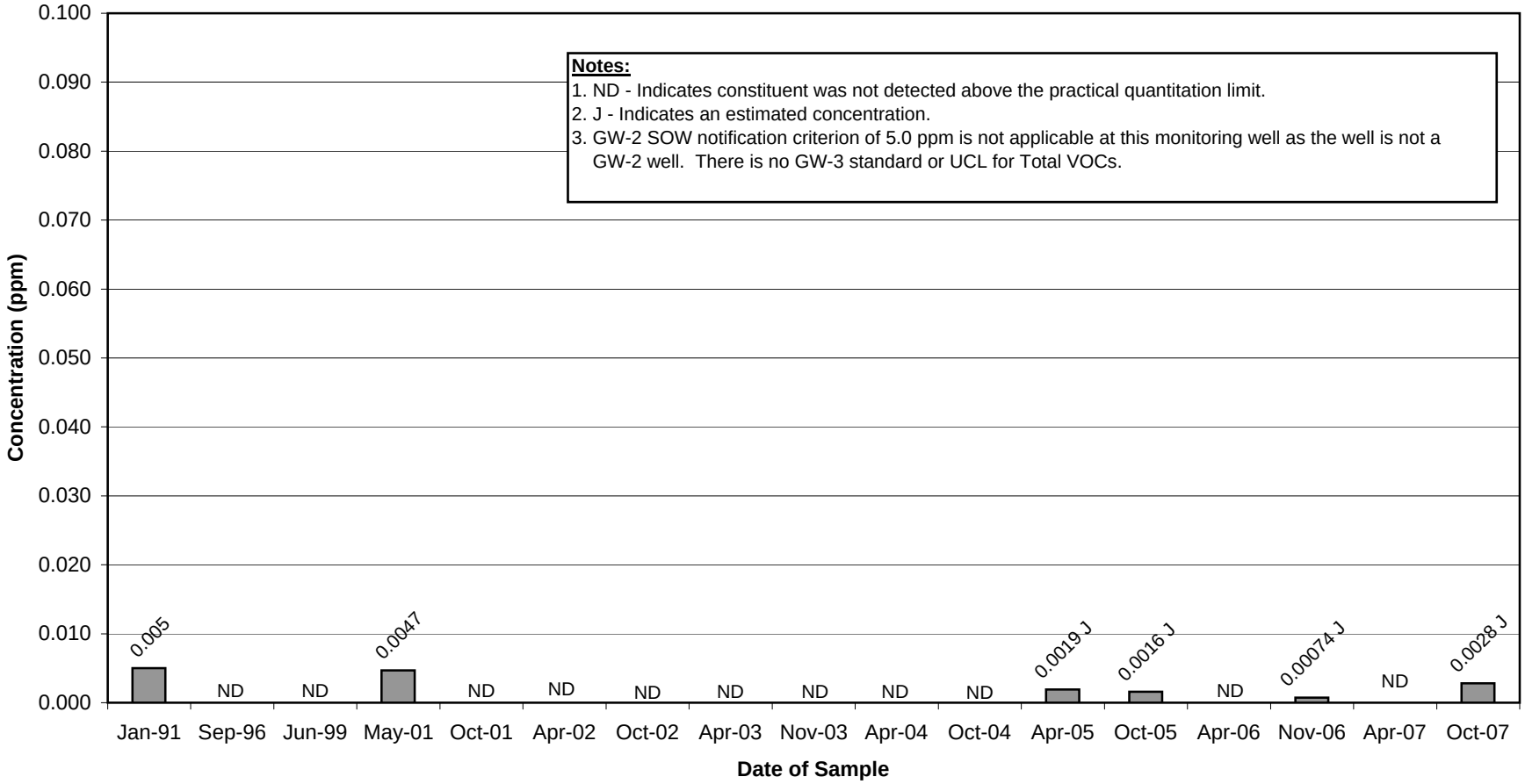
ARCADIS

Historical Groundwater Data

Total VOC Concentrations –
Wells Samples in Fall 2007

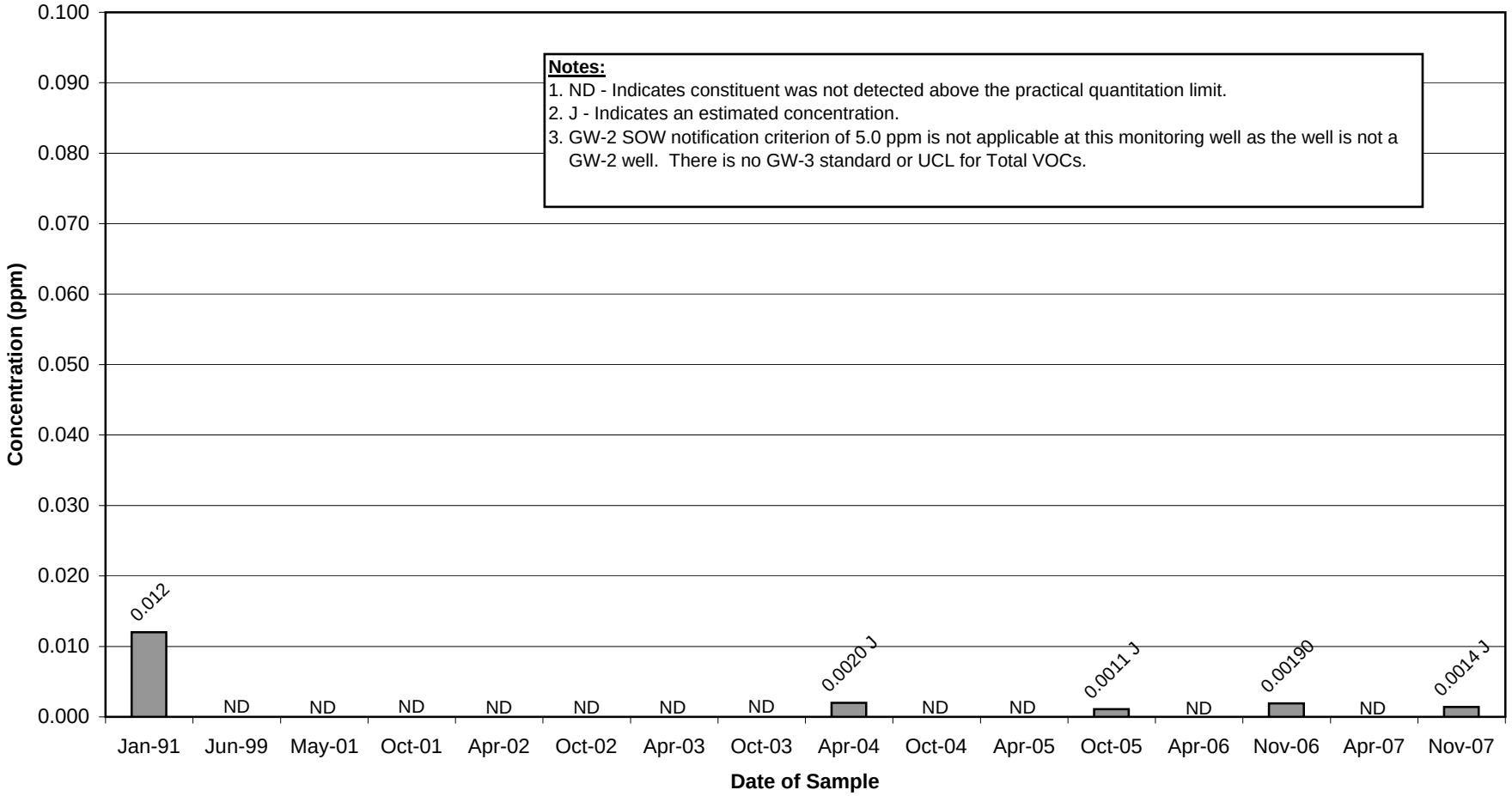
Appendix B
Well 78-1 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



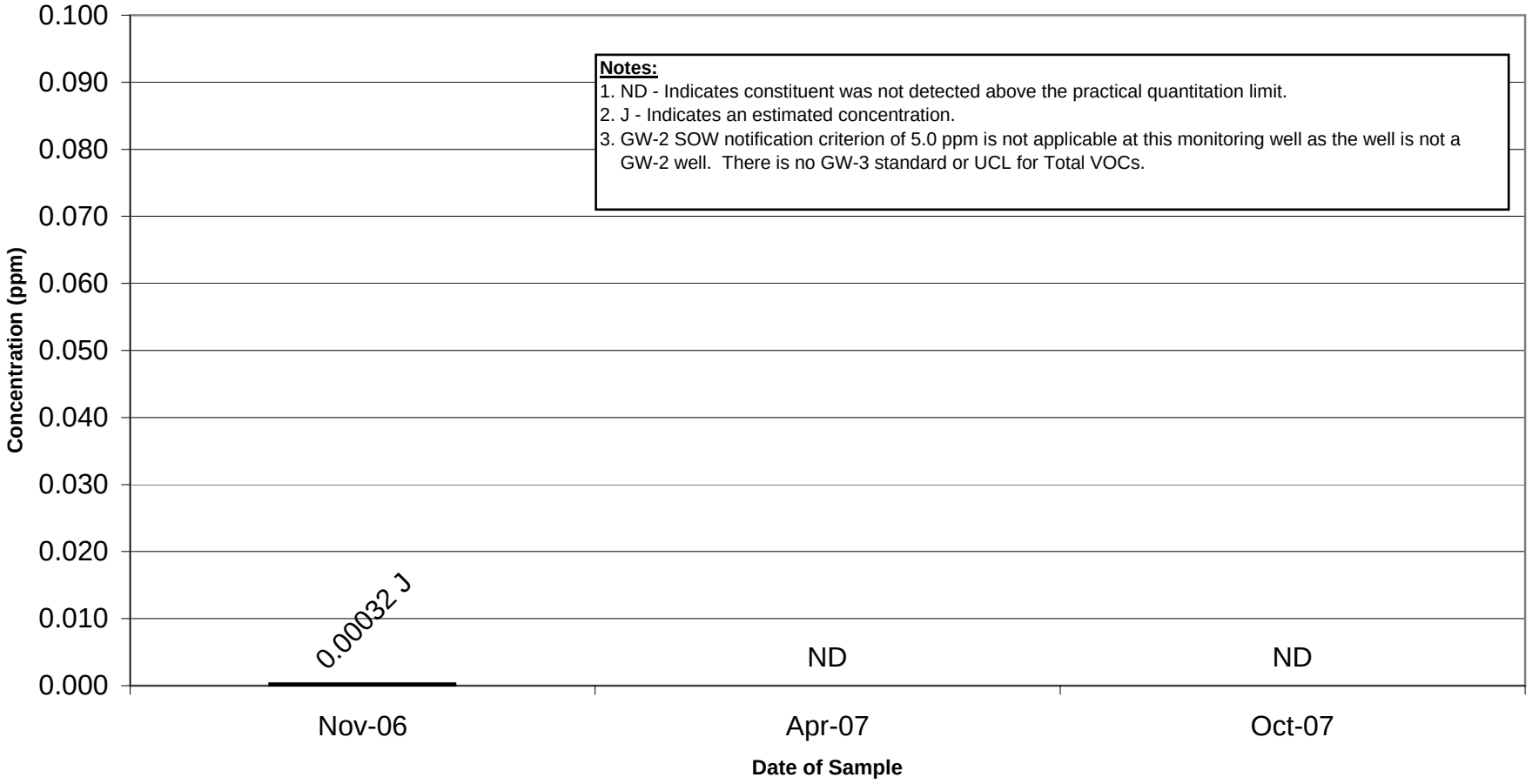
Appendix B
Well 78-6 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



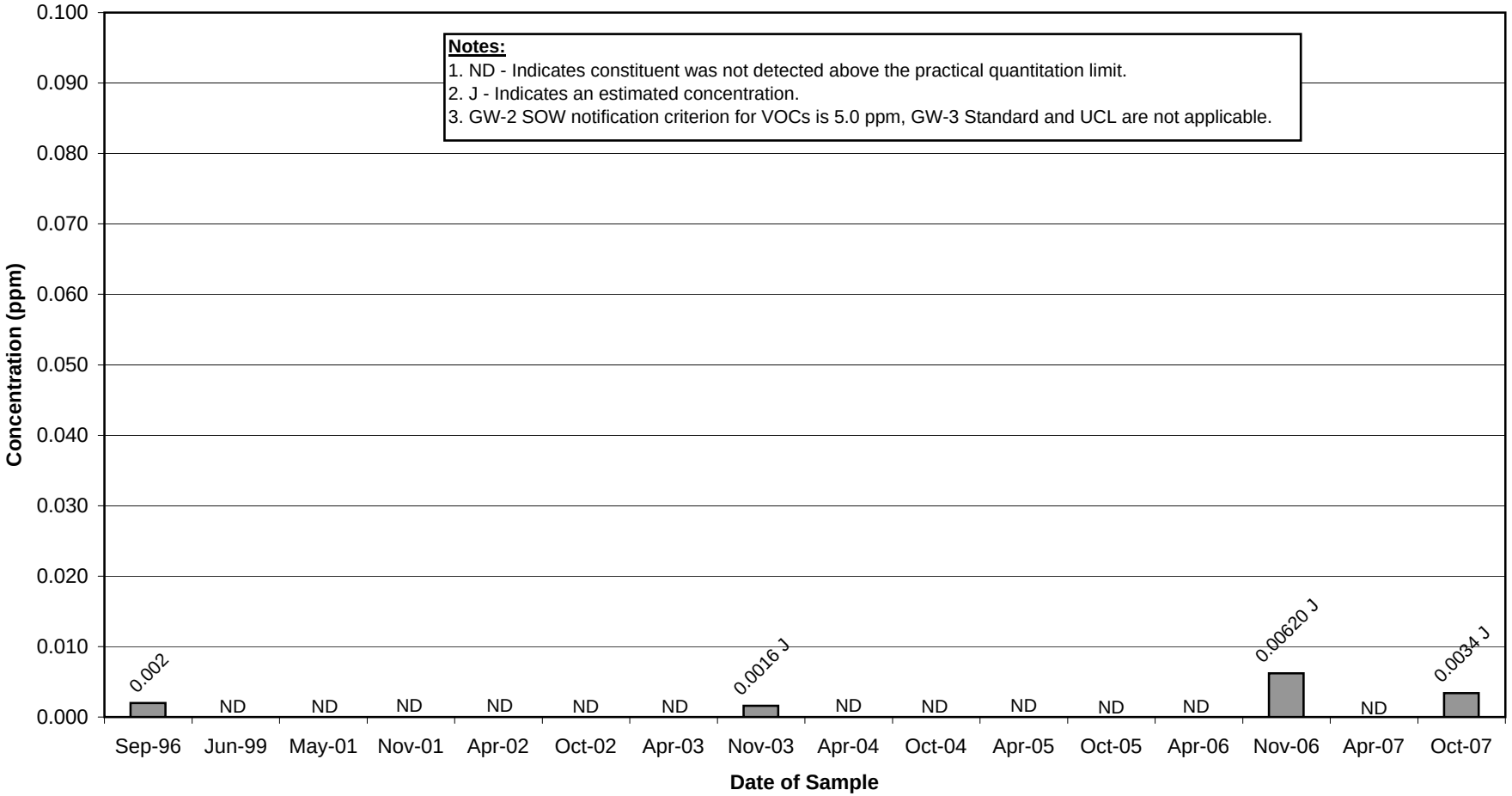
Appendix B
Well GMA4-6 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



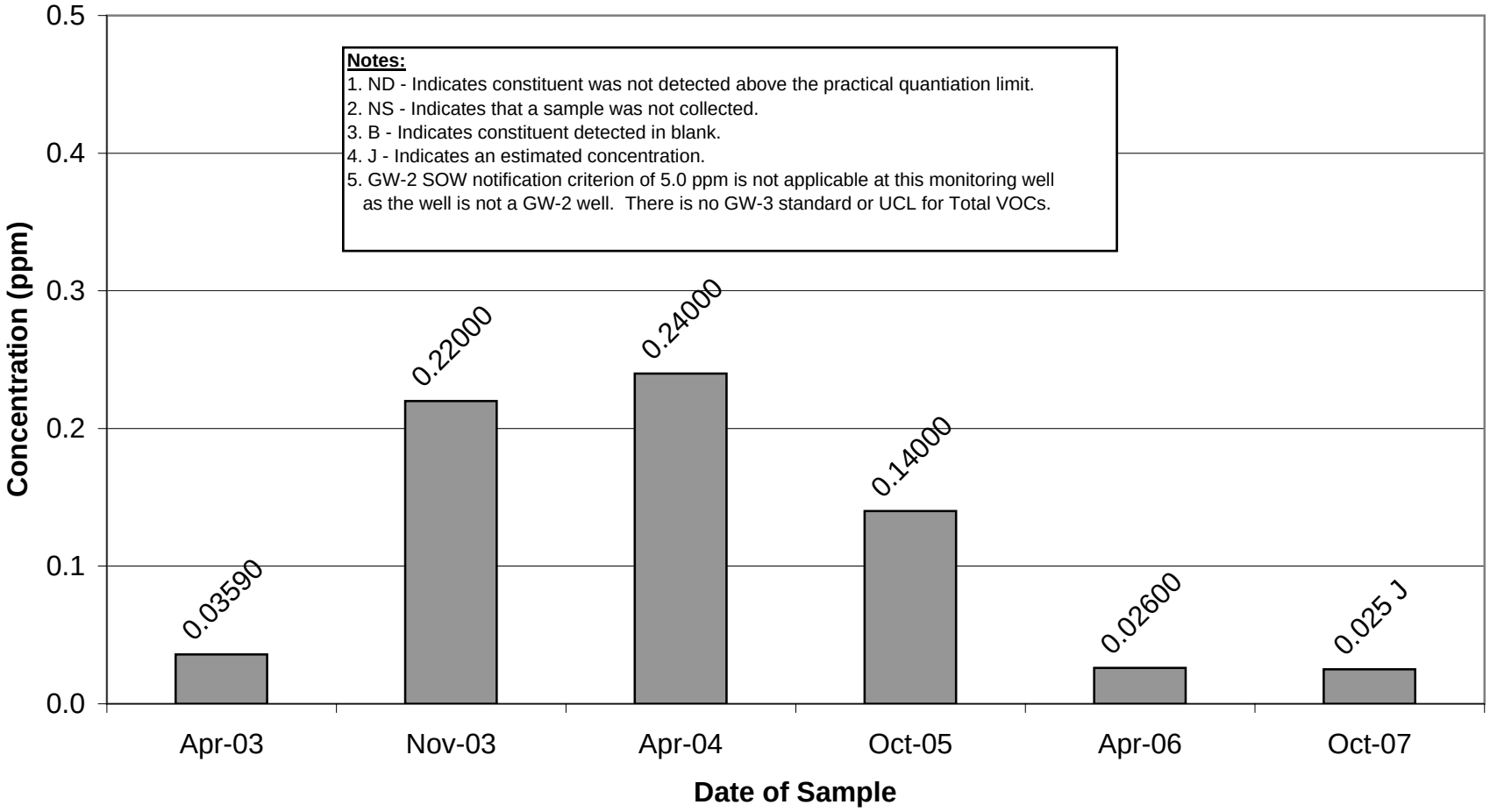
Appendix B
Well H78B-15 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



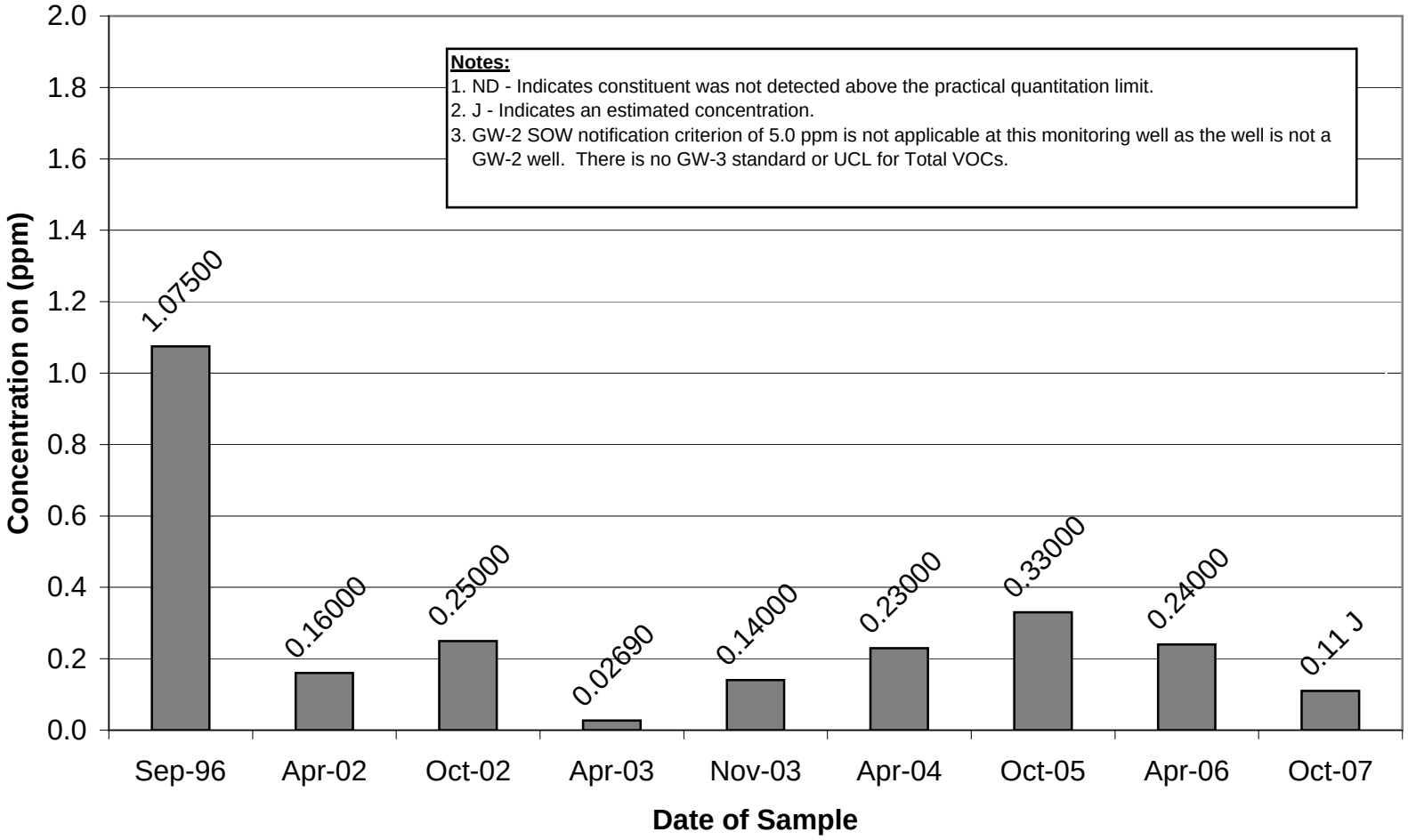
Appendix B
Well H78B-16 Historical Total VOC Concentration

Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts



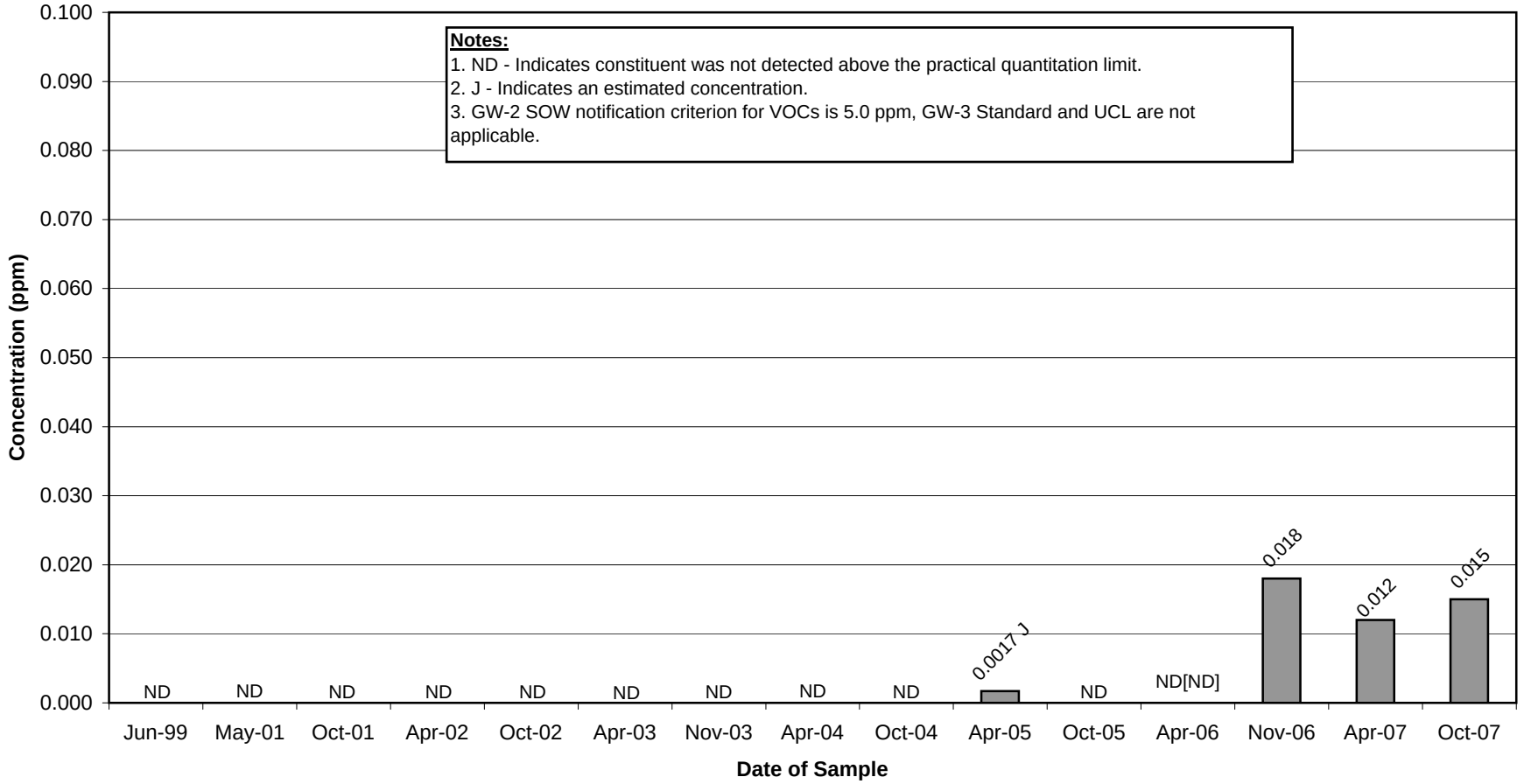
Appendix B
Well H78B-17R Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company-Pittsfield Massachusetts



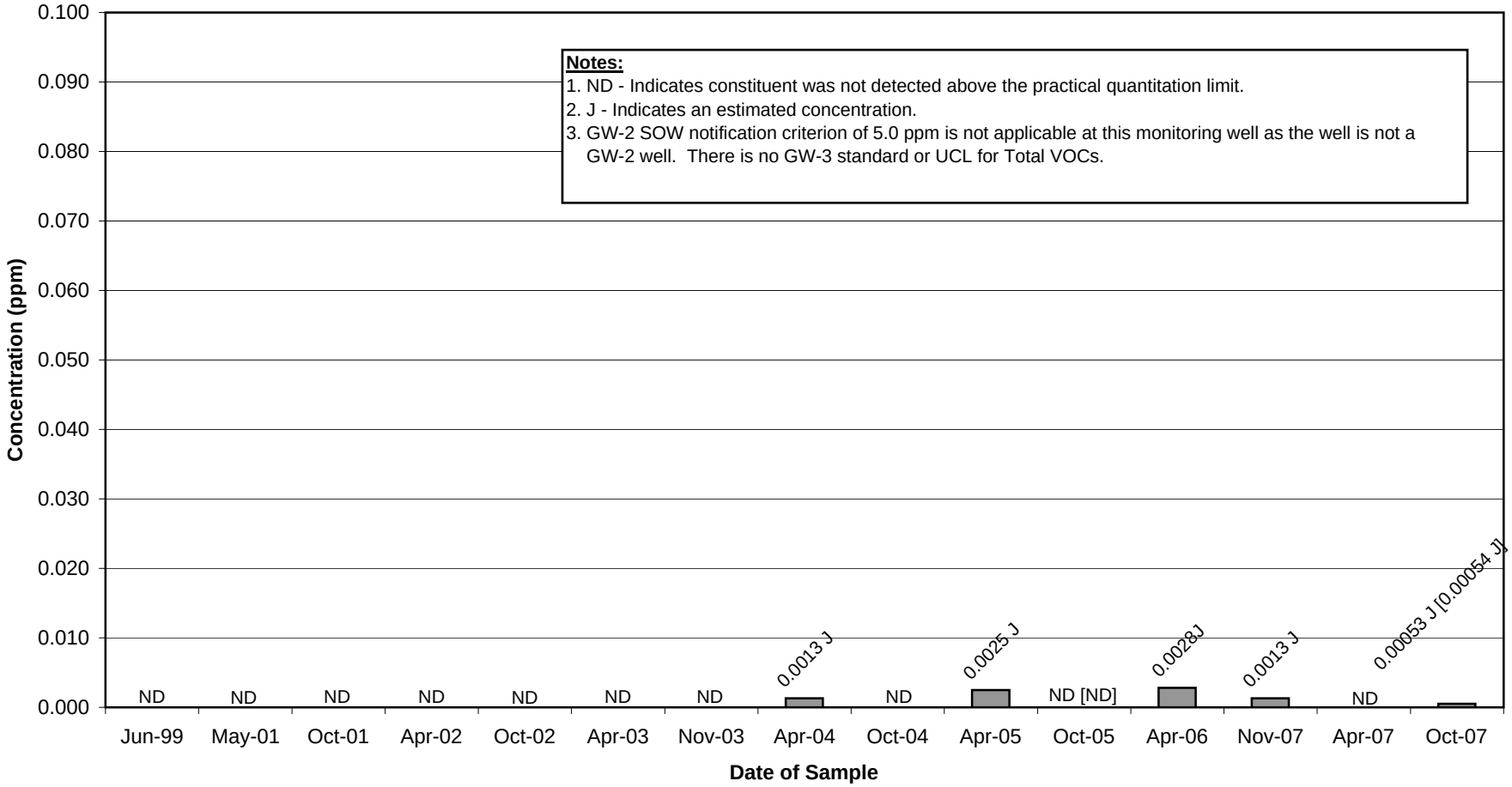
Appendix B
Well OPCA-MW-1R Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



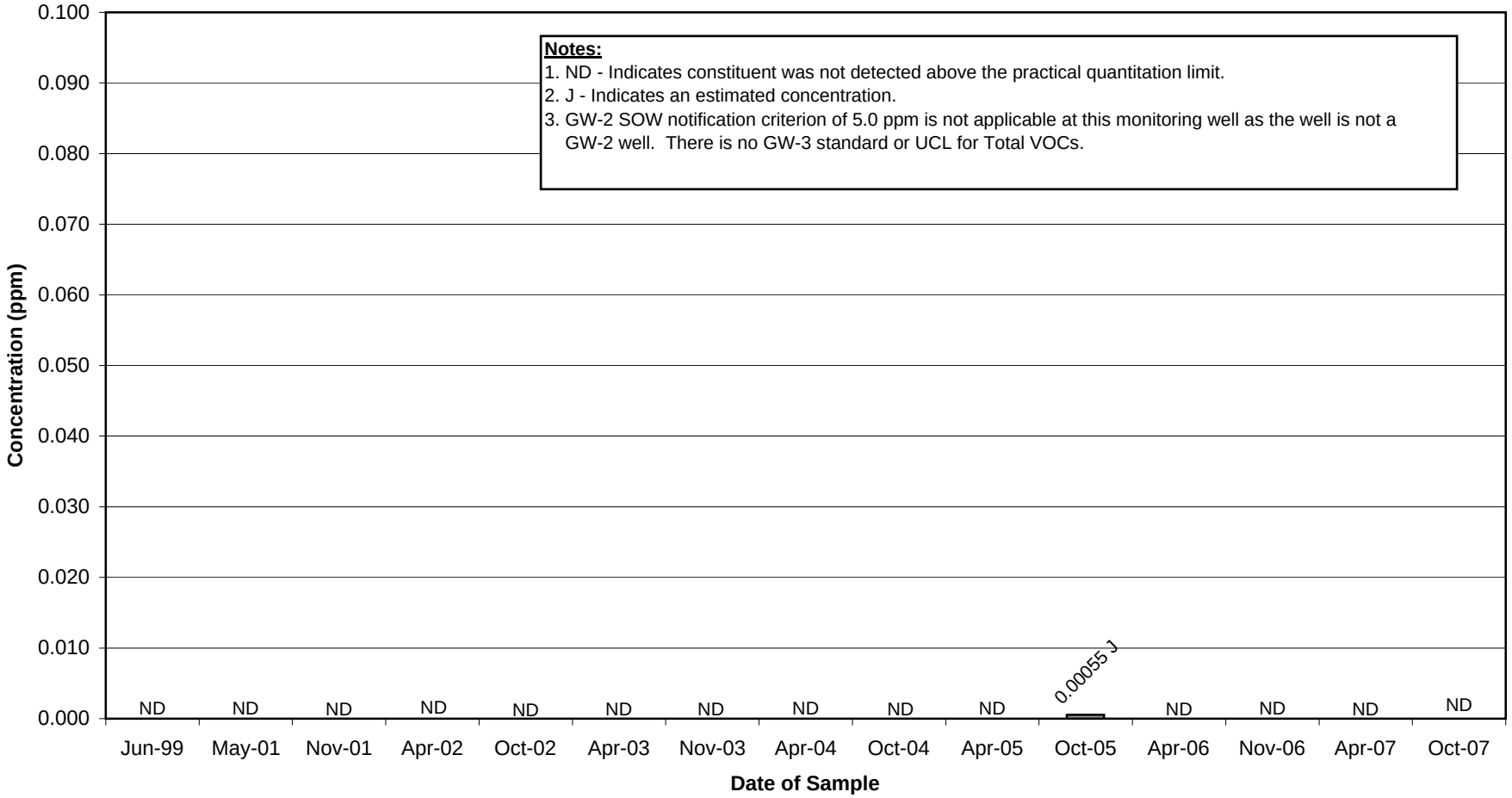
Appendix B
Well OPCA-MW-2 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



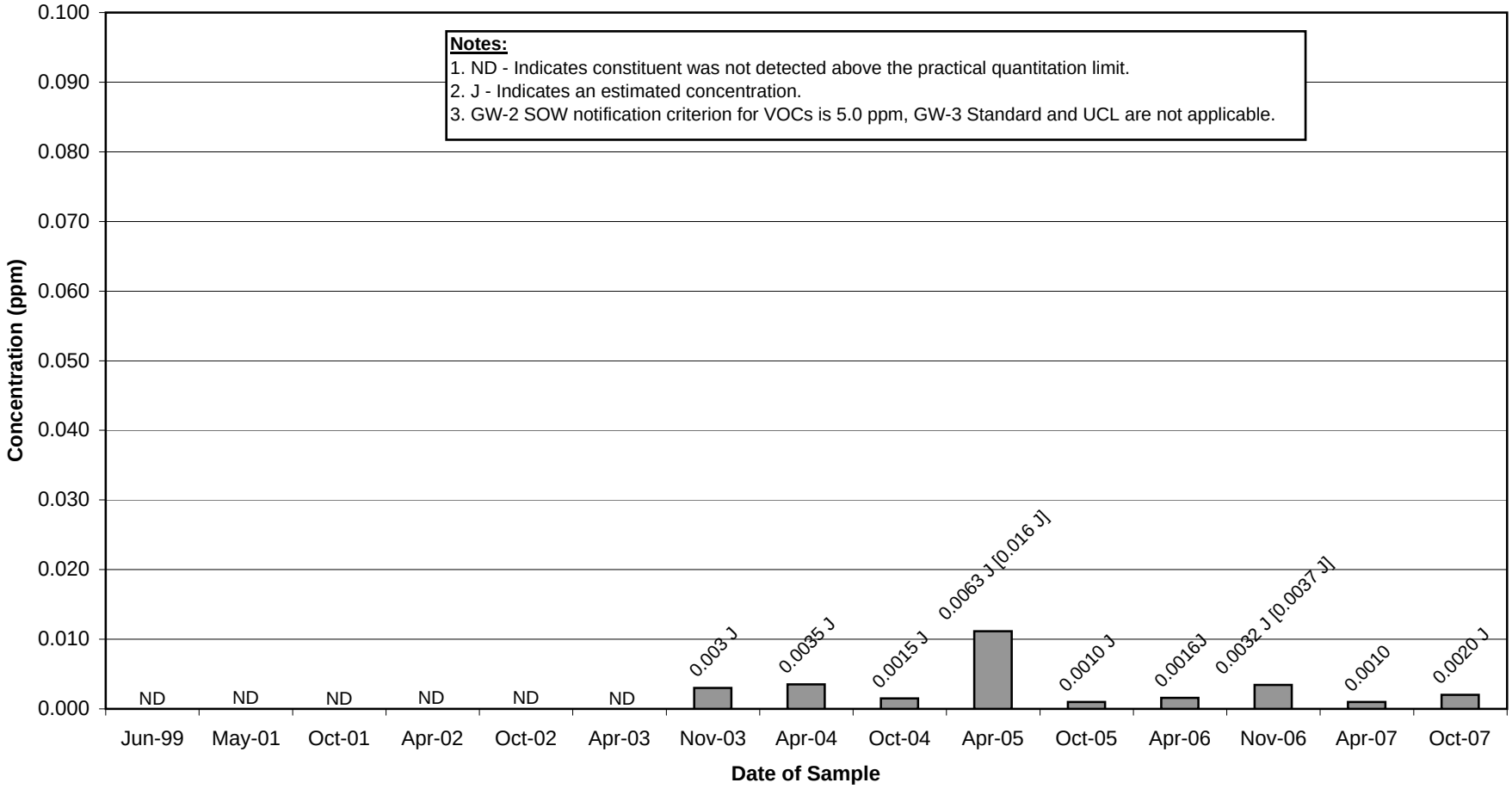
Appendix B
Well OPCA-MW-3 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



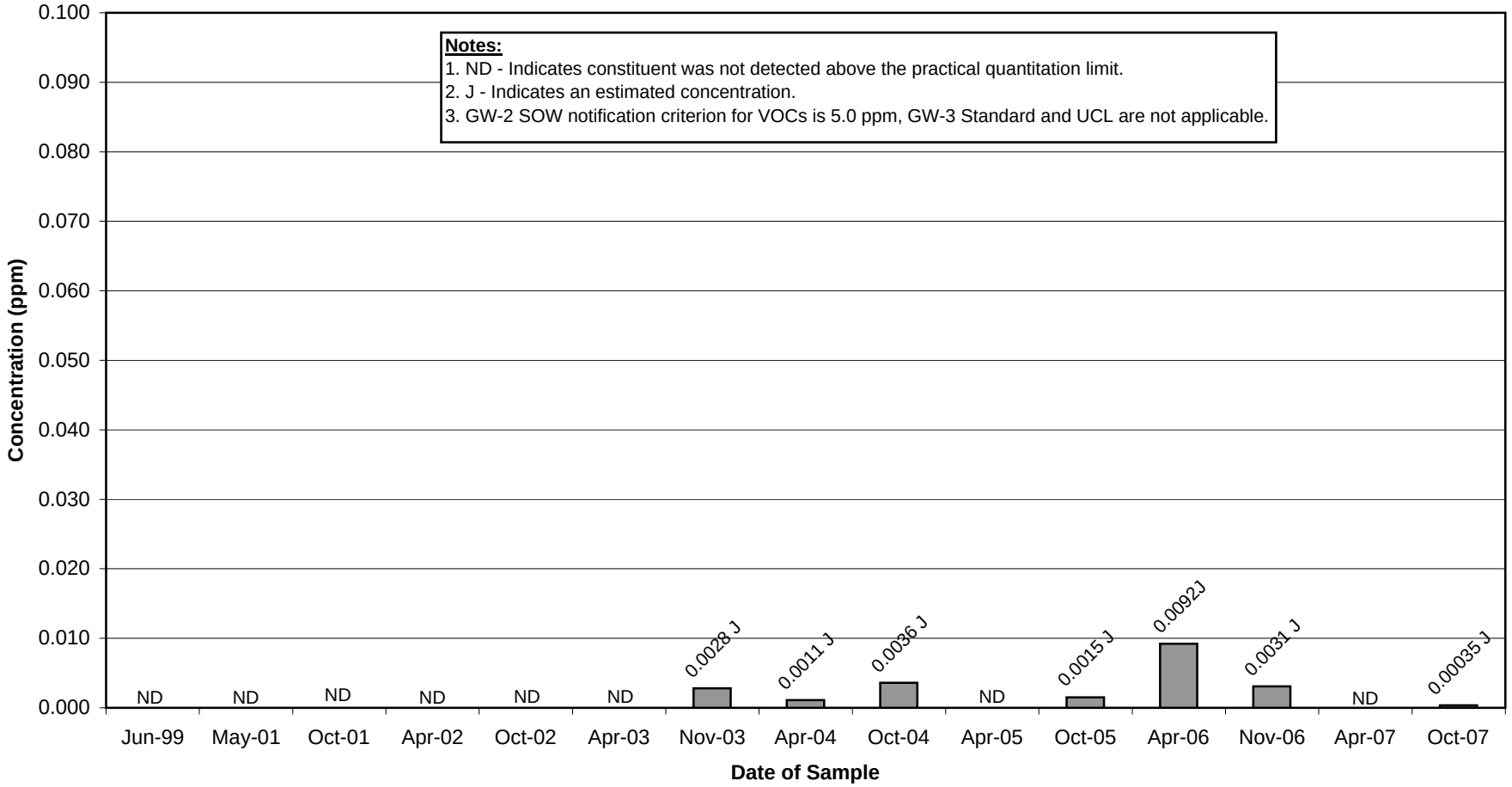
Appendix B
Well OPCA-MW-4 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



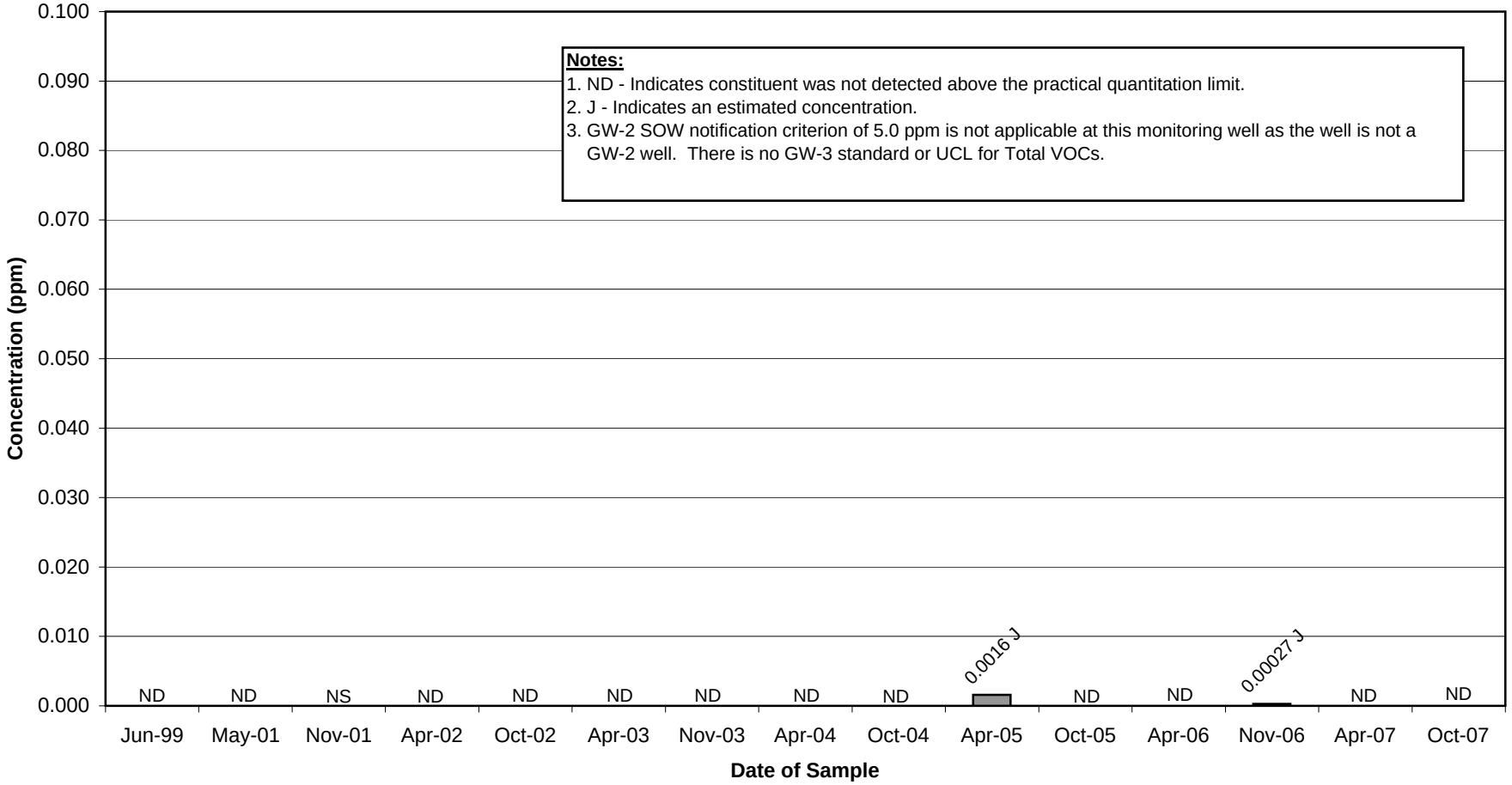
Appendix B
Well OPCA-MW-5R Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



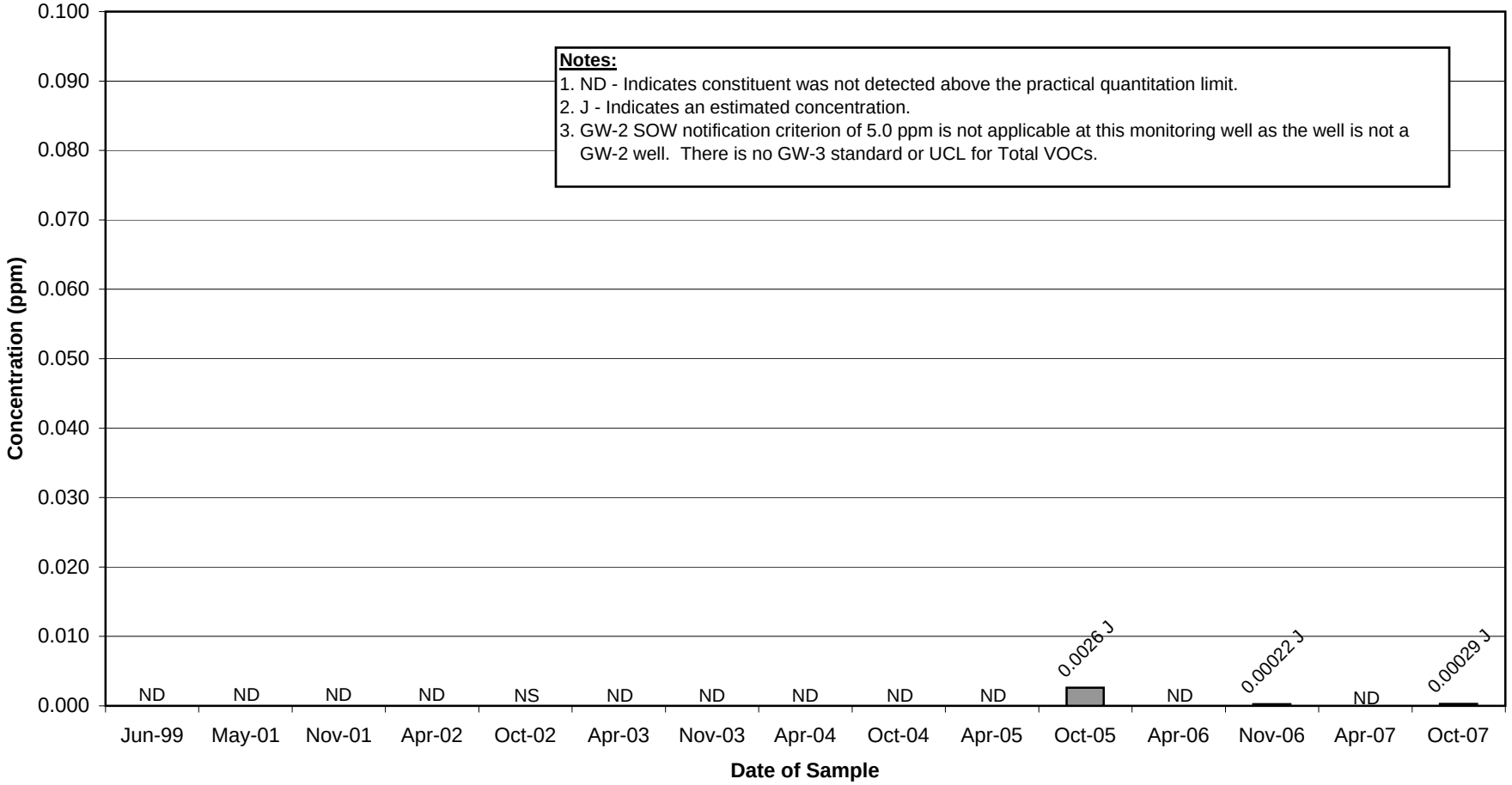
Appendix B
Well OPCA-MW-6 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



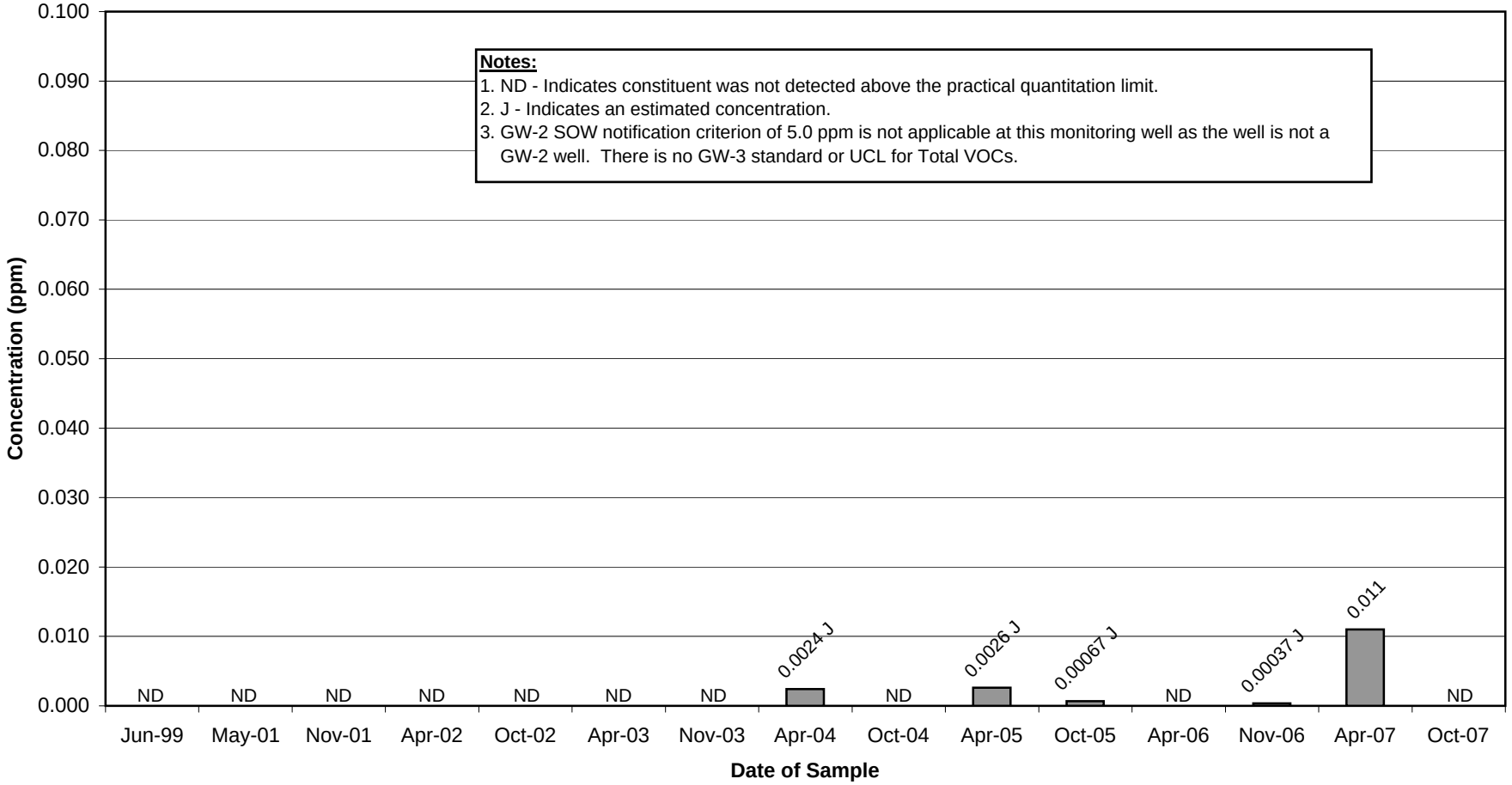
Appendix B
Well OPCA-MW-7 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



Appendix B
Well OPCA-MW-8 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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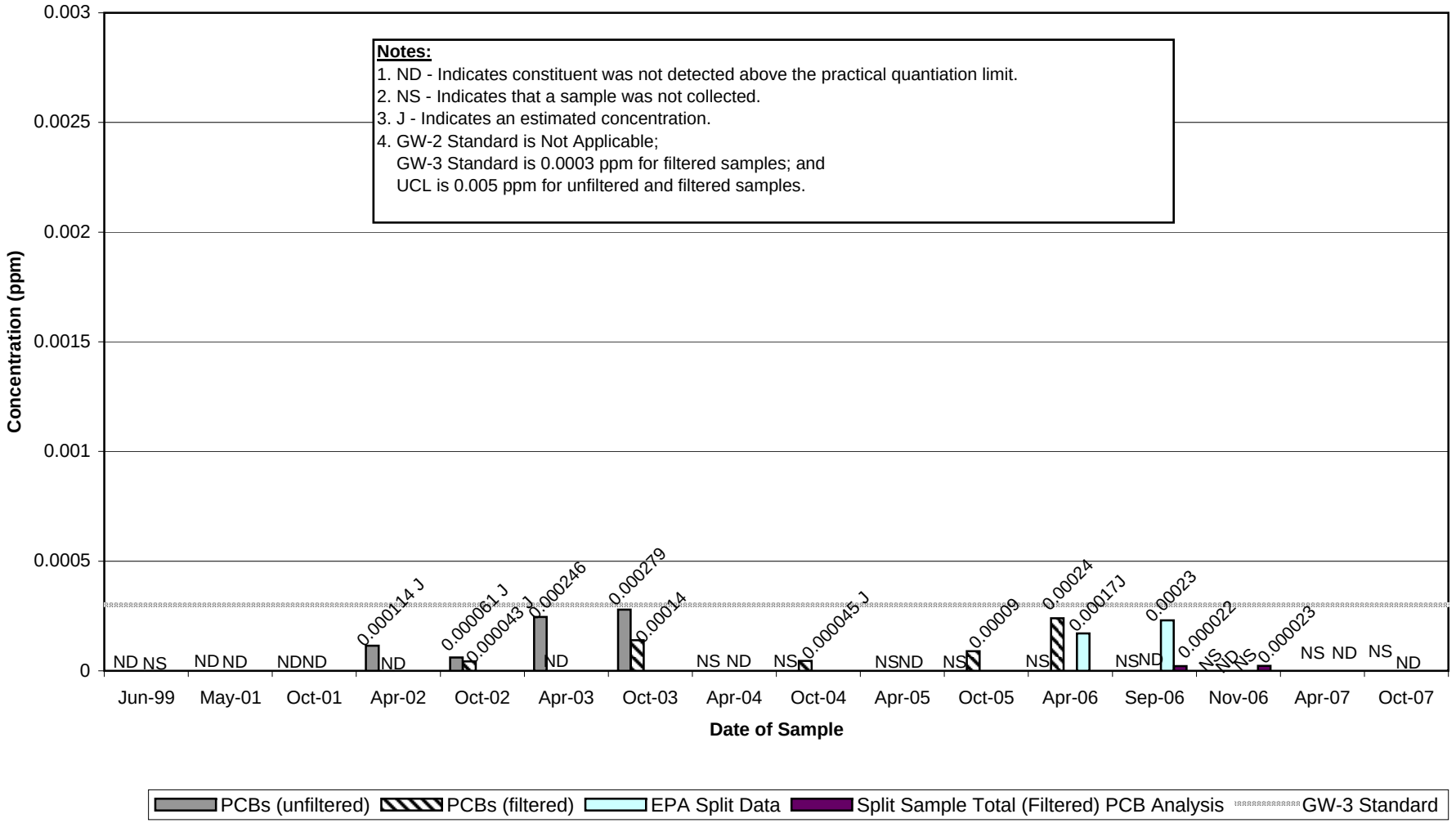
Historical Groundwater Data

Total PCB Concentrations –
Wells Sampled in Fall 2007

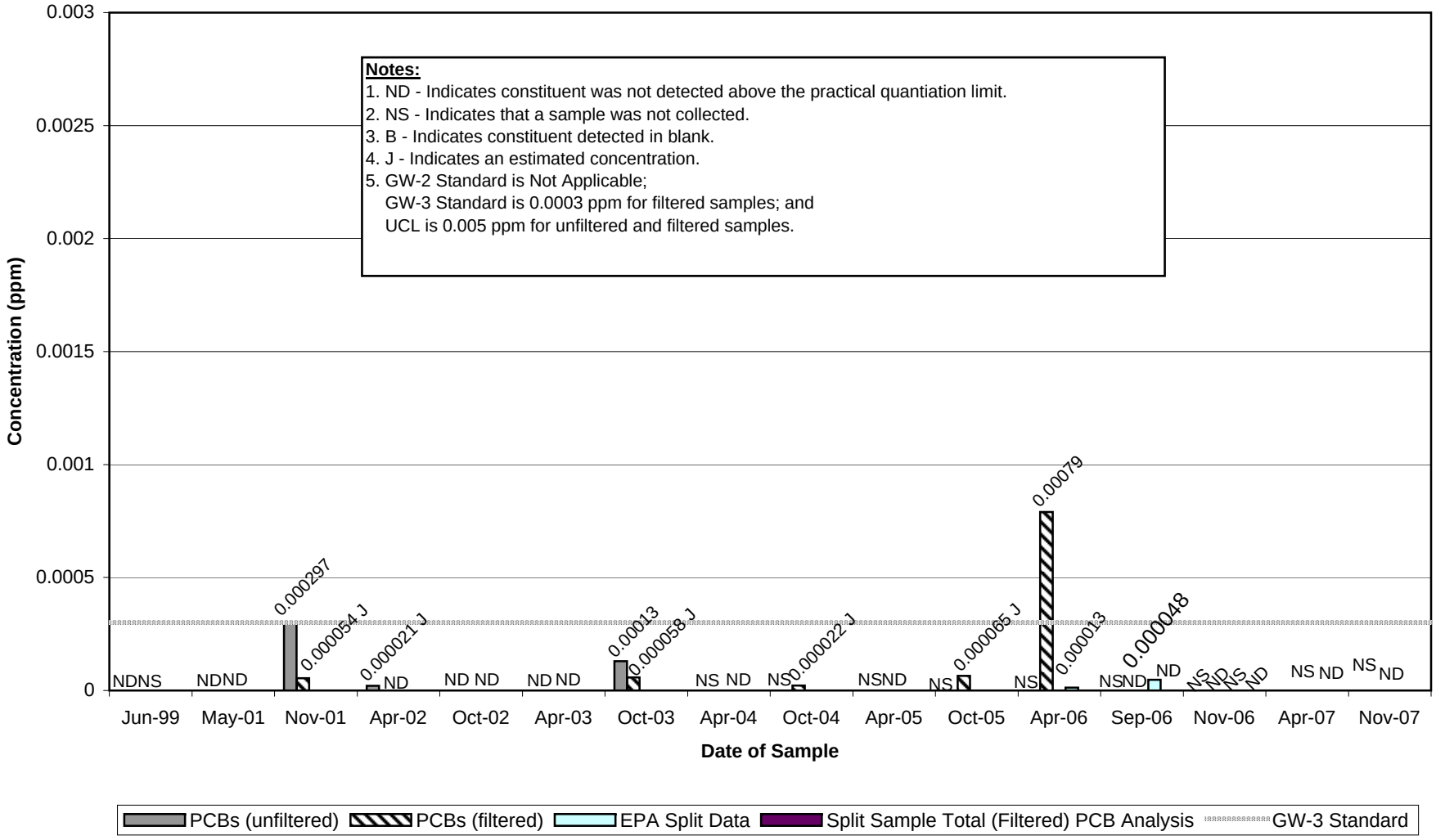
Appendix B
Well 78-1 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



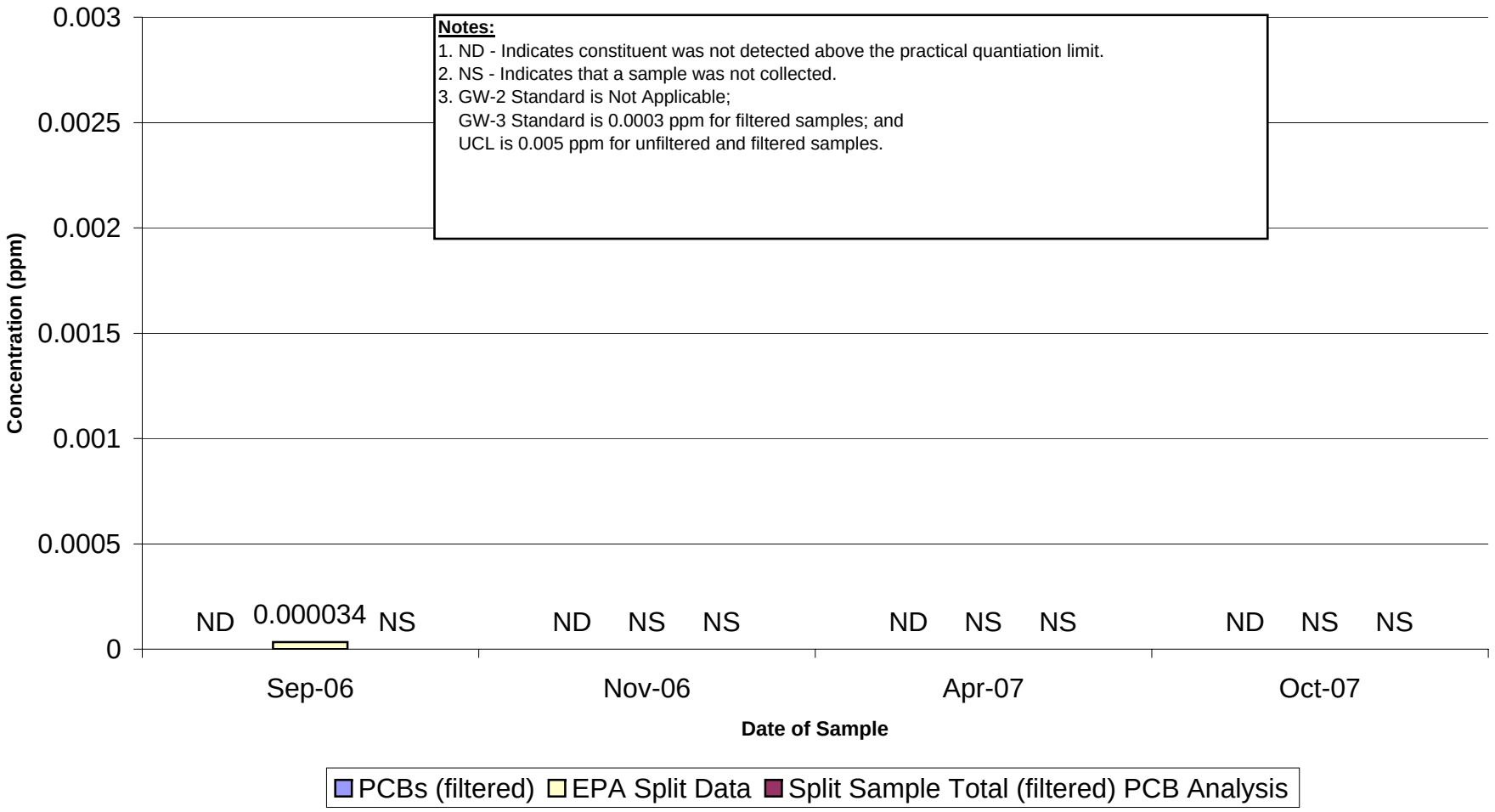
Appendix B
Well 78-6 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



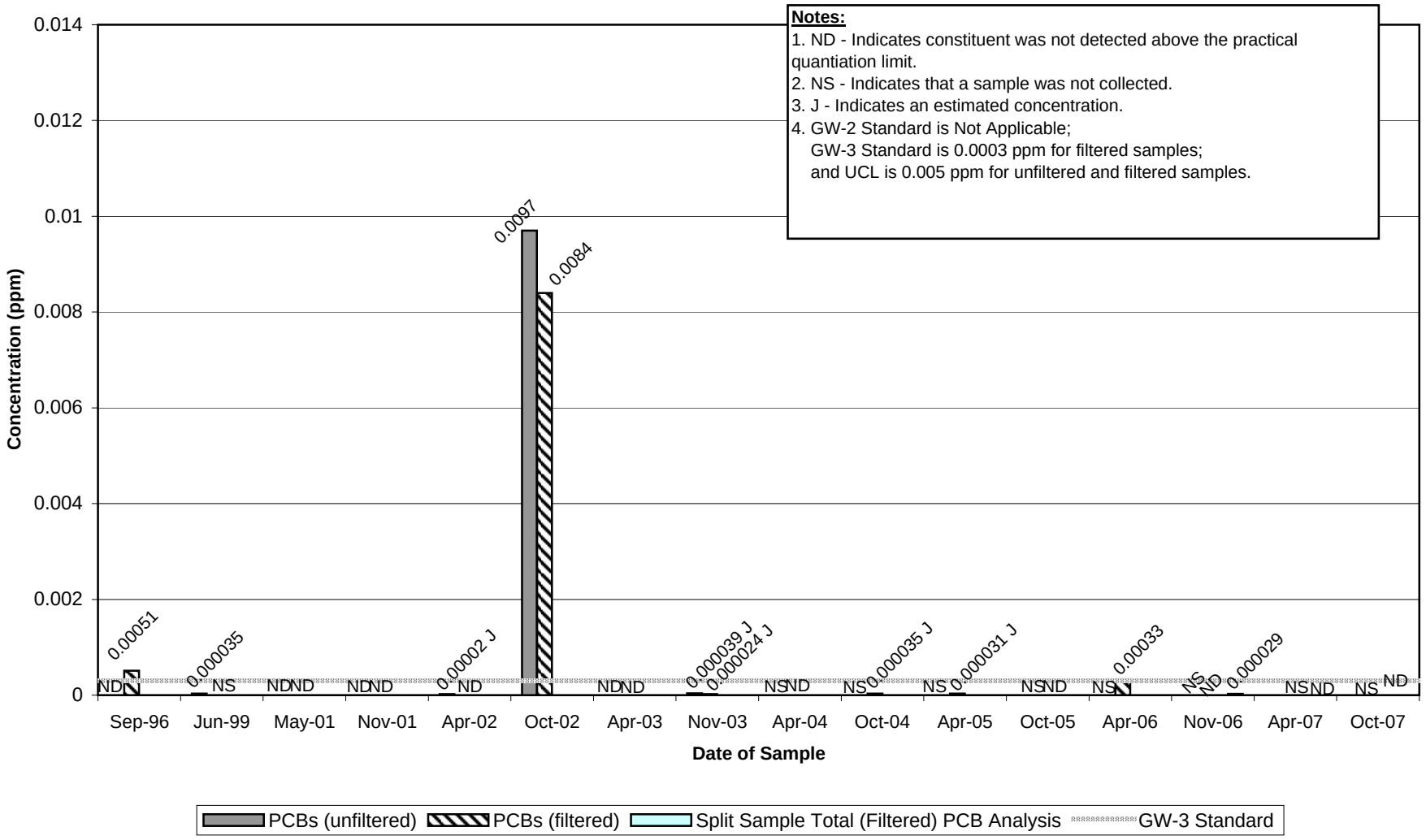
Appendix B
Well GMA4-6 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



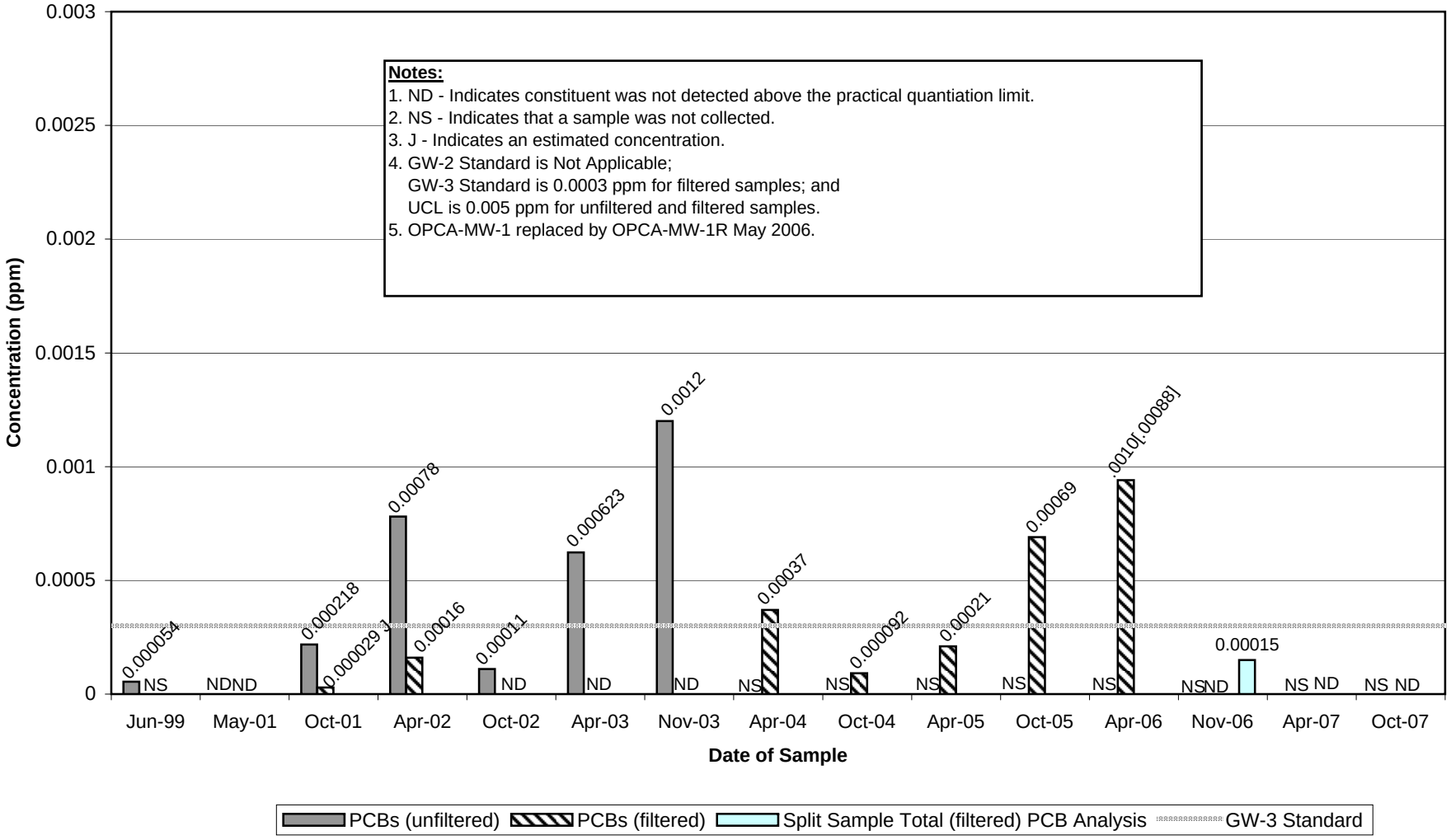
Appendix B
Well H78B-15 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



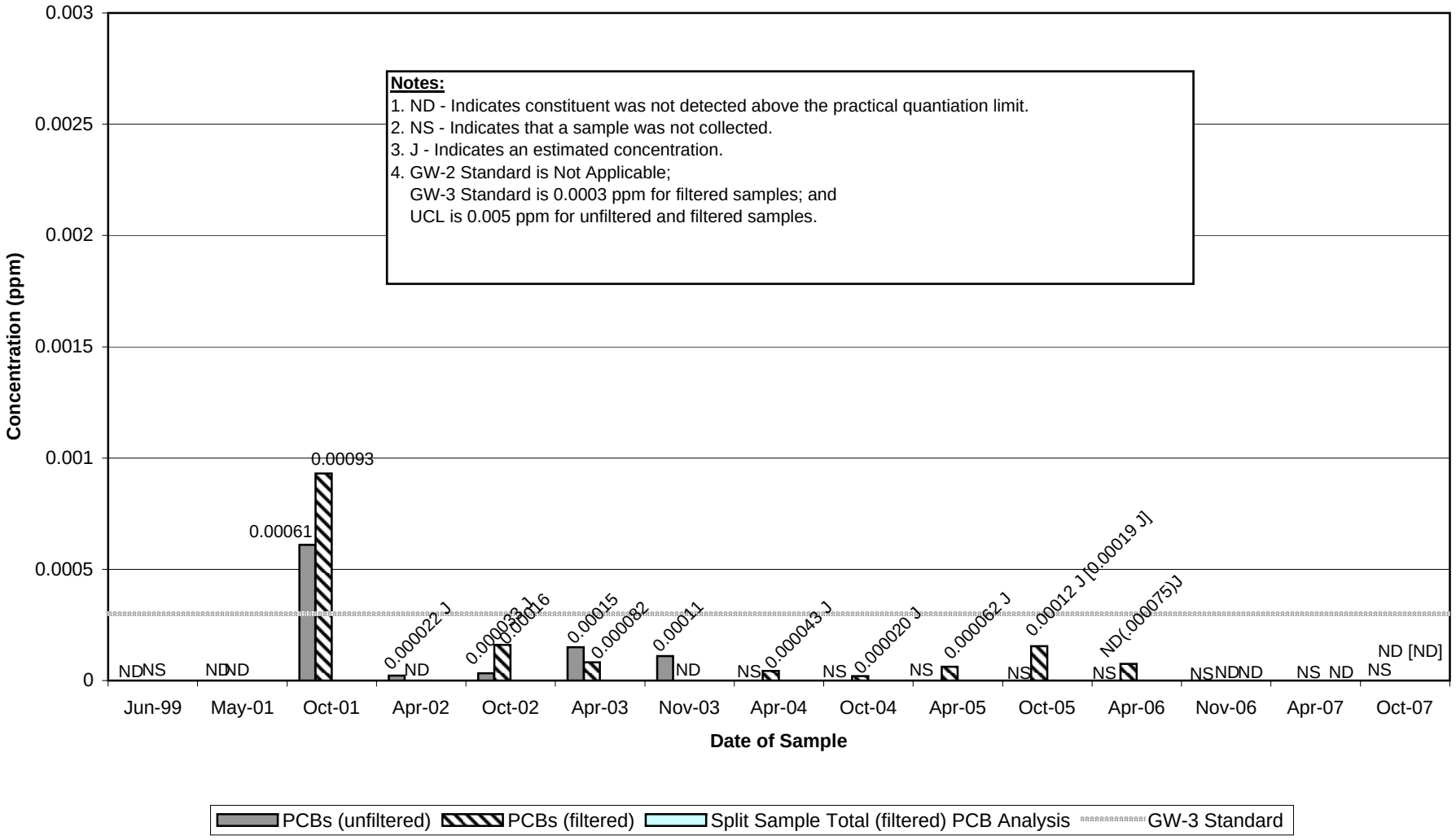
Appendix B
Well OPCA-MW-1/OPCA-MW-1R Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



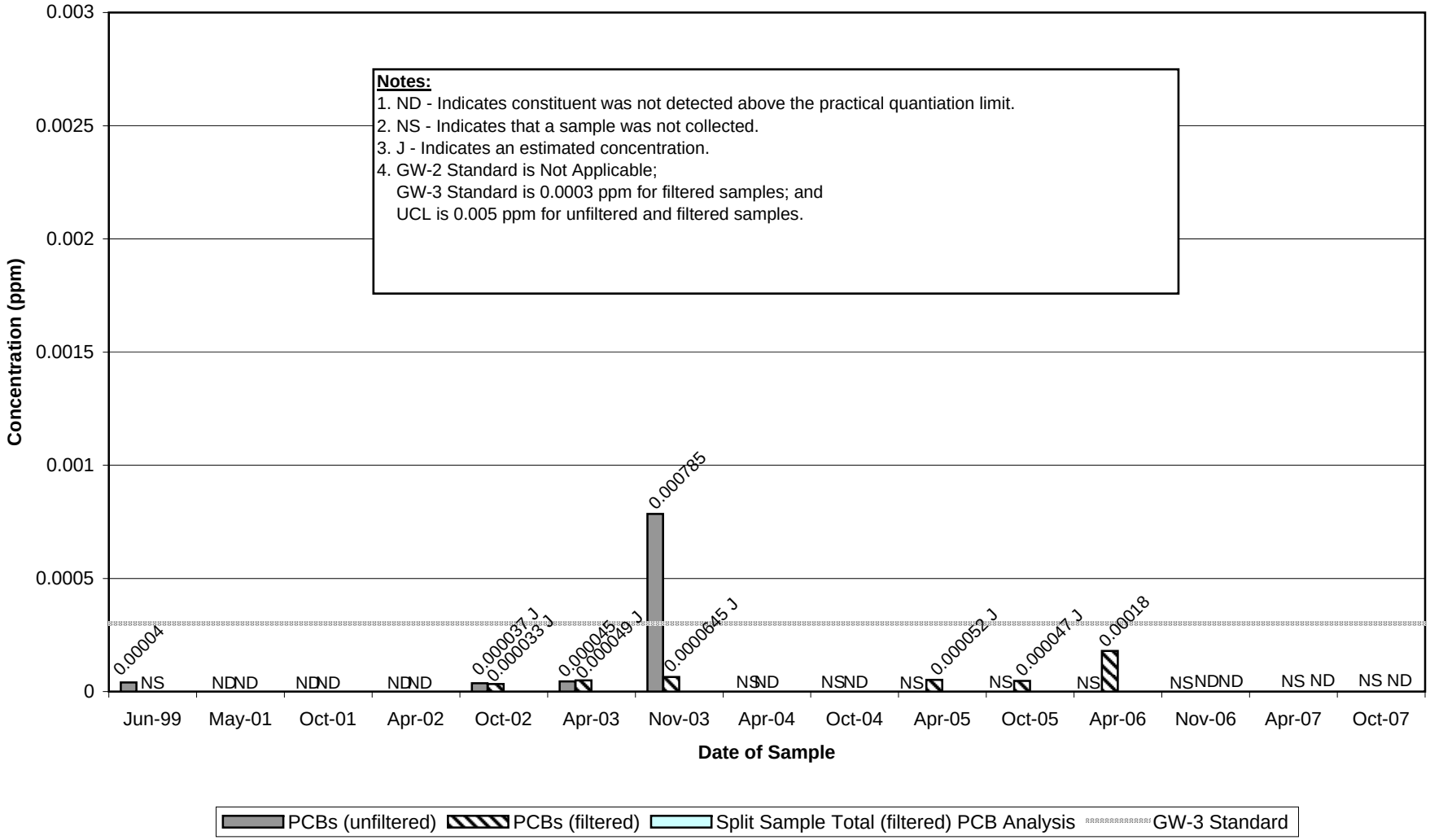
Appendix B
Well OPCA-MW-2 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



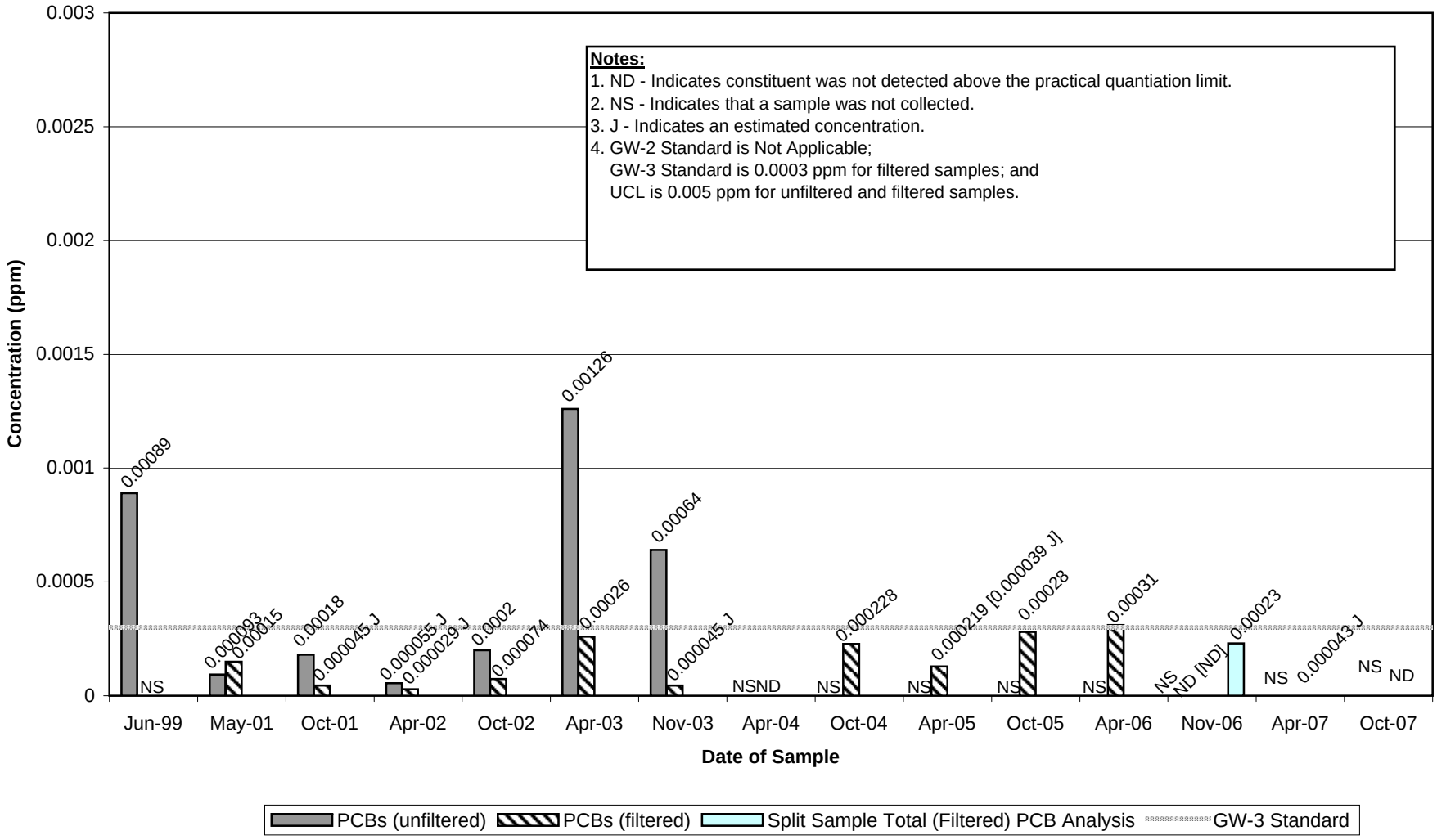
Appendix B
Well OPCA-MW-3 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



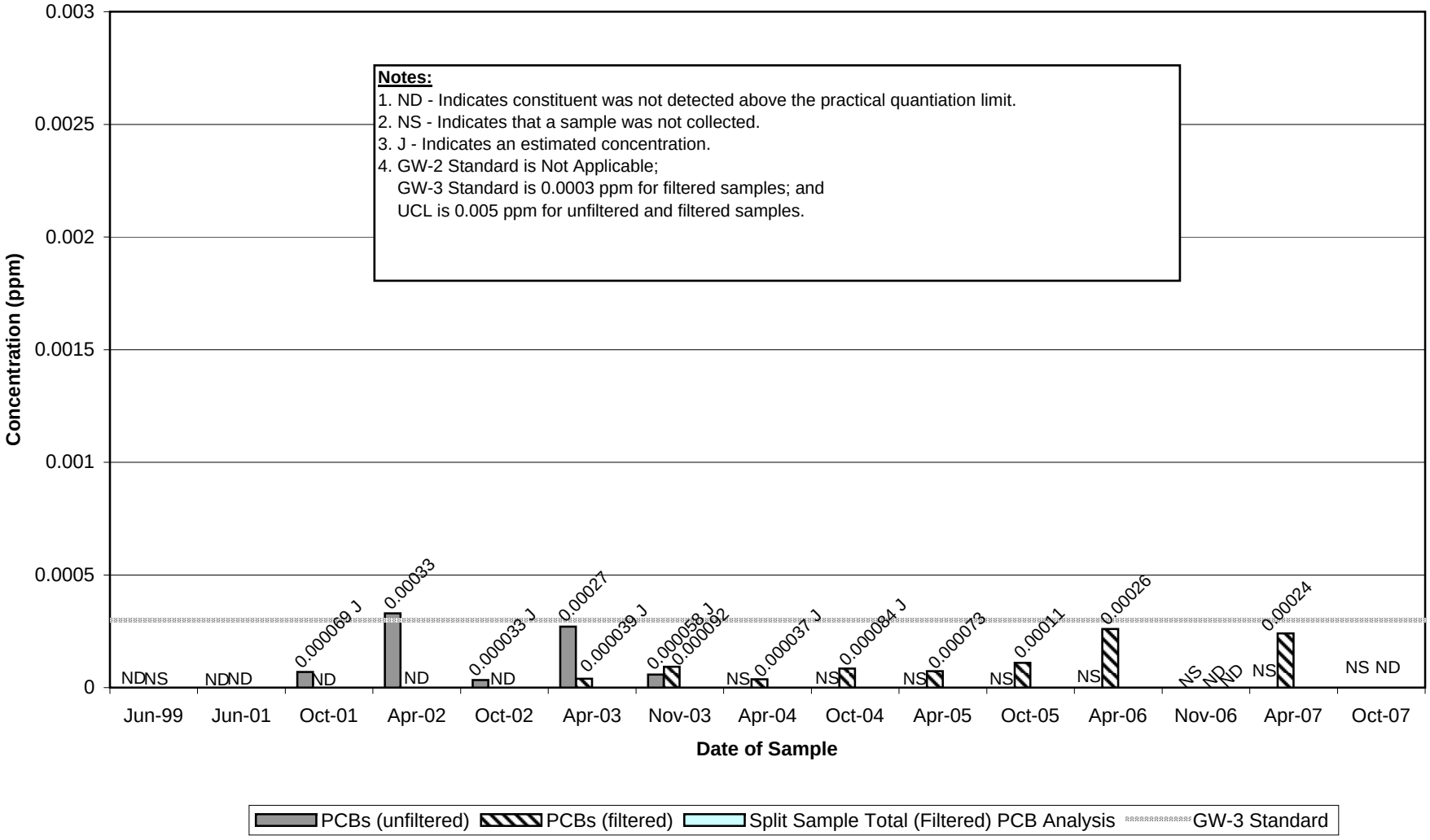
Appendix B
Well OPCA-MW-4 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



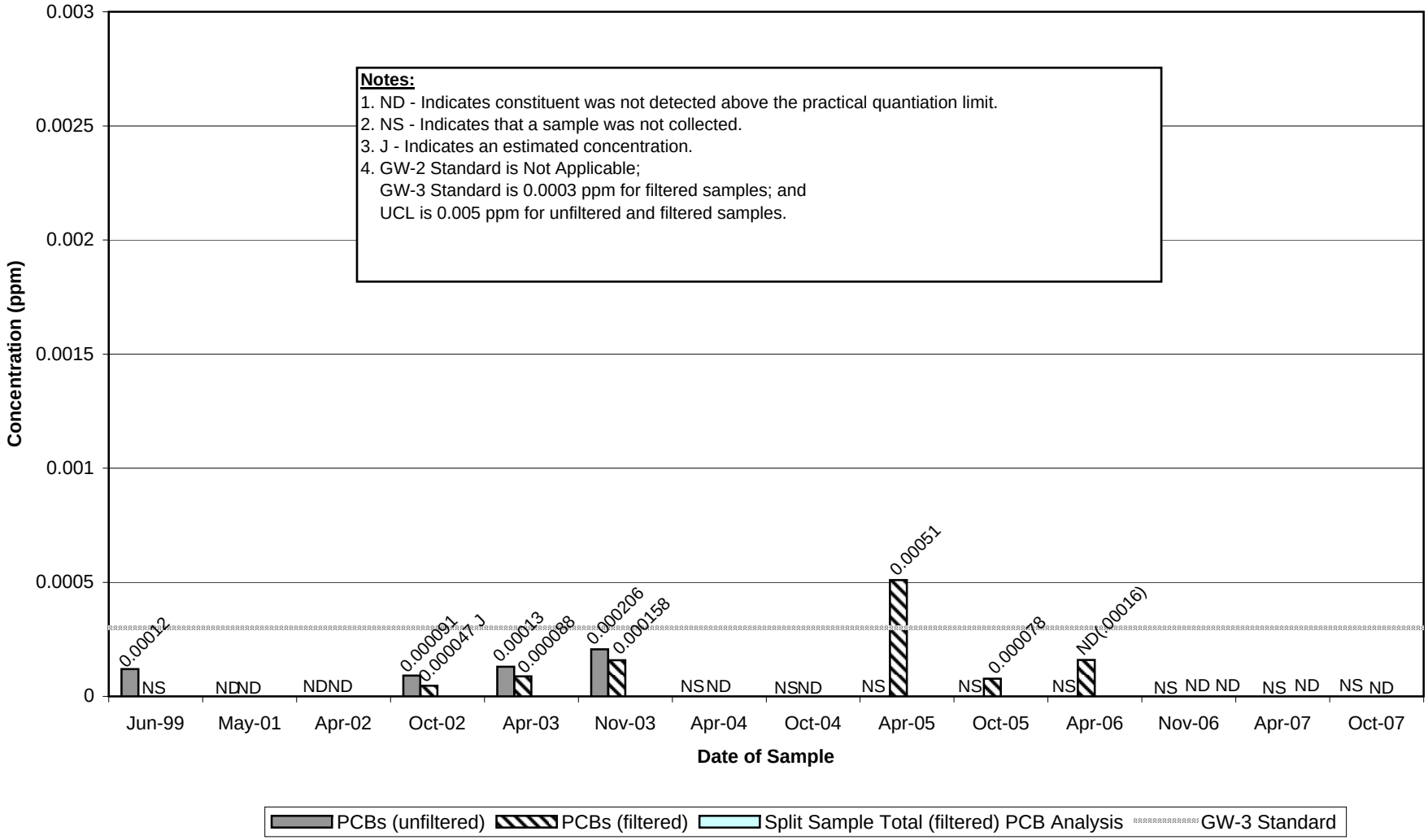
Appendix B
Well OPCA-MW-5R Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



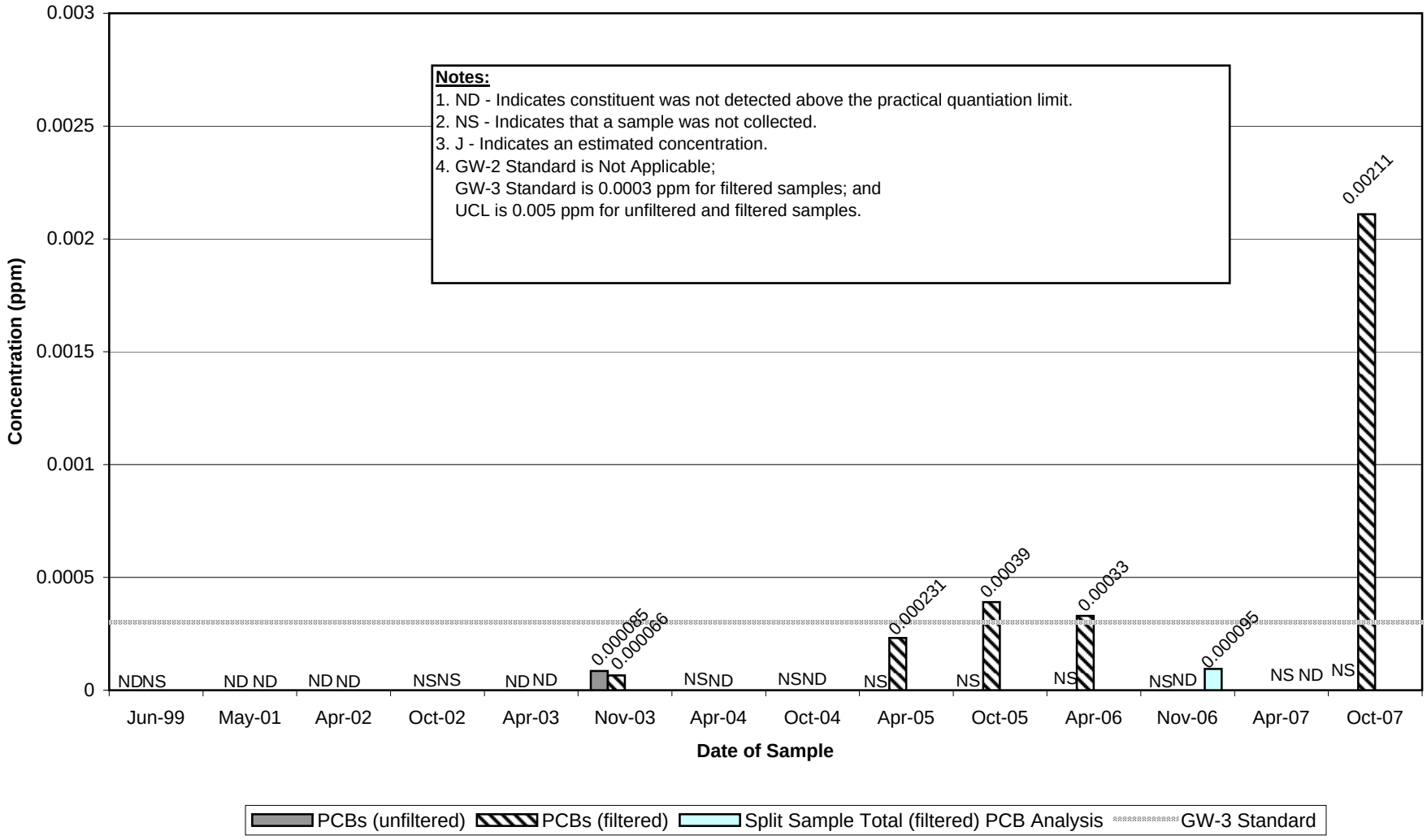
Appendix B
Well OPCA-MW-6 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



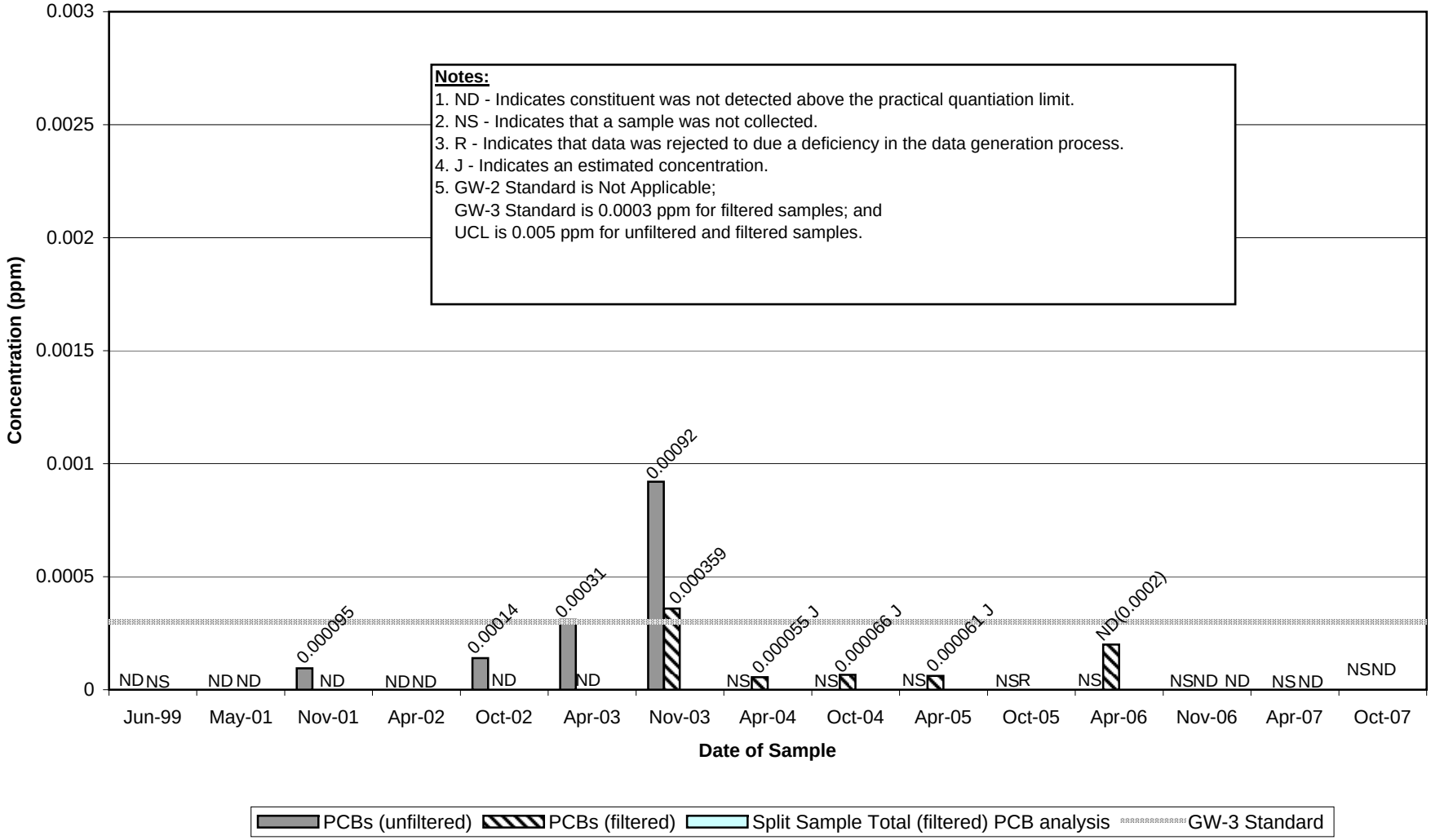
Appendix B
Well OPCA-MW-7 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



Appendix B
Well OPCA-MW-8 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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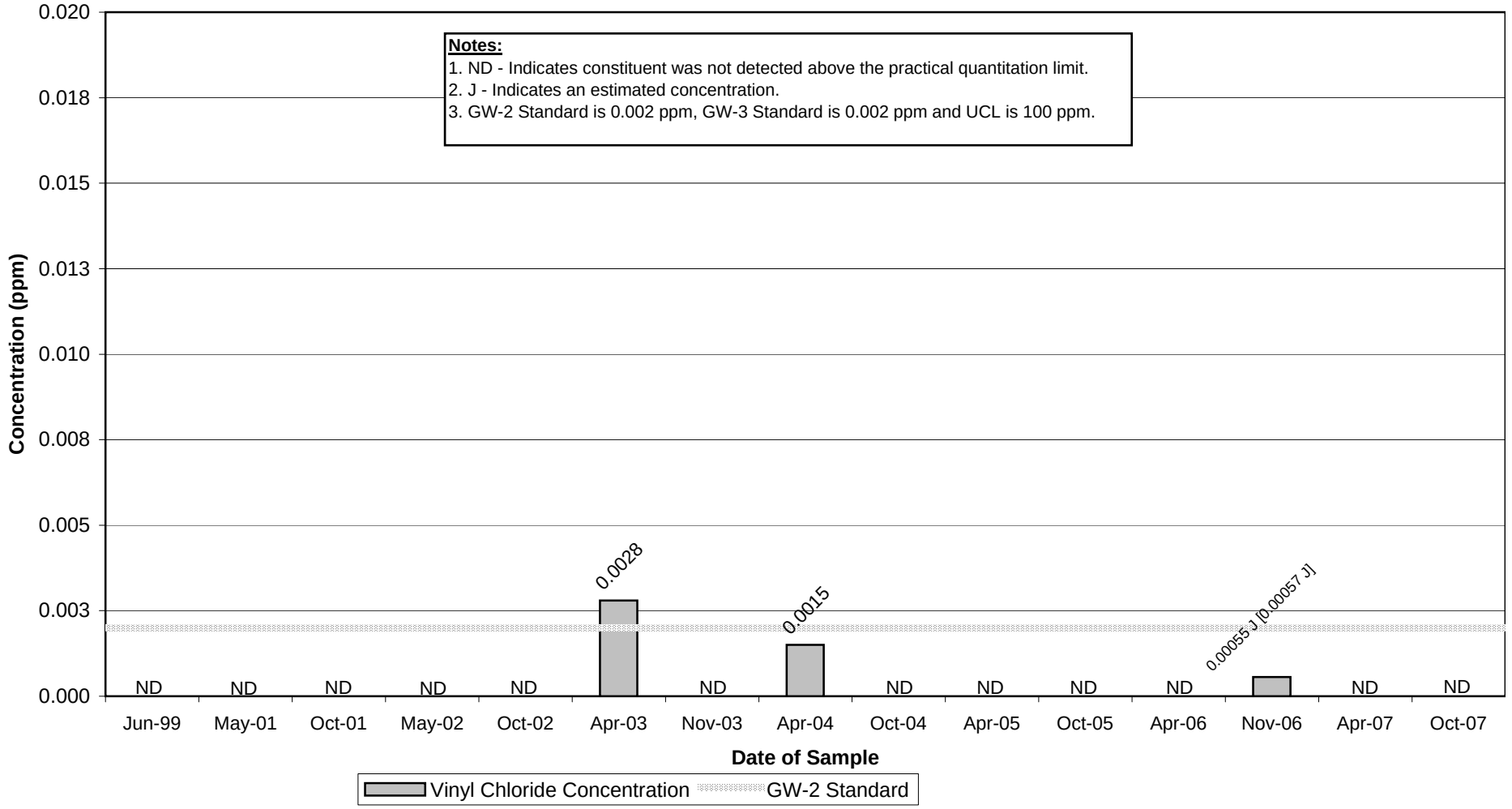
Historical Groundwater Data

Vinyl Chloride Concentrations – Selected Wells

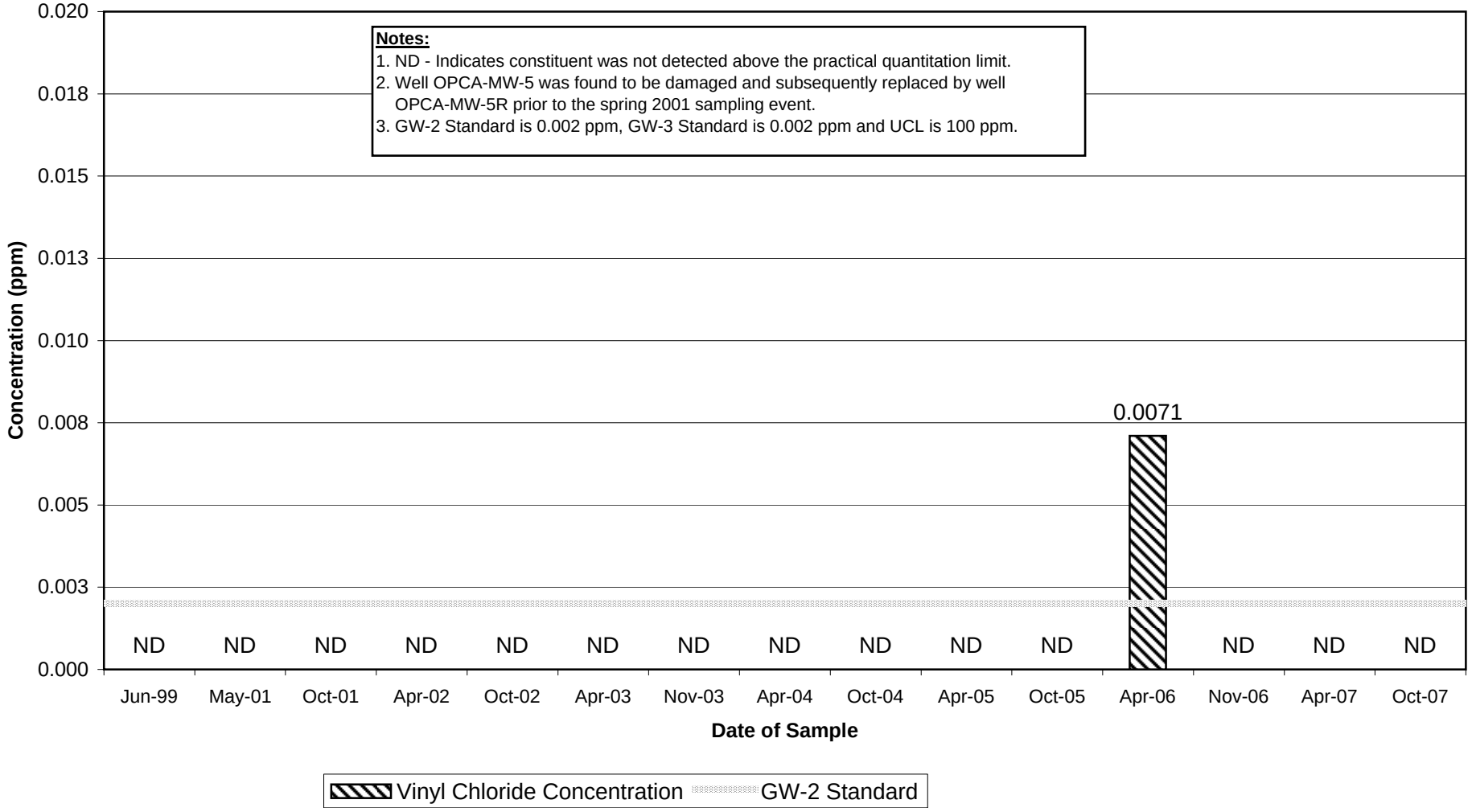
Appendix B
Well OPCA-MW-4 Historical Vinyl Chloride Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



Appendix B
Well OPCA-MW-5R Historical Vinyl Chloride Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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Appendix C

Pittsfield Generating Company
Groundwater Analytical Data

Table C-1
Summary Of Pittsfield Generating Company Groundwater Data

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

(Results in ppm)

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 6/10/96	ASW-5/W-5* 9/20/96	ASW-5 12/16/96	ASW-5 6/9/97	ASW-5 12/16/97	ASW-5 6/23/98	ASW-5 12/29/98
Volatile Organics									
1,2 - Dichloroethene (total)	None	None	--	--	--	--	--	--	--
Acetone	50	100	--	--	--	--	--	--	--
Methylene chloride	50	100	--	0.0050 JB	--	--	--	--	--
Trichloroethene	20	100	0.016	0.0150	0.014	0.0150	0.0120	0.013	0.024
PCBs - Unfiltered									
PCB-1254	None	None	--	--	--	--	--	--	--
PCB-1260	None	None	--	--	--	--	--	--	--
Total PCBs	Not Applicable	0.005	--	--	--	--	--	--	--
PCBs - Filtered									
PCB-1254	None	None	NA	--	NA	NA	NA	NA	NA
PCB-1260	None	None	NA	--	NA	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	--	NA	NA	NA	NA	NA

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 6/21/99	ASW-5 12/13/99	ASW-5 5/31/00	ASW-5 12/26/00	ASW-5 6/20/01	ASW-5 12/11/01	ASW-5 6/12/02
Volatile Organics									
1,2 - Dichloroethene (total)	None	None	0.006	--	--	--	--	--	--
Acetone	50	100	--	--	--	--	--	--	--
Methylene chloride	50	100	--	--	--	--	--	--	--
Trichloroethene	20	100	0.032	0.026	0.021	0.015	0.016	0.013	0.021
PCBs - Unfiltered									
PCB-1254	None	None	--	--	--	--	--	--	--
PCB-1260	None	None	--	--	--	--	--	--	--
Total PCBs	Not Applicable	0.005	--	--	--	--	--	--	--
PCBs - Filtered									
PCB-1254	None	None	NA	NA	NA	NA	NA	NA	NA
PCB-1260	None	None	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	NA	NA	NA	NA	NA	NA

Table C-1
Summary Of Pittsfield Generating Company Groundwater Data

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

(Results in ppm)

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 12/6/02	ASW-5 6/2/03	ASW-5 12/1/03	ASW-5 6/7/04	ASW-5 12/13/04	ASW-5 6/7/05	ASW-5 12/7/05
Volatile Organics									
1,2 - Dichloroethene (total)	None	None	--	--	--	--	--	--	--
Acetone	50	100	--	--	0.017	--	--	--	--
Methylene chloride	50	100	--	--	--	--	--	--	--
Trichloroethene	20	100	0.012	0.022	0.016	0.019	0.017	0.018	0.018
PCBs - Unfiltered									
PCB-1254	None	None	--	--	--	--	--	--	--
PCB-1260	None	None	--	--	--	--	--	--	--
Total PCBs	Not Applicable	0.005	--	--	--	--	--	--	--
PCBs - Filtered									
PCB-1254	None	None	NA	NA	NA	NA	NA	NA	NA
PCB-1260	None	None	NA	NA	NA	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	NA	NA	NA	NA	NA	NA

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 6/6/06	ASW-5 12/12/06	ASW-5 6/4/07	ASW-5 12/4/07
Volatile Organics						
1,2 - Dichloroethene (total)	None	None	--	--	--	--
Acetone	50	100	--	--	--	--
Methylene chloride	50	100	--	--	--	--
Trichloroethene	20	100	0.014	0.012	0.0086	0.014
PCBs - Unfiltered						
PCB-1254	None	None	--	--	--	--
PCB-1260	None	None	--	--	--	--
Total PCBs	Not Applicable	0.005	--	--	--	--
PCBs - Filtered						
PCB-1254	None	None	NA	NA	NA	NA
PCB-1260	None	None	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	NA	NA	NA

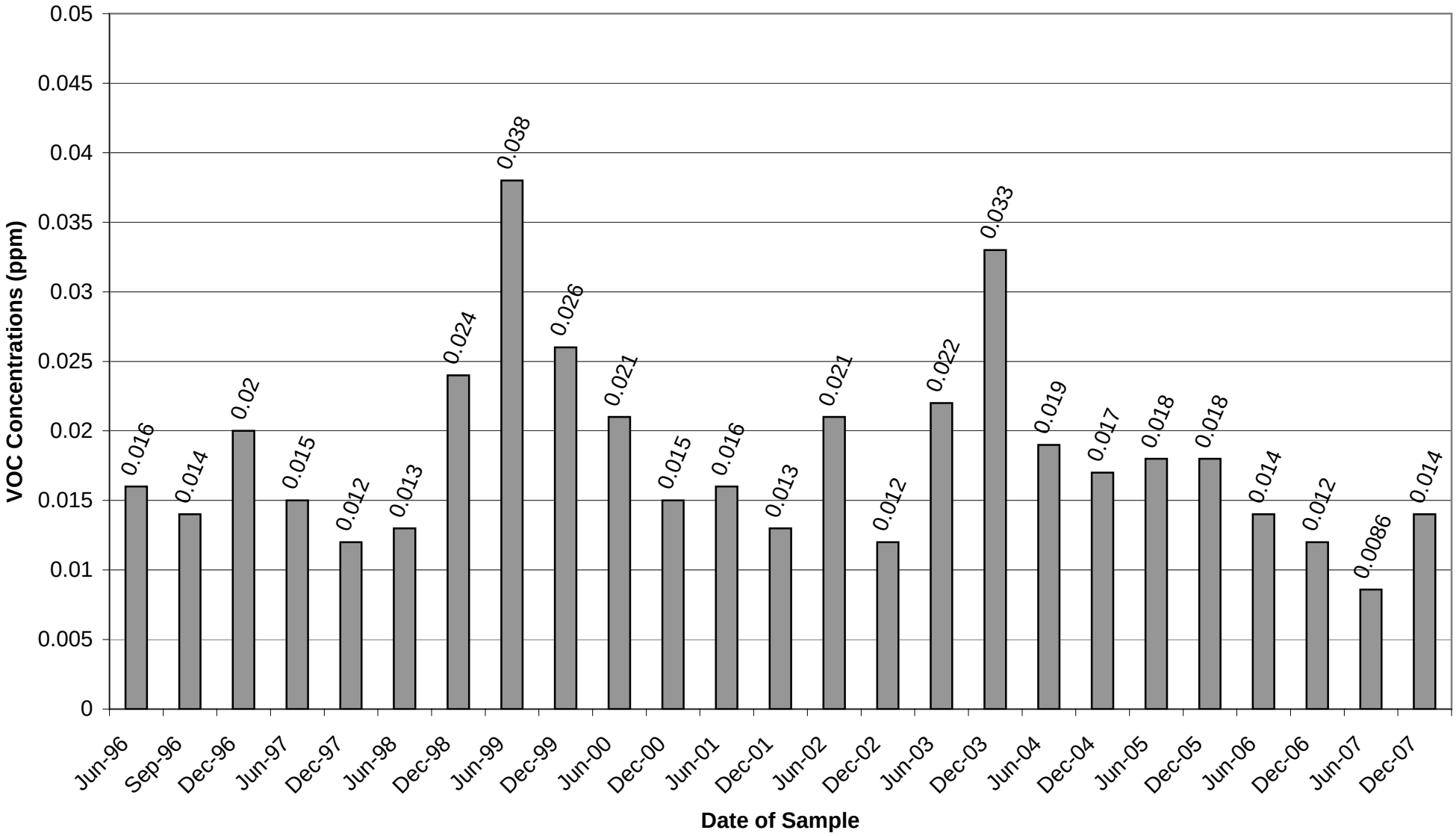
Notes:

1. Only parameters detected in at least one sample are shown.
2. -- Compound was not detected.
3. J - Indicates an estimated value less than the practical quantitation limit (PQL).
4. B - Analyte was also detected in the associated blank.
5. * - Sample was collected by Blasland, Bouck, & Lee, Inc.
6. NA - Not Analyzed

Appendix C

Summary of Pittsfield Generating Company Groundwater Data
Well ASW-5 Historical Total VOC Concentrations

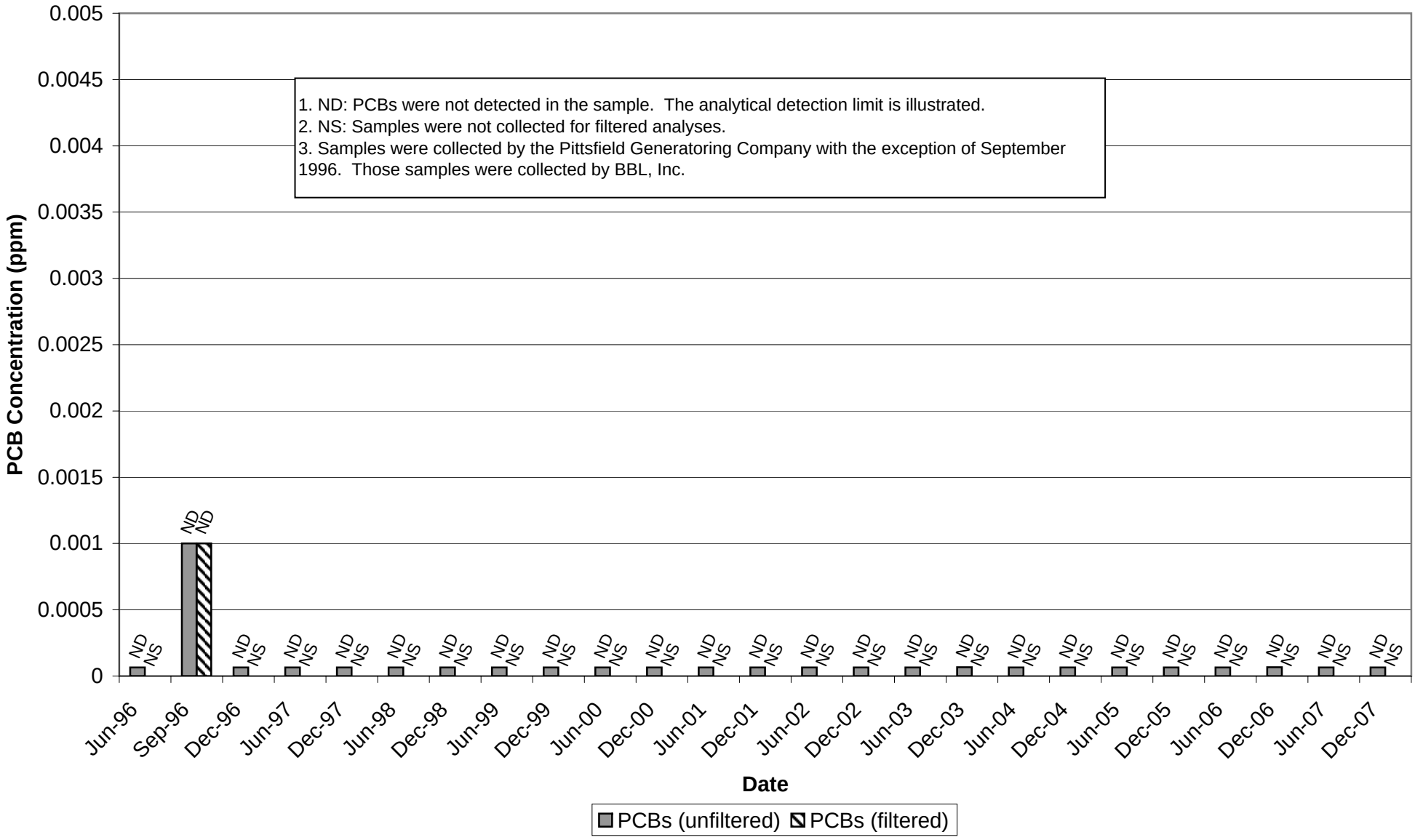
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



Appendix C

Summary of Pittsfield Generating Company Groundwater Data
Well ASW-5 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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Appendix D

Field Sampling Data

Table D-1
Groundwater Sampling Methods

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts

Well Number	Type of Pump	Average Fall Depth to Water (ft-bgs)	Depth to Till (ft-bgs)	Well Screen Interval (ft-bgs)	Approximate Pump Intake Placement [1] (ft-bgs)
78-1	Peristaltic	11.9	12	8-23	14
78-6	Peristaltic	9.2	13	3-18	12
GMA4-6	Peristaltic	8.9	>13	3-13	11
H78B-15	Peristaltic	11.3	14	6-16	14
H78B-16 [2]	Peristaltic	8.7	14	4-14	12
H78B-17R [2]	Bladder	12.2	14	14.3-23.5	20
OPCA-MW-1R	Peristaltic	8.1	14	10-25	13
OPCA-MW-2	Bladder	16.6	>23	13-23	19.5
OPCA-MW-3	Bladder	21.0	>28	18-28	25
OPCA-MW-4	Peristaltic	13.4	>22	12-22	17
OPCA-MW-5R	Peristaltic	12.8	17	11.25-21.25	17
OPCA-MW-6	Submersible	18.6	>25	15-25	22
OPCA-MW-7	Peristaltic	19.6	18	14-24	18
OPCA-MW-8	Bladder	13.1	7	13.5-23.5	19

NOTES:

1. Pump intake is generally placed at the center of the saturated well screen in a typical 10-foot screen length well that intersects the water table. Modifications may be required when the water table is above the top of the well screen, for wells with saturated screened lengths greater than 10 feet, and for wells screened across the till interface. The five pump placement categories for GMA 4 are listed below. If the actual depth to water varies significantly from the average values provided above, the pump intake depth is re-assessed in the field and placed accordingly.

Mid-Column Well screen straddles water table and is placed entirely above or below till interface, and less than 10 feet of water is typically present. Therefore, pump intake is located at mid-point between water surface and base of well.

Mid-Screen: Well screen is positioned below the water table and is placed entirely above or below till interface. Therefore, pump intake is to be located at mid-point of the well screen.

<5 ft Below Water Table: Well screen straddles water table and is placed entirely above or below till interface, and greater than 10 feet of water is typically present. Therefore, the pump intake is located five feet or less below the water surface.

Above Till Interface: Well screen crosses till interface and water table is present above till surface. Therefore, pump intake is located just above till interface to facilitate pumping from more permeable upper unit.

Near Till Interface: Well screen crosses till interface and water table is present near till surface. Therefore, pump intake is to be located just above till interface (if sufficient water is present), or as close to till interface as possible if water levels draw down to below that depth during pumping.

2. Sampling of these two wells is to be conducted on an annual basis, alternating between the spring and fall seasons each year. This schedule began with the spring 2004 event and the second scheduled interim sampling event was performed in fall 2005.

Table D-2
Summary of Historical Groundwater Sampling Methods

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts

Well Number	Sampling Method											
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007
78-1	PP/BA	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
	Fall 2002: Water became more turbid during sample collection.											
78-6	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
	Fall 2007: Lowered tubing as water level dropped, adjusted flow through cell/YSI setup while filling Fall 2002: PCDD/F sample bottle was damaged during shipment (re-collected next day).											
GMA4-6	--	--	--	--	--	--	--	--	--	PP	PP	PP
H78B-15	PP/BA	BP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
	Fall 2007: Tubing dropped to just off bottom of well Spring 2006: SVOC sample not collected. Fall 2002: Turbidity meter malfunction. Samples visually clear.											
H78B-16	PP/BA	PP	PP	PP	PP	NS	NS	PP	PP	--	--	PP
H78B-17R	BP	PP	BP	BP	BP	NS	NS	BP	BP	--	--	BP
	Fall 2002: Dissolved oxygen meter malfunction.											
OPCA-MW-1/MW1-R	PP/BA	BP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
	Spring 2005: pH meter malfunctioned, corrected in field and recalibrated.											
OPCA-MW-2	PP/BA	BP	BP	BP	BP	BP	BP	BP	BP	BP	PP	BP
	Fall 2007: Water level probe hits top of bladder pump Spring 2003: Bladder pump to be used instead of submersible pump. Fall 2002: Very low flow rate needed to maintain water levels.											
OPCA-MW-3	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
OPCA-MW-4	PP	BP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
	Fall 2002: Well dried during sample collection. Sampling completed after recharge.											
OPCA-MW-5R	PP/BA	BP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
	Fall 2002: Well dried during purging. Sample collected after recharge.											
OPCA-MW-6	PP/BA	PP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
	Fall 2007: Not enough water in well to operate bladder pump, switched to geopump Spring 2003: Proposed to use a submersible pump; however, the depth to water allowed for the use of a bladder pump. Fall 2002: Very low flow rate needed to maintain water levels (two days needed to collect samples).											
OPCA-MW-7	PP/BA	NS	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
	Fall 2007: Well went dry multiple times, sampled over multiple day period Fall 2006: Extended tubing length to near bottom after water level went below 19.5', well purged dry Spring 2006: Water level dropping during purging. Pump lowered approx. 1 foot to complete sampling. Fall 2005: Well ran dry during purging. Several visits over six different days were required to collect the appropriate sample volume for each parameter Fall 2002: Well dry - no sample collected.											

Table D-2
Summary of Historical Groundwater Sampling Methods

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts

Well Number	Sampling Method											
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	Fall 2006	Spring 2007	Fall 2007
OPCA-MW-8	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
	Fall 2007: Pump off due to battery. Well went dry, sampled after rechargin the following day.											
UB-MW-5	NS	NS	NS	NS	PP	NS	PP	PP	PP	--	--	--
	Spring 2006: Well dried up during sampling on 4/17/06. Additional samples were collected on 4/18/06. Fall 2005: Well ran dry during purging. Several visits over seven different days were required to collect the appropriate sample volume for each parameter analyzed Spring 2005: Well dried up during sampling on 4/5/05. Additional samples were collected on 4/7/05. Fall 2004: Well dried up during purging and did not recharge - no sample collected. Fall 2003: Well dry - no sample collected. Spring 2003: Well dry - no sample collected. Fall 2002: Well dry - no sample collected. Spring 2002: Well dry - no sample collected.											

NOTES:

1. BP - Bladder Pump
2. PP - Peristaltic Pump
3. BA - Bailer
4. PP/BA - Peristaltic Pump with bailer used for VOC sample collection
5. NS - Not Sampled
6. RFP - Removed From Program

GROUNDWATER SAMPLING LOG

Well No. 78-1
Key No. NA
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield / GMA 4
Sampling Personnel EIC
Date 10/9/07
Weather 60's, overcast, breezy

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From ____
Well Diameter 4"
Screen Interval Depth 8 - 23 Meas. From Ground
Water Table Depth 13.36 Meas. From TIC
Well Depth 22.35 Meas. From TIC
Length of Water Column 8.99
Volume of Water in Well ____
Intake Depth of Pump/Tubing ~16' 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 1120
Sample ID 78-1
Duplicate ID ~~78-1MS~~ D
MS/MSD 78-1 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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)
	Sulfide	

EVACUATION INFORMATION

Pump Start Time 0955
Pump Stop Time 1405
Minutes of Pumping 250
Volume of Water Removed 10 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
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 556 MPS / 03M0230 AC

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]*
1000	150	—	13.52	14.76	6.86	1.070	7	1.63 ~~46.2~~	214.0
1005	150	.199	13.59	14.70	6.86	1.070	9	1.50 ~~44.9~~	216.2
1010	150	.398	13.71	14.77	6.85	1.069	11	1.72 ~~47.1~~	216.1
1015	150	.597	13.81	14.82	6.85	1.070	12	1.65 ~~46.1~~	215.7
1020	150	.796	13.88	14.78	6.85	1.070	10	1.46 ~~44.5~~	215.3
1025	150	.995	13.95	14.79	6.84	1.071	9	1.35 ~~43.4~~	214.8
1030	150	1.19	14.03	14.80	6.84	1.071	8	1.24 ~~42.3~~	214.2
1035	150	1.39	~~14.14~~ 14.14	14.83	6.85	1.071	7	1.24 ~~42.0~~	213.5

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 78-1

Site/GMA Name GE Pittsfield / GMA 4
Sampling Personnel KIC
Date 10/9/07
Weather 60's, overcast, breezy

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	150	1.592	14.20	14.81	~~6.85~~	1.072	8	1.16 ~~4.5~~	212.7
1045	↓	1.791	14.28	14.79	6.85	1.073	5	1.07 ~~10.6~~	212.0
1050		1.990	14.32	14.79	6.85	1.073	4	1.11 ~~14.0~~	211.6
1055		2.189	14.42	14.80	6.86	1.074	3	1.09 ~~10.0~~	210.7
1100		2.388	14.50	14.78	6.85	1.076	3	0.95 ~~9.4~~	209.9
1105		2.587	14.59	14.77	6.86	1.078	3	0.88 ~~8.7~~	208.9
1110	↓	2.786	14.66	14.74	6.86	1.080	3	0.87 ~~8.6~~	207.8
1115	150	2.985	14.74	14.74	6.86	1.081	2	0.85 ~~8.4~~	206.9
1120	←	SAMPLED at 1120							→

* 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. 78-6
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA-4
Sampling Personnel KLC RAB
Date 11/13/07
Weather Partly Cloudy High 40s Windy

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 4"
Screen Interval Depth 3'-18' Meas. From Ground
Water Table Depth 8.80 Meas. From TIC
Well Depth 17.55 Meas. From TIC
Length of Water Column 8.75'
Volume of Water in Well 5.71 gallons
Intake Depth of Pump/Tubing 13 Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1410
Sample ID 78-6
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 12:05
Pump Stop Time 15:20
Minutes of Pumping 195
Volume of Water Removed 5.25 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 #3 556 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]*
1205	150	—	7.85*	—	—	—	83	—	—
1210	150	0.20	7.91	—	—	—	62	—	—
1215	150	0.40	7.91	—	—	—	43	—	—
1220	Flow	canister	8.11	still filling	—	—	—	—	—
~~1225~~	—	—	—	~~13.50~~	—	—	~~32~~	—	—
1225	100	0.66	8.18	13.50	6.55	1.805	32	19.24	19.3
1230	100	0.79	8.25	13.46	6.48	1.804	31	16.80	18.7
1235	100	0.92	8.32	13.32	6.54	1.802	34	7.80	14.7

* 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 No odor; Rusty precipitate (yellowish orange in color

* lower than initial Water Table
Attached to YSI @ 1215 Water continues to be turbid
Fine silt in water ~~caus~~ appears to affect turbity.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 78-6

Site/GMA Name GMA-4
Sampling Personnel KLC, RAB
Date 11/13/07
Weather Partly Cloudy High 40s 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]*
1240	100	1.05	8.32	13.58	6.51	1.796	35	3.80	9.0
1245	100	1.18	8.34	13.78	6.74	1.793	38	~~6.~~ 1.35	3.6
1250	100	1.31	8.35	13.39	6.77	1.803	41	1.09	-0.1
1255	80	1.42	8.35	13.39	6.80	1.802	45	7.23	-5.4
1300	80	1.53	8.35	13.23	6.84	1.809	42	1.15	-9.9
1305	80	1.64	8.35	13.43	6.81	1.805	42	0.78	-12.4
1310	80	1.75	8.35	13.58	6.81	1.810	42	0.68	-14.5
1315	80	1.86	8.35	13.10	6.83	1.815	42	0.66	-17.6
1320	100	1.99	8.35	13.46	6.84	1.808	46	0.66	-20.1
1325	100	2.12	8.35	13.56	6.84	1.811	50	0.71	-22.7
1330	125	2.29	8.35	13.34	6.85	1.813	56	0.69	-27.3
1335	125	2.46	8.39				56		
1340	150	2.66	8.37				60		
1345	150	2.86	8.37				62		
1350	100	2.99	8.38				63		
1355	100	3.12	8.37				61		
1400	100	3.25	8.37				59		
1405	100	3.38	8.37				~~60~~ 57		
1407	100	3.51	8.37				52		
1410	100	3.64	8.36				52		
1413	100	3.77	8.36				46		
1416	100	3.90	8.36				47		

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Disconnected @ 1330 Turbity >50
Switched battery @ 1335
All other parameters were within 10% prior to turbity issues, initiated sampling when turbidity fell below 50 for 2 consecutive readings.

GROUNDWATER SAMPLING LOG

BROWN STREET PROPERTY, NORTH ADAMS, MASSACHUSETTS

Well No. 78-6
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site Name GMA 4
Sampling Personnel JAP
Date 10/8/07
Weather Overcast, 70's °F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~2.5' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 3-18' Meas. From BGS
Water Table Depth 11.38 Meas. From TIC
Well Depth 16.31 Meas. From TIC
Length of Water Column 4.93
Volume of Water in Well 0.80gal
Intake Depth of Pump/Tubing 12.5 Meas. From TIC

Sample Time 1513
Sample ID 78-6
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) sulfide	(X)

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

Redevelop? Y (N)

EVACUATION INFORMATION

Pump Start Time 1316
Pump Stop Time —
Minutes of Pumping —
Volume of Water Removed 24.4gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI MPS 556 #3 (03C14pl S/N) / HACH TURBIDIMETER S/N 020200025 3%

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]*
1317	150	0.040	11.81	—	—	—	53	—	—
1322	125	0.205	12.04	—	—	—	68	—	—
1327	100	0.337	12.35	—	—	—	87	—	—
1332	100	0.470	12.59	—	—	—	73	—	—
1337	100	0.602	13.82	—	—	—	50	—	—
1354	100	0.735	13.34	16.85	6.82	2.242	191	8.90	-61.7
1359	100	0.867	13.43	16.71	6.82	2.217	157	6.42	-68.6
1404	100	0.999	13.51	16.77	6.81	2.193	146	5.43	-74.9
1409	100	1.13	15.60	16.84	6.80	2.161	81	4.60	-77.4
1414	100	1.26	13.72	16.99	6.78	2.112	70	4.25	-80.9
1419	100	1.40	13.90	16.73	6.78	2.097	46	3.63	-83.6
1424	100	1.53	13.95	16.66	6.78	2.079	35	3.68	-86.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Lowered tubing as water level dropped
Adjusted flow through cell / YSI setup 1 while filling.

* Note: This sample not used - Wrong well sampled

SAMPLE DESTINATION

Laboratory: SBS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

BROWN STREET PROPERTY, NORTH ADAMS, MASSACHUSETTS

Well No. 78-6
Key No. ____
PID Background (ppm) —
Well Headspace (ppm) —

Site Name GMA 4
Sampling Personnel JAP
Date 10/8/07
Weather Overcast ~70's °F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~2.5' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 3-18' Meas. From BGS
Water Table Depth 11.38 Meas. From TIC
Well Depth 16.31 Meas. From TIC
Length of Water Column 4.93
Volume of Water in Well 0.80gal
Intake Depth of Pump/Tubing ~12.5 Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1513
Sample ID 78-6
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1316
Pump Stop Time ____
Minutes of Pumping ____
Volume of Water Removed ~24.4gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI MPS 556 #3 (05C1440 S/N) / HACH TURBIDIMETER S/N 02020025 37K

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]*
1317	150	0.040	11.81	—	—	—	53	—	—
1322	125	0.205	12.04	—	—	—	68	—	—
1327	100	0.337	12.35	—	—	—	37	—	—
1332	100	0.470	12.59	—	—	—	73	—	—
1337	100	0.602	13.82	—	—	—	50	—	—
1354	100	0.735	13.34	16.85	6.82	2.242	191	8.90	-61.7
1359	100	0.867	13.43	16.71	6.82	2.217	157	6.42	-68.6
1404	100	0.999	13.51	16.77	6.81	2.193	146	5.43	-74.9
1409	100	1.13	13.60	16.84	6.80	2.161	81	4.60	-77.4
1414	100	1.26	13.72	16.99	6.78	2.112	70	4.25	-80.9
1419	100	1.40	13.90	16.73	6.78	2.097	46	3.63	-83.6
1424	100	1.53	13.95	16.66	6.78	2.079	35	3.68	-86.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Lowered tubing as water level dropped
Adjusted flow through cell / YSI setup while filling.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

Well No. 78-6

Site Name GMA 4

Sampling Personnel JAP

Date 10/8/07

Weather Overcast

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]*
1429	100	1.66	14.01	16.73	6.78	2.054	23	3.68	-76.4
1434	100	1.79	14.05	16.80	6.78	2.043	14	3.48	-50.3
1439	100	~~1.92~~	14.09	16.85	6.75	2.017	11	3.07	-54.9
1444	100	~~2.05~~	14.15	16.85	6.74	2.010	8	2.45	-70.7
1449	100	~~2.19~~	14.19	16.77	6.74	2.010	10	1.73	-75.1
1452	100	2.35	14.20	16.70	6.74	2.011	13	1.28	-80.0
1455	100	2.42	14.22	16.68	6.74	2.014	27	1.11	-82.9
1458	100	2.51	14.22	16.74	6.74	2.012	18	1.03	-80.1
1501	100	2.59	14.22	16.75	6.73	2.013	11	0.96	-56.2
15.04	100	2.66	14.22	16.79	6.73	2.010	9	0.86	-50.6
15.07	100	2.74	14.22	16.87	6.72	2.002	9	0.77	-48.1
15.10	100	2.82	14.22	16.90	6.71	1.995	9	0.78	-57.1

1.92
2.05
2.19
->

* 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. ~~MW-4-6~~ GMA4-6
Key No. A'A
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield / GMA 4
Sampling Personnel KJC
Date 10/8/07
Weather Cloudy low 70's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 3 - ~~15~~ 13 Meas. From Ground
Water Table Depth 10.65 Meas. From TIC
Well Depth 12.64 Meas. From TIC
Length of Water Column 1.99'
Volume of Water in Well 0.32'
Intake Depth of Pump/Tubing ~12.00 Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1250
Sample ID GMA4-6
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1135
Pump Stop Time ~~12~~ 1355
Minutes of Pumping 140 min
Volume of Water Removed 6.0 gallons ~~203.8 x~~
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
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-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]*
1140	250	0.33	10.81	15.02	6.92	1.301	6	2.67 ~~24.2~~	209.7
1145	200	0.59	10.80	15.00	6.91	1.301	4	1.35 ~~12.2~~	180.2
1150	↓	0.85	10.80	14.94	6.91	1.301	3	1.06 ~~9.10~~	166.3
1155		1.11	10.80	14.92	6.91	1.304	2	0.75 ~~6.8~~	146.0
1200		1.37	10.81	14.93	6.91	1.305	2	0.69 ~~6.3~~	140.6
1205		1.63	10.82	14.97	6.91	1.311	2	0.54 ~~4.9~~	128.0
1210	↓	1.89	10.82	14.93	6.90	1.314	1	0.50 4.5	122.8
1214	200	2.15	10.81	14.92	6.90	1.314	1	0.49 4.4	121.3

* 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
* Sampled @ 1250

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

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA4-6

Site/GMA Name GE Pittsfield / GMA 4
Sampling Personnel KIC
Date 10/8/07
Weather low 70's cloudy

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]*
1220	200	~~2.41 10.82~~	10.82	14.95	6.90	1.314	1 0.4	~~3.7~~	117.6
1225	200	2.67	10.81	14.94	6.90	1.318	1 0.38	~~3.4~~	115.4
1230	200	2.93	10.81	14.99	6.90	1.318	1 0.36	~~3.3~~	113.3
1235	↓	3.19	10.81	14.97	6.90	1.318	1 0.34	~~3.1~~	112.9
1240		3.45	10.81	14.95	6.90	1.319	1 0.33	~~3.0~~	111.8
1245	↓	3.71	10.81	15.00	6.90	1.319	1 0.33	~~3.0~~	1.117
1250	SAMPLED AT 1250								

* 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. H78B - 15
Key No. EX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield/GMA4
Sampling Personnel KLC
Date 10/10/07
Weather 58°C, Cloudy

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter 3/4
Screen Interval Depth 6-16 Meas. From Ground
Water Table Depth 15.87 Meas. From TIC
Well Depth 18.17 Meas. From TIC
Length of Water Column 2.3
Volume of Water in Well 0.05 gallon
Intake Depth of Pump/Tubing ~17.00 Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1600
Sample ID H78B-15
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1510
Pump Stop Time 1800
Minutes of Pumping 170
Volume of Water Removed _____
Did Well Go Dry? Y (N), but almost recharged at pump rate

Evacuation Method: Bailer ( ) Bladder Pump ( )
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-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]*
1515	—	—	—	—	—	—	110	—	—
1520	—	—	—	—	—	—	38	—	—
1525	75	0		14.54	6.69	2.247	24	7.13 ~~69.2~~	122.5
1530	75	.099		14.54	6.66	2.256	12	6.91 ~~67.1~~	124.8
1535	75	0.198		14.43	6.63	2.266	10	6.77 ~~65.7~~	129.8
1540	|	~~0.346~~ → 0.297		14.41	6.61	2.273	10	6.8 ~~66.7~~	138.1
1545	|	~~0.792~~ → .396		14.41	6.60	2.273	9	6.77 ~~65.7~~	141.3
1550	↓	0.495		14.37	6.59	2.273	9	6.71 ~~65.1~~	147.8

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

→ Initial purge had strong sewage smell.
→ tubing dropped to just off bottom of well.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. H78B 15

Site/GMA Name GE Pittsfield/GMA 4
Sampling Personnel EIC
Date 10/10/07
Weather Cloudy 58°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]*
1555	75	0.594	—	14.33	6.59	2.273	9 6.70	~~6.50~~ %	146.1
→ Sampled at			1600						

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

BROWN STREET PROPERTY, NORTH ADAMS, MASSACHUSETTS

Well No. H78B-16
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site Name GMA 4
Sampling Personnel JAP
Date 10/10/07
Weather Overcast, rainy 60°s (F)

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 3.5' Meas. From GROUND
Well Diameter 0.75"
Screen Interval Depth 4-14' Meas. From BGS
Water Table Depth 13.69 Meas. From TIC
Well Depth 17.00 Meas. From TIC
Length of Water Column 3.31'
Volume of Water in Well 0.08 gallon
Intake Depth of Pump/Tubing ~~13'~~ (TP) 14' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1543
Sample ID H78B-16
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 1455
Pump Stop Time 1547
Minutes of Pumping 52
Volume of Water Removed ~1.3 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( )
Peristaltic Pump (X) Submersible Pump ~~(X)~~ (P) Other/Specify ( )
Pump Type: geopump 2 (#7)
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #2 (03C0392) / HACH TURBIDMETER S/N: 020200025 376

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]*
1459	125	~~0.106~~ (TP)	13.71	—	—	—	10	—	—
1506	100	~~0.241~~ (TP)	13.71	14.15	7.50	1.186	2	4.14	204.4
1511	125	0.482	13.71	13.99	7.40	1.181	1	1.39	199.5
1516	100	0.605	13.71	13.94	7.29	1.176	2	1.26	198.6
1521	100	0.747	13.71	13.89	7.23	1.173	2	1.22	200.6
1526	100	0.879	13.71	13.85	7.18	1.171	2	1.15	201.7
1529	100	0.958	13.71	13.83	6.45	1.167	2	1.20	201.7
1532	100	1.04	13.71	13.81	6.01	1.165	2	1.23	204.3
1535	100	1.12	13.71	13.80	5.43	1.165	2	1.21	204.2
1538	100	1.20	13.71	13.77	5.90	1.163	2	1.22	204.4
1541	100	1.28	13.71	13.74	5.89	1.161	2	1.21	205.8

0.132
0.317

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS —

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. H78B-17R
Key No. Ex-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield/GMA 4
Sampling Personnel KLC
Date 10/11/07
Weather Cloudy, raing 50°C

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point _____ Meas. From _____
Well Diameter 4.00"
Screen Interval Depth 14.3-23.5 Meas. From Ground
Water Table Depth 14.25 Meas. From TIC
Well Depth 25.00 Meas. From TIC
Length of Water Column 10.75
Volume of Water in Well 7.02 gallons
Intake Depth of Pump/Tubing 18.1 Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1645
Sample ID H78B-17R
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 1500
Pump Stop Time 1650
Minutes of Pumping 50
Volume of Water Removed 3.5 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS Hach 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]*
1605	250	0.33	15.45	—	—	—	12	—	—
1610	↓	0.66	15.72	13.00	15.87	1.446	6	10.30	218.1
1615		0.99	15.61	12.91	15.00	1.445	2	5.55	217.4
1620		1.32	15.92	12.92	15.05	1.438	3	4.27	215.4
1625		1.65	16.00	12.95	14.61	1.434	3	6.24	212.7
1630		1.98	16.02	12.91	15.12	1.426	4	4.84	211.0
1635		2.31	16.10	12.90	15.20	1.426	3	4.74	209.9
1640	↓	2.64	16.14	12.86	15.17	1.425	4	4.77	209.7

* 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
☆ Sampled @ 1645

SAMPLE DESTINATION

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

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-1R
Key No. 2537
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield/GMA-4
Sampling Personnel GAR
Date 10/5/07
Weather Sunny, 75°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 0.60' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 10'-25' Meas. From Ground
Water Table Depth 6.16' Meas. From TIC
Well Depth 24.45' Meas. From TIC
Length of Water Column 18.29'
Volume of Water in Well 2.98 gallons
Intake Depth of Pump/Tubing 17.5' 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 12:05
Sample ID OPCA-MW-1R
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

Sulfide

EVACUATION INFORMATION

Pump Start Time 10:45
Pump Stop Time 13:20
Minutes of Pumping 155
Volume of Water Removed 4 gallons
Did Well Go Dry? Y (N)

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
10:50	100ml	0.13	6.50	—	—	—	8	—	—
10:55	100ml	0.26	6.90	19.30	8.22	7.840	7	6.45	224.0
11:00	100ml	0.40	7.02	19.45	8.27	7.837	5	5.50	209.0
11:05	100ml	0.53	7.12	19.30	8.38	7.762	5	5.04	189.5
11:10	100ml	0.66	7.25	19.46	8.60	7.660	4	4.92	172.6
11:15	100ml	0.79	7.32	19.23	8.61	7.588	5	4.86	159.5
11:20	100ml	0.92	7.41	19.54	8.73	7.360	6	4.63	147.1
11:25	100ml	1.06	7.47	19.36	8.84	7.242	5	4.58	135.0

* 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
OPCA-MW-3 Water: 21.65' Bottom: 27.25' GMA4-6 Water: 10.60' Bottom: 12.45' OPCA-MW-2 Water: 19.91' Bottom: 25.13'

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-1R

Site/GMA Name GE Pittsfield / GMA-4
Sampling Personnel GAE
Date 10/5/07
Weather Sunny, 75°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]*
11:30	100ml	1.19	7.55	19.06	9.89	6.877	4	4.52	118.2
11:35	100ml	1.32	7.60	19.11	9.61	6.828	4	4.65	113.5
11:40	100ml	1.45	7.63	18.83	9.48	6.762	4	4.90	110.8
11:45	100ml	1.59	7.67	18.97	9.63	6.676	4	5.02	105.7
11:50	100ml	1.72	7.71	19.10	9.75	6.617	3	5.03	101.0
11:55	100ml	1.85	7.73	18.93	9.75	6.656	3	4.99	97.5
12:00	100ml	1.98	7.74	19.39	9.82	6.661	3	4.71	93.7

* 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. OPCA-[redacted]MW-2
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA-4
Sampling Personnel GAR
Date 10/8/07
Weather Overcast, some light rain, 65°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +2.4' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 13'-23' Meas. From Ground
Water Table Depth 19.95' Meas. From TIC
Well Depth 25.15' Meas. From TIC
Length of Water Column 5.20'
Volume of Water in Well 0.85 gallon
Intake Depth of Pump/Tubing 22.6' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 13:20
Sample ID OPCA-MW-2
Duplicate ID GMA-4-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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

Sulfide

EVACUATION INFORMATION

Pump Start Time 12:10
Pump Stop Time 15:45
Minutes of Pumping 215
Volume of Water Removed 5.75 gallons
Did Well Go Dry? Y (N)

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
12:20	100ml	0.26	20.18	—	—	—	7	—	—
12:30	100ml	0.53	20.33	15.77	7.33	1.690	6	12.05	198.2
12:35	100ml	0.66	20.38	15.16	7.46	1.706	6	9.09	197.8
12:40	100ml	0.79	20.43	15.01	7.43	1.714	4	7.56	196.6
12:45	100ml	0.92	20.52	14.72	7.43	1.718	3	6.95	192.9
12:50	100ml	1.06	20.57	14.57	7.58	1.721	3	6.47	170.1
12:55	100ml	1.19	20.60	14.62	7.56	1.712	2	6.05	162.3
13:00	100ml	1.32	20.62*	14.81	7.53	1.708	1	5.80	156.9

* 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, odorless
Final Purge: Clear, odorless
* Water Level Probe is hitting the top of the bladder pump

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

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

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-2

Site/GMA Name GE Pittsfield - GMA-4
Sampling Personnel GAR
Date 10/8/07
Weather Overcast, some light rain, 65°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]*
13:05	100ml	1.45	NA	14.49	7.55	1.701	1	5.93	149.5
13:10	100ml	1.59	NA	14.65	7.47	1.695	2	5.57	153.6
13:15	100ml	1.72	NA	14.66	7.45	1.691	2	5.46	150.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-3
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE P, Hsfi,U/GMA-4
Sampling Personnel GARI AJS
Date 10/9/07
Weather Overcast, 65-70°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.50' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 18'-28' Meas. From Ground
Water Table Depth 21.73' Meas. From TIC
Well Depth 27.75' Meas. From TIC
Length of Water Column 6.02'
Volume of Water in Well 0.98 gallon
Intake Depth of Pump/Tubing 24.7' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 16:30
Sample ID OPCA-MW-3
Duplicate ID —
MS/MSD —
Split Sample ID —

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

Sulfide

EVACUATION INFORMATION

Pump Start Time 15:10
Pump Stop Time
Minutes of Pumping
Volume of Water Removed
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: 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]*
15:20	100ml	0.26	22.11	—	—	—	21	—	—
15:30	100ml	0.53	22.31	17.80	6.87	0.633	11	12.51	206.2
15:35	100ml	0.66	22.41	17.61	6.91	0.634	10	3.22	202.5
15:40	100ml	0.79	22.49	16.29	7.03	0.635	7	2.12	197.0
15:45	100ml	0.92	22.62	15.30	7.15	0.636	4	1.51	192.2
15:50	100ml	1.06	22.64	15.14	7.18	0.641	4	1.22	190.3
15:55	100ml	1.19	22.69	15.00	7.18	0.658	3	1.04	186.7
16:00	100ml	1.32	22.67	14.86	7.16	0.677	4	1.00	183.6

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

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

Well No. OPCA-MW-3

Site Name GE Pittsfield/GMA-4

Sampling Personnel GAR/AJS

Date 10/9/07

Weather Overcast, 65-70°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]*
16:05	100ml	1.45	22.70	14.71	7.15	0.692	4	0.89	180.5
16:10	100ml	1.59	22.73	14.75	7.14	0.705	3	0.89	172.9
16:15	100ml	1.72	22.72	14.60	7.13	0.719	2	0.87	175.4
16:20	100ml	1.85	22.71	14.57	7.10	0.726	3	0.84	173.0
16:25	100ml	1.98	22.73	14.50	7.10	0.736	2	0.90	170.3

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

BROWN STREET PROPERTY, NORTH ADAMS, MASSACHUSETTS

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

Site Name GMA 4
Sampling Personnel JAP
Date 10/9/07
Weather Overcast, 70°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~0.6' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 12-22 Meas. From BGS
Water Table Depth 14.25 Meas. From TIC
Well Depth 21.55' Meas. From TIC
Length of Water Column 7.3'
Volume of Water in Well 1.19 gal
Intake Depth of Pump/Tubing ~18 Meas. From TIC

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

Redevelop? Y (N)

Sample Time (Replicate) ~~1405~~ 1605 (Parent)
Sample ID OPCA-MW-4
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1522
Pump Stop Time 1726
Minutes of Pumping 124
Volume of Water Removed ~2.9 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER (02022000253376) / YSI 556 MPS #3 (03C1461)

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]*
1523	100	0.026	14.38	—	—	—	15	—	—
1531	125	0.238	14.56	15.18	7.25	1.229	4	15.02	159.9
1536	100	0.370	14.67	15.09	7.26	1.233	6	9.21	154.4
1541	100	0.502	14.77	15.32	7.25	1.233	4	6.00	149.9
1546	100	0.634	14.86	15.30	7.23	1.245	3	4.81	146.0
1551	100	0.767	14.98	15.28	7.21	1.253	3	3.61	140.8
1554	100	0.846	15.04	15.22	7.20	1.259	2	3.47	138.7
1557	100	0.925	15.09	15.17	7.19	1.261	2	3.22	136.4
1600	100	1.00	15.15	15.18	7.18	1.261	2	3.18	134.2

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

BROWN STREET PROPERTY, NORTH ADAMS, MASSACHUSETTS

Well No. OPCA-MW-5R
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site Name GMA 4
Sampling Personnel JAF
Date 10/9/07
Weather Overcast, 60°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-0.3' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 11.25-21.25 Meas. From BGS
Water Table Depth 13.67 Meas. From TIC
Well Depth 21.65 Meas. From TIC
Length of Water Column 7.98
Volume of Water in Well 1.30 gal
Intake Depth of Pump/Tubing ~17' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1155
Sample ID OPCA-MW-5R
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) (sulfide)	(X)

EVACUATION INFORMATION

Pump Start Time 1032
Pump Stop Time 1314
Minutes of Pumping 162
Volume of Water Removed ~4 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI MPS556 #3 / HACH TURBIDMETER

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]*
1033	125	0.033	13.83	—	—	—	95	—	—
1038	100	0.165	13.95	—	—	—	90	—	—
1043	100	0.298	14.16	—	—	—	68	—	—
1048	100	0.430	14.35	—	—	—	35	—	—
1058	100	0.695	14.61	15.97	6.86	0.379	23	14.63	97.5
(JF) 1103	100	0.827	14.70	15.82	6.90	0.389	13	14.78	93.2
1108	100	0.959	14.87	15.82	6.93	0.409	8	12.30	88.8
1113	100	1.09	14.99	15.67	7.01	0.440	6	8.22	89.2
1118	100	1.22	15.12	15.62	7.07	0.473	5	3.44	87.8
1123	100	1.35	15.24	15.67	7.06	0.495	5	1.98	86.0
1126	100	1.43	15.35	15.68	7.04	0.520	4	2.13	85.1
1129	100	1.51	15.43	15.70	7.02	0.541	5	2.08	76.5

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS —

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

Well No. CCA-MW-5R

Site Name GMA 4

Sampling Personnel JAF

Date 10/9/07

Weather Partly cloudy, 70°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]*
1132	100	1.59	15.50	15.79	7.01	0.563	5	1.50	73.0
1135	100	1.67	15.56	15.80	7.02	0.573	4	1.34	71.4
1138	100	1.75	15.64	15.70	7.02	0.596	5	1.25	70.4
1141	100	~~1.916~~ 1.83	15.70	15.69	7.04	0.612	5	1.20	70.4
1144	100	~~1.995~~ 1.91	15.77	15.56	7.06	0.622	5	1.18	69.6
1147	100	1.99	15.86	15.50	7.07	0.628	4	1.15	69.3
1150	100	2.07	15.94	15.46	7.07	0.637	4	1.11	68.3

* 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 Lowered tubing slightly towards end of sampling due to drop in water level

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW6D
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield / GMA 4
Sampling Personnel KLC
Date 10/11/07 + 10/15/07
Weather 50's Cloudy Windy

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 15 - 25 Meas. From Ground
Water Table Depth 21.63 Meas. From TIC
Well Depth 23.91 Meas. From TIC
Length of Water Column 2.28
Volume of Water in Well 0.37 gallon
Intake Depth of Pump/Tubing ~23' 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 1650 10/15/07
Sample ID OPCA-MW6
Duplicate ID —
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

Sulfide

EVACUATION INFORMATION

Pump Start Time 1120
Pump Stop Time 1305
Minutes of Pumping 95
Volume of Water Removed 1.25 gallons
Did Well Go Dry? (Y) N

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: bladder Pump
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]*
1125	100	0.13	22.19	—	—	—	109	—	—
1130	↓	0.26	22.38	—	—	—	55	—	—
1135		0.40	22.70	12.08	7.16	1.421	31	6.29	203.2
1140		0.53	23.10	11.92	7.14	1.424	50	5.88	211.2
1145		0.66	23.46	12.04	7.13	1.423	46	5.90	214.3
1150		0.79	23.80	11.48	7.13	1.446	88	5.89	215.8
1155	↓	0.92	23.90	11.78	7.14	1.432	60	5.16	216.6
	→ well went dry @ 1200 ←								

* 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

- not enough water in well to operate bladder pump, switched to (re) @ 1055
new depth to water = 21.95', stacked YSI up @ 1131

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OC4-MW06

Site/GMA Name GMA 4/GE Pittsfield

Sampling Personnel KLE

Date 10/11/07 & 10/15/07

Weather Sunny 60's

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1645	200		21.70	11.60	7.10	1.357	20	23.00	163.1
★ Sampled @ 10/15/07 @ 1650 ★									

* 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

1640 - pump start, initial depth to water = 21.25
depth to bottom = 23.96

★ Sampled at 1650

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW7
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 4/GE Pittsfield
Sampling Personnel KIC
Date 10/9/07 *
Weather Cloudy mid 50's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From Grade.
Well Diameter 2"
Screen Interval Depth 14-24 Meas. From Ground
Water Table Depth 21.90 Meas. From TIC
Well Depth 23.70 Meas. From TIC
Length of Water Column ~~2.10~~ 1.80'
Volume of Water in Well 0.29 gallon
Intake Depth of Pump/Tubing ~23.10 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 See Notes →
Sample ID OPCA-MW7
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X) 10/12/07
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X) 10/10/07
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X) 10/12/07
( )	Metals/Inorganics (Total)	( )
(X)	Metals/Inorganics (Dissolved)	(X) 10/10/07
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	( )
(X)	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	( )

EVACUATION INFORMATION

Pump Start Time 1615
Pump Stop Time 1710
Minutes of Pumping 55
Volume of Water Removed 1.5 gallons
Did Well Go Dry? (Y) N

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1620	150	0.20	22.10	—	~~3~~ —	—	298	—	—
1625	100	0.33	22.18	—	—	—	59	—	—
1630	↓	0.46	22.5	—	—	—	31	—	—
1635		0.59	22.61	14.35	6.57	5.449	42 ~~35.0~~	3.6	224.7
1640		0.72	22.70	14.45	6.57	5.540	54 ~~33.1~~	3.9	224.7
1645		0.85	22.81	14.39	6.60	5.559	20 ~~28.2~~	2.9	224.3
1650		0.98	~~22.90~~	14.22	6.55	5.706	22 ~~24.6~~	2.5	224.1
1655	↓	1.11	23.00	14.16	6.55	5.787	17 ~~24.4~~	2.5	223.9

* 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

10/9/07 - well went dry
10/10/07 - sampled at 1410 - SVOCs, Filtered Metals
10/12/07 - sampled at 0955 - VOCs, Filtered PCBs

SAMPLE DESTINATION

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

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. OPCAMW07

Site/GMA Name GMA 4/ GE Pittsfield.
Sampling Personnel EC
Date 10/9/07
Weather Cloudy Mid 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]*
1700	100	1.24	23.25	13.72	6.57	5.788	16	2.40 ~~2.33~~	224.1
1705	100	1.37	23.60	13.77	6.52	5.810	17	2.51 ~~24.3~~	224.1
1710	→ Ready to Sample well went dry ←								
10/11/07 1000	150		22.75	13.33	6.49	5.831	0	2.32 ~~28.12~~	257.0
~~1005~~	→ Sampled ←								
1410									
10/12/07 0950	200		23.55	13.27	6.53	6.237	10	3.09	240.1
0955	→ Sampled @ 0955 10/11/07 ←								

* 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

10/10/07 Sampled @ ~~1005~~ 1410, readings taken at 1000, well went dry.
10/12/07 Sampled 0955, PCBs and SVOCs, well went dry at 1015

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW 7

Site/GMA Name GE Pittsfield/GMA-4

Sampling Personnel KIC

Date 10/18/07

Weather Sunny, 50°F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
8:00 [redacted]	260	—	—	15.36	6.90	6.363	37	25.30	82.1
Sampled at 8:10									

* 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. OPCA-MW-8
Key No.
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield/GMA 4
Sampling Personnel KLC
Date 10/10/07
Weather low 60's overcast

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ____ Meas. From ____
Well Diameter 2"
Screen Interval Depth 13.5-23.5 Meas. From Ground
Water Table Depth 15.38 Meas. From TIC
Well Depth 21.80 Meas. From TIC
Length of Water Column 6.42'
Volume of Water in Well 1.05 gallons
Intake Depth of Pump/Tubing ~18 Meas. From TIC

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

Redevelop? Y (N)

Sample Time 14:30 10/11/07
Sample ID OPCA-MW8
Duplicate ID
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)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	EPA Cyanide (Dissolved)	( )
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

EVACUATION INFORMATION

Pump Start Time 1040 ? started again on 10/11 @ 1435
Pump Stop Time 1210
Minutes of Pumping 75
Volume of Water Removed 4 gallons
Did Well Go Dry? (Y) N

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

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]*
1045	150		15.95				135		
★ 1050	200						86		
1100	250								
1110	200		16.6				28		
1115	200		16.9	15.51	7.74	0.671	18	6.75 ~~7.0~~	227.2
1120	200		17.20	15.54	7.72	0.660	8	6.86 ~~6.8~~	223.4
1125	200		17.68	15.51	7.69	0.688	6	7.08 ~~7.2~~	233.6
1130	200		17.69	15.49	7.73	0.728	5	6.03 ~~5.9~~	227.8

* 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

Pump off, battery
Well went dry, sampled after recharging the following day

SAMPLE DESTINATION

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

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW8

Site/GMA Name GE Pittsfield/GMA 4

Sampling Personnel KLC

Date 10/11/07

Weather low 60's Cloudy wet.

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]*
1135			14.11	15.60	7.75	0.756	14	5.08	220.1
1209			20.7				415	4	
10/11/07 1430			14.91	15.03	7.56	0.942	14	7.93	218.0

* 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

☆ sampled at 1430 on 10/11/07.

GROUNDWATER SAMPLING LOG

Well No. _____
Key No. _____
PID Background (ppm) _____
Well Headspace (ppm) _____

Site/GMA Name: GE Pittsfield / GMA-4
Sampling Personnel: GAR
Date: 10/15/07
Weather: Overcast, 50°F

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ 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: 12:00
Sample ID: GMA-4-RB-1
Duplicate ID: —
MS/MSD: —
Split Sample ID: —

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

Sulfide

EVACUATION INFORMATION

Pump Start Time _____
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk - System One
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]*

* 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

An equipment rinse blank was collected by pouring distilled water thru a decanned bladder pump bladder, then into lab supplied sample containers

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

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Appendix E

Groundwater Elevation/NAPL
Monitoring Data – Fall 2007

Table E-1
Fall 2007 Groundwater Elevation Data

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev. (feet AMSL)	Date	Depth to Water (ft BMP)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation (feet AMSL)
060A	1,001.71	10/31/2007	Could not locate		0.00	NA
060B-R	1,002.79	10/31/2007	17.02	0.00	0.00	985.77
78-1	1,026.32	7/10/07	10.40	0.00	0.00	1,015.92
78-1	1,026.32	10/9/2007	13.36	0.00	0.00	1,012.96
78-1	1,026.32	10/31/2007	12.40	0.00	0.00	1,013.92
78-1	1,026.32	11/12/2007	12.39	0.00	0.00	1,013.93
78-2	1,033.96	7/10/2007	8.20	0.00	0.00	1,025.76
78-2	1,033.96	10/31/2007	11.85	0.00	0.00	1,022.11
78-3	1,007.13	10/31/2007	18.75	0.00	0.00	988.38
78-4	998.55	10/31/2007	12.80	0.00	0.00	985.75
78-5R	997.36	10/31/2007	5.34	0.00	0.00	992.02
78-6	1,012.00	10/31/2007	Could not locate		0.00	NA
78-6	1,012.00	11/12/2007	8.00	0.00	0.00	1,004.00
78-6	1,012.00	11/13/2007	8.80	0.00	0.00	1,003.20
GMA4-1	1,012.35	10/31/2007	23.76	0.00	0.00	988.59
GMA4-2	1,006.22	10/31/2007	13.64	0.00	0.00	992.58
GMA4-3	1,003.95	7/10/07	17.80	0.00	0.00	986.15
GMA4-3	1,003.95	8/28/2007	18.53	0.00	0.00	985.42
GMA4-3	1,003.95	9/17/2007	18.56	0.00	0.00	985.39
GMA4-3	1,003.95	10/31/2007	18.53	0.00	0.00	985.42
GMA4-3	1,003.95	11/29/2007	18.27	0.00	0.00	985.68
GMA4-3	1,003.95	12/17/2007	18.20	0.00	0.00	985.75
GMA4-4	999.64	7/10/2007	12.84	0.00	0.00	986.80
GMA4-4	999.64	10/31/2007	14.11	0.00	0.00	985.53
GMA4-5	993.34	10/31/2007	12.46	0.00	0.00	980.88
GMA4-6	1,009.12	7/10/2007	8.92	0.00	0.00	1,000.20
GMA4-6	1,009.12	10/8/2007	10.65	0.00	0.00	998.47
GMA4-6	1,009.12	10/31/2007	9.14	0.00	0.00	999.98
GMA4-6	1,009.12	11/12/2007	9.27	0.00	0.00	999.85
H78B-13R	992.93	10/31/2007	12.64	0.00	0.00	980.29
H78B-15	1,012.68	10/10/2007	15.87	0.00	0.00	996.81
H78B-15	1,012.68	10/31/2007	15.40	0.00	0.00	997.28
H78B-16	999.33	10/10/2007	13.69	0.00	0.00	985.64
H78B-16	999.33	10/31/2007	12.80	0.00	0.00	986.53
H78B-17	1,002.54	10/31/2007	16.75	0.00	0.00	985.79
H78B-17R	1,000.31	10/11/2007	14.25	0.00	0.00	986.06
H78B-17R	1,000.31	10/31/2007	13.76	0.00	0.00	986.55
NY-3	1,005.49	7/10/2007	15.41	0.00	0.00	990.08
NY-3	1,005.49	10/31/2007	16.85	0.00	0.00	988.64
NY-4	1,024.24	7/10/2007	10.41	0.00	0.00	1,013.83
NY-4	1,024.24	10/31/2007	13.53	0.00	0.00	1,010.71
NY-4	1,024.24	11/12/2007	11.54	0.00	0.00	1,012.70
OPCA-MW-1R	1,016.46	7/10/2007	3.92	0.00	0.00	1,012.54
OPCA-MW-1R	1,016.46	10/5/2007	6.16	0.00	0.00	1,010.30
OPCA-MW-1R	1,016.46	10/31/2007	Decommissioned Fall 2007		0.00	NA
OPCA-MW-2	1,019.58	7/10/2007	18.40	0.00	0.00	1,001.18
OPCA-MW-2	1,019.58	10/8/2007	19.95	0.00	0.00	NA
OPCA-MW-2	1,019.58	10/31/2007	Decommissioned Fall 2007		0.00	NA
OPCA-MW-3	1,014.83	7/10/2007	19.80	0.00	0.00	995.03
OPCA-MW-3	1,014.83	10/9/2007	21.73	0.00	0.00	993.10

Table E-1
Fall 2007 Groundwater Elevation Data

Groundwater Quality Monitoring Interim Report for Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts

Well Name	Measuring Point Elev. (feet AMSL)	Date	Depth to Water (ft BMP)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Groundwater Elevation (feet AMSL)
OPCA-MW-3	1,014.83	10/31/2007	21.95	0.00	0.00	992.88
OPCA-MW-4	1,018.67	7/10/2007	12.43	0.00	0.00	1,006.24
OPCA-MW-4	1,018.67	10/9/2007	14.25	0.00	0.00	1,004.42
OPCA-MW-4	1,018.67	10/31/2007	13.65	0.00	0.00	1,005.02
OPCA-MW-5R	1,016.34	7/10/07	11.45	0.00	0.00	1,004.89
OPCA-MW-5R	1,016.34	10/9/2007	13.67	0.00	0.00	1,002.67
OPCA-MW-5R	1,016.34	10/31/2007	13.98	0.00	0.00	1,002.36
OPCA-MW-6	1,022.31	7/10/2007	17.41	0.00	0.00	1,004.90
OPCA-MW-6	1,022.31	10/11/2007	21.63	0.00	0.00	1,000.68
OPCA-MW-6	1,022.31	10/31/2007	19.80	0.00	0.00	1,002.51
OPCA-MW-7	1,026.57	7/10/2007	15.60	0.00	0.00	1,010.97
OPCA-MW-7	1,026.57	10/9/2007	21.90	0.00	0.00	1,004.67
OPCA-MW-7	1,026.57	10/31/2007	22.88	0.00	0.00	1,003.69
OPCA-MW-8	1,027.40	7/10/2007	10.70	0.00	0.00	1,016.70
OPCA-MW-8	1,027.40	10/10/2007	15.38	0.00	0.00	1,012.02
OPCA-MW-8	1,027.40	10/31/2007	14.30	0.00	0.00	1,013.10
RF-14	1,001.59	10/31/2007	11.15	0.00	0.00	990.44
RF-15	1,011.80	10/31/2007	7.68	0.00	0.00	1,004.12
SCH-4	1,014.05	7/10/2007	9.30	0.00	0.00	1,004.75
SCH-4	1,014.05	10/8/2007	11.38	0.00	0.00	1,013.77
SCH-4	1,014.05	10/31/2007	9.58	0.00	0.00	1,004.47
SCH-4	1,014.05	11/12/2007	9.36	0.00	0.00	1,004.69
UB-MW-5	1,006.06	10/31/2005	Dry at 15.44 feet		0.00	NA
UB-MW-6	1,019.79	10/31/2007	22.68	0.00	0.00	997.11
Allendale School Property Monitoring Wells/Piezometers						
PZ-1	1,005.60	11/12/2007	4.18	0.00	0.00	1,001.42
PZ-2	1,009.89	11/13/2007	2.70	0.00	0.00	1,007.19
PZ-3	1,010.43	11/12/2007	3.97	0.00	0.00	1,006.46
PZ-4	1,007.96	11/12/2007	0.72	0.00	0.00	1,007.24
SCH-1	1,017.11	11/12/2007	9.04	0.00	0.00	1,008.07
East Street Area 2 - North (Groundwater Management Area 1)						
ES1-20	1,001.56	7/17/2007	14.62	0.00	0.00	986.94
ES1-20	1,001.56	10/30/2007	15.84	0.00	0.00	985.72
ES1-20	1,001.56	10/31/2007	15.78	0.00	0.00	985.78

Notes:

1. ft AMSL - feet Above Mean Sea Level.
2. ft BMP - feet Below Measuring Point

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Appendix F

Data Validation Report

Appendix F
Groundwater Sampling Data Validation Report

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts

1.0 General

This attachment summarizes the data validation review performed on behalf to the General Electric Company (GE) for groundwater samples collected between October and November 2007 as part of groundwater sampling activities conducted at Groundwater Management Area 4, located at the General Electric Company/Housatonic River Site in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for 15 PCB samples, 21 volatile organic compound (VOC) samples, 15 semi-volatile organic compound (SVOC) samples, 15 metal samples, 15 cyanide samples, 15 sulfide samples, and 15 polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) 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 (submitted by GE on March 30, 2007 and approved by EPA on June 13, 2007)*;*

- *Region I Tiered Organic and Inorganic Data Validation Guidelines*, USEPA Region I (July 1, 1993);

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses,* USEPA Region I (June 13, 1988) (Modified February 1989);

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

- *National Functional Guidelines for Dioxin/Furan Data Validation,* USEPA (Draft, January 1996).

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 F-1. Each sample subject to evaluation is listed in Table F-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	13	1	1	15
VOCs	0	0	0	15	1	5	21
SVOCs	0	0	0	13	1	1	15
Metals	0	0	0	13	1	1	15

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	
PCDDs/PCDFs	0	0	0	13	1	1	15
Sulfides	0	0	0	13	1	1	15
Cyanides	0	0	0	13	1	1	15
Total	**0**	**0**	**0**	**93**	**7**	**11**	**111**

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	21	J
	1,4-Dioxane	21	J
	2-Butanone	21	J
	2-Chloroethylvinylether	20	J
	Acetone	21	J
	Acetonitrile	21	J
	Acrolein	21	J
	Acrylonitrile	21	J
	Isobutanol	21	J
	Propionitrile	21	J
SVOCs	4-Phenylenediamine	14	J
	Aramite	14	J
	Hexachlorophene	15	J

Several of the organic compounds (including the compounds presented in the above tables detailing RRF

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

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	Acrolein	1	J
	Acrylonitrile	1	J
	Bromoform	6	J
	Bromomethane	1	J
	Isobutanol	13	J
	Methacrylonitrile	7	J
	Propionitrile	1	J
	Tetrachloroethene	1	J
SVOCs	2-Methylphenol	3	J
	2-Naphthylamine	11	J
	2-Picoline	2	J
	3,3'-Dimethylbenzidine	12	J
	4-Nitrophenol	1	J
	4-Nitroquinoline-1-oxide	12	J
	a,a'-Dimethylphenethylamine	14	J
	Aramite	14	J
	Benzidine	15	J
	Hexachlorocyclopentadiene	11	J
	Indeno(1,2,3-cd)pyrene	1	J
	N-Nitrosomethylethylamine	2	J
	Phenacetin	1	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	6	J
	Beryllium	11	J
	Cadmium	10	J
	Chromium	5	J
	Copper	4	J
	Lead	1	J
	Nickel	1	J
	Selenium	7	J
	Silver	6	J
	Thallium	9	J
	Tin	6	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery be within the laboratory-generated QC acceptance limits specified on the MS reporting form and inorganics MS/MSD recoveries must be within 75% to 125%. Organic and inorganic sample results associated with MS/MSD recoveries less than the specified control limit, but greater than 10% and 30%, respectively, were qualified as estimated (J) and sample results associated with MS/MSD recoveries less than 10% and 30%, respectively, were qualified as rejected (R). The compounds/analytes 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/Analyte Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	2-Chloroethylvinylether	1	R
SVOCs	4-Nitroaniline	1	R
	Pyridine	1	J
Inorganics	Sulfide	2	J
		1	R

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

Compounds Qualified Due to MS/MSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Bromoform	1	J
	Hexachlorocyclopentadiene	1	J
	Hexachloroethane	1	J
SVOCs	Pyridine	1	J

Blank action levels for compounds/analytes detected in the blanks were calculated at five times the blank concentrations. Detected sample results that were below the blank action level were qualified with a "U." The compounds/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/Analyte	Number of Affected Samples	Qualification
VOCs	Methylene Chloride	3	U
	Acetone	1	U
	Bromodichloromethane	1	U
	Chloroform	4	U
	Dibromochloromethane	1	U
SVOCs	bis(2-Ethylhexyl)phthalate	1	U
PCDDs/PCDFs	PeCDFs (total)	1	U
Inorganics	Barium	3	U
	Beryllium	1	U
	Cadmium	1	U
	Chromium	2	U
	Copper	5	U
	Silver	6	U
	Vanadium	2	U
	Zinc	1	U

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 and inorganics must be between 80% to 120%. Organic sample results associated with the LCS/LCSD that exceeded laboratory-generated QC acceptance limits were qualified as estimated (J) and organic sample results less than 10% were qualified as rejected (R). The compounds/analyte 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/Analyte Qualified Due to LCS/LCSD Recovery Deviations

Analysis	Compound/Analyte	Number of Affected Samples	Qualification
VOCs	Dichlorodifluoromethane	1	J
SVOCs	2-Nitrophenol	1	R
	3&4-Methylphenol	14	J
	Hexachlorobutadiene	1	J
Inorganics	Sulfide	7	J

According to the laboratory narrative, during PCDD/PCDF analysis, the presence of a peak in the polychlorinated diphenylether channel could cause a false positive or an overestimation of the affected analytes. The PCDD/PCDF compounds that exhibited possible polychlorinated diphenylether contamination are presented in the following table.

Compounds Qualified Due to Diphenylether Contamination Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCDDs/PCDFs	HxCDFs (total)	4	J
	PeCDFs (total)	7	J
	TCDFs (total)	7	J

According to the laboratory narrative, during PCDD/PCDF analysis, the presence of qualitative interference could cause a false positive or an overestimation of the affected analytes. The PCDD/PCDF compounds that exhibited qualitative interference contamination are presented in the following table.

Compounds Qualified Due to Qualitative Interference Contamination Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCDDs/PCDFs	1,2,3,7,8-PeCDF	1	J
	PeCDDs (total)	1	J
	PeCDFs (total)	1	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	99.9	A total of one sample result was rejected due to MS/MSD recovery deviations and one sample result was rejected due to LCS recovery deviations.
PCBs	100	None
PCDDs/PCDFs	100	None
Metals	100	None
Sulfides	93.3	A total of one sample result was rejected due to MS/MSD recovery deviations.
Cyanides	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 field duplicates, MS/MSD samples, and LCS/LCSD samples. For this analytical program, 0.11% of the data required qualification due to MS/MSD RPD deviations. None of the data required qualification due to field duplicate RPD deviations or LCS/LCSD RPD deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, LCS/LCSDs, MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 10.4% of the data required qualification due to instrument calibration deviations, 0.65% of the data required qualification due to LCS/LCSD recovery deviations, 0.16% of the data required qualification due to MS/MSD recovery deviations, and 1.8% of the data required qualification due to CRDL recovery deviations. None of the data required qualification due to surrogate compound recovery deviations or 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 between October and December 2007 were analyzed by EPA SW-846 method 8082 for PCBs, 8260 for VOCs, 8270 for SVOCs, 8290 for PCDDs/PCDFs, 6000/7000 for metals, 9030 for sulfides, and 9014 for cyanides.

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 93.3% to 100% for individual analytical parameters and had an overall usability of 99.0%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

Table F-1
Analytical Data Validation Summary

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
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											
G135-502	OPCA-MW-1R (Filtered)	10/5/2007	Water	Tier II	No						
G135-503	78-1 (Filtered)	10/9/2007	Water	Tier II	No						
G135-503	GMA4-6 (Filtered)	10/8/2007	Water	Tier II	No						
G135-503	GMA-4-DUP-1 (Filtered)	10/8/2007	Water	Tier II	No						Parent Sample OPCA-MW-2 (Filtered)
G135-503	OPCA-MW-2 (Filtered)	10/8/2007	Water	Tier II	No						
G135-503	OPCA-MW-5R (Filtered)	10/9/2007	Water	Tier II	No						
G135-503	SCH-4 (Filtered)	10/8/2007	Water	Tier II	No						
G135-506	H78B-15 (Filtered)	10/10/2007	Water	Tier II	No						
G135-506	OPCA-MW-3 (Filtered)	10/9/2007	Water	Tier II	No						
G135-506	OPCA-MW-4 (Filtered)	10/9/2007	Water	Tier II	No						
G135-508	OPCA-MW-7 (Filtered)	10/12/2007	Water	Tier II	No						
G135-508	OPCA-MW-8 (Filtered)	10/11/2007	Water	Tier II	No						
G135-510	GMA-4-RB-1 (Filtered)	10/15/2007	Water	Tier II	No						
G135-510	OPCA-MW-6 (Filtered)	10/15/2007	Water	Tier II	No						
G135-559	78-6 (Filtered)	11/13/2007	Water	Tier II	No						
Metals											
G135-502	OPCA-MW-1R (Filtered)	10/5/2007	Water	Tier II	Yes	Barium	Method Blank	-	-	ND(0.107)	
						Beryllium	CRDL Standard %R	133.0%	80% to 120%	ND(0.0100) J	
						Beryllium	Method Blank	-	-	ND(0.0100)	
						Cadmium	CRDL Standard %R	191.0%	80% to 120%	ND(0.0050) J	
						Cadmium	Method Blank	-	-	ND(0.0050)	
						Chromium	CRDL Standard %R	129.0%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	165.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead	CRDL Standard %R	142.0%	80% to 120%	ND(0.0100) J	
						Nickel	CRDL Standard %R	127.0%	80% to 120%	ND(0.0100) J	
						Selenium	CRDL Standard %R	126.0%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	136.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Tin	CRDL Standard %R	146.0%	80% to 120%	ND(0.100) J	
						Zinc	Method Blank	-	-	ND(0.0200)	
G135-503	78-1 (Filtered)	10/9/2007	Water	Tier II	Yes	Arsenic	CRDL Standard %R	72.1%	80% to 120%	ND(0.0100) J	
						Beryllium	CRDL Standard %R	55.4%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	48.4%	80% to 120%	ND(0.00500) J	
						Selenium	CRDL Standard %R	56.8%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	148.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Vanadium	Method Blank	-	-	ND(0.0500)	
G135-503	GMA4-6 (Filtered)	10/8/2007	Water	Tier II	Yes	Arsenic	CRDL Standard %R	72.1%	80% to 120%	ND(0.0100) J	
						Beryllium	CRDL Standard %R	55.4%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	48.4%	80% to 120%	ND(0.00500) J	
						Selenium	CRDL Standard %R	56.8%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	148.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
						Vanadium	Method Blank	-	-	ND(0.0500)	
G135-503	GMA-4-DUP-1 (Filtered)	10/8/2007	Water	Tier II	Yes	Arsenic	CRDL Standard %R	72.1%	80% to 120%	ND(0.0100) J	Parent Sample OPCA-MW-2 (Filtered)
						Beryllium	CRDL Standard %R	55.4%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	48.4%	80% to 120%	ND(0.00500) J	
						Selenium	CRDL Standard %R	56.8%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	148.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
G135-503	OPCA-MW-2 (Filtered)	10/8/2007	Water	Tier II	Yes	Arsenic	CRDL Standard %R	72.1%	80% to 120%	ND(0.0100) J	
						Beryllium	CRDL Standard %R	55.4%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	48.4%	80% to 120%	ND(0.00500) J	
						Selenium	CRDL Standard %R	56.8%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	148.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	
G135-503	OPCA-MW-5R (Filtered)	10/9/2007	Water	Tier II	Yes	Cadmium	CRDL Standard %R	56.2%	80% to 120%	ND(0.00500) J	
						Chromium	CRDL Standard %R	78.7%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	67.4%	80% to 120%	ND(0.0100) J	
G135-503	SCH-4 (Filtered)	10/8/2007	Water	Tier II	Yes	Arsenic	CRDL Standard %R	72.1%	80% to 120%	ND(0.0100) J	
						Beryllium	CRDL Standard %R	55.4%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	48.4%	80% to 120%	ND(0.00500) J	
						Selenium	CRDL Standard %R	56.8%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	148.0%	80% to 120%	ND(0.0100) J	
						Silver	Method Blank	-	-	ND(0.0100)	

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Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals (continued)											
G135-506	H78B-15 (Filtered)	10/10/2007	Water	Tier II	Yes	Cadmium	CRDL Standard %R	56.2%	80% to 120%	ND(0.00500) J	
						Chromium	CRDL Standard %R	78.7%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	67.4%	80% to 120%	ND(0.0100) J	
G135-506	OPCA-MW-3 (Filtered)	10/9/2007	Water	Tier II	Yes	Cadmium	CRDL Standard %R	56.2%	80% to 120%	ND(0.00500) J	
						Chromium	CRDL Standard %R	78.7%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	67.4%	80% to 120%	ND(0.0100) J	
G135-506	OPCA-MW-4 (Filtered)	10/9/2007	Water	Tier II	Yes	Cadmium	CRDL Standard %R	56.2%	80% to 120%	ND(0.00500) J	
						Chromium	CRDL Standard %R	78.7%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	67.4%	80% to 120%	ND(0.0100) J	
G135-508	OPCA-MW-7 (Filtered)	10/11/2007	Water	Tier II	Yes	Beryllium	CRDL Standard %R	58.1%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	152.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	43.1%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	127.0%	80% to 120%	ND(0.100) J	
G135-508	OPCA-MW-8 (Filtered)	10/11/2007	Water	Tier II	Yes	Barium	Method Blank	-	-	ND(0.100)	
						Beryllium	CRDL Standard %R	58.1%	80% to 120%	ND(0.0100) J	
						Chromium	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	152.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Thallium	CRDL Standard %R	43.1%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	127.0%	80% to 120%	ND(0.100) J	
G135-510	GMA-4-RB-1 (Filtered)	10/15/2007	Water	Tier II	Yes	Beryllium	CRDL Standard %R	58.1%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	43.1%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	127.0%	80% to 120%	ND(0.100) J	
G135-510	OPCA-MW-6 (Filtered)	10/15/2007	Water	Tier II	Yes	Barium	Method Blank	-	-	ND(0.500)	
						Beryllium	CRDL Standard %R	58.1%	80% to 120%	0.00366 J	
						Copper	Method Blank	-	-	ND(0.200)	
						Thallium	CRDL Standard %R	43.1%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	127.0%	80% to 120%	0.00939 J	
G135-559	78-6 (Filtered)	11/13/2007	Water	Tier II	Yes	Arsenic	CRDL Standard %R	127.0%	80% to 120%	0.00588 J	
						Beryllium	CRDL Standard %R	185.0%	80% to 120%	0.000850 J	
						Copper	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Selenium	CRDL Standard %R	66.3%	80% to 120%	ND(0.0200) J	
						Thallium	CRDL Standard %R	36.3%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	124.0%	80% to 120%	ND(0.0100) J	
VOCs											
G135-502	OPCA-MW-1R	10/5/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	Method Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-503	78-1	10/9/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Acetone	ICAL RRF	0.020	>0.05	0.0023 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	MS/MSD RPD	33.5%	<30%	0.00048 J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-503	GMA4-6	10/8/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.02	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	

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Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-503	GMA4-6	10/8/2007	Water	Tier II	Yes	Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromodichloromethane	Trip Blank	-	-	ND(0.0010)	
						Chloroform	Trip Blank	-	-	ND(0.0010)	
						Dibromochloromethane	Trip Blank	-	-	ND(0.0010)	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-503	GMA-4-DUP-1	10/8/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	Parent Sample OPCA-MW-2
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-503	OPCA-MW-2	10/8/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-503	OPCA-MW-5R	10/9/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-503	SCH-4	10/8/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-503	Trip Blank	10/9/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-506	H78B-15	10/10/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	

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Analytical Data Validation Summary

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
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)											
G135-506	H78B-15	10/10/2007	Water	Tier II	Yes	2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	0.0031 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Chloroform	Trip Blank	-	-	ND(0.0010)	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Methylene Chloride	Method Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-506	H78B-16	10/10/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Chloroform	Trip Blank	-	-	ND(0.0010)	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-506	OPCA-MW-3	10/9/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-506	OPCA-MW-4	10/9/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-506	Trip Blank	10/10/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-508	H78B-17R	10/11/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(1.0) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.13) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.20) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.25) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.25) J	
						Bromomethane	CCAL %D	34.9%	<25%	ND(0.010) J	
						Chloroform	Trip Blank	-	-	ND(0.0045)	
						Dichlorodifluoromethane	LCS %R	68.0%	69.8% to 134%	ND(0.010) J	

Table F-1
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Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-508	H78B-17R	10/11/2007	Water	Tier II	Yes	Isobutanol	ICAL RRF	0.003	>0.05	ND(0.50) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.50) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.20) J	
G135-508	OPCA-MW-7	10/12/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	28.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methacrylonitrile	CCAL %D	37.7%	<25%	ND(0.010) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-508	OPCA-MW-8	10/11/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetone	Trip Blank	-	-	ND(0.0050)	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	28.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methacrylonitrile	CCAL %D	37.7%	<25%	ND(0.010) J	
						Methylene Chloride	Method Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-508	Trip Blank	10/12/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	0.0017 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	28.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methacrylonitrile	CCAL %D	37.7%	<25%	ND(0.010) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-510	GMA-4-RB-1	10/15/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	0.0028 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	28.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methacrylonitrile	CCAL %D	37.7%	<25%	ND(0.010) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-510	OPCA-MW-6	10/15/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	28.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methacrylonitrile	CCAL %D	37.7%	<25%	ND(0.010) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-510	Trip Blank	10/15/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	

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Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-510	Trip Blank	10/15/2007	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.045	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.024	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.017	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	28.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methacrylonitrile	CCAL %D	37.7%	<25%	ND(0.010) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.020) J	
G135-559	78-6	11/13/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.028	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.040	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.024	>0.05	0.0014 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.009	>0.05	ND(0.025) J	
						Acrolein	CCAL %D	88.9%	<25%	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.035	>0.05	ND(0.025) J	
						Acrylonitrile	CCAL %D	42.9%	<25%	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methacrylonitrile	CCAL %D	39.0%	<25%	ND(0.010) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Propionitrile	CCAL %D	45.5%	<25%	ND(0.020) J	
						Tetrachloroethene	CCAL %D	30.4%	<25%	ND(0.0010) J	
SVOCs											
G135-502	OPCA-MW-1R	10/5/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	200.0%	<25%	ND(0.010) J	
						2-Nitrophenol	LCS %R	4.6%	23.8% to 145%	R	
						4-Nitroaniline	MSD %R	2.4%	30.0% to 153%	R	
						4-Nitrophenol	CCAL %D	45.0%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	35.8%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	99.0%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.025	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.8%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.041	>0.05	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	CCAL %D	67.3%	<25%	ND(0.010) J	
						Phenacetin	CCAL %D	86.7%	<25%	ND(0.010) J	
						Pyridine	MS/MSD RPD	49.9%	<30%	ND(0.010) J	
G135-503	78-1	10/9/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
						Pyridine	MSD %R	48.3%	50.0% to 150%	ND(0.010) J	
G135-503	GMA4-6	10/8/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-503	GMA-4-DUP-1	10/8/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	Parent Sample OPCA-MW-2
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	

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SVOCs (continued)											
G135-503	GMA-4-DUP-1	10/8/2007	Water	Tier II	Yes	4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-503	OPCA-MW-2	10/8/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-503	OPCA-MW-5R	10/9/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-503	SCH-4	10/8/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-506	H78B-15	10/10/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-506	OPCA-MW-3	10/9/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-506	OPCA-MW-4	10/9/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	35.2%	<25%	ND(0.050) J	
						3&4-Methylphenol	LCS %R	72.7%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	

Table F-1
Analytical Data Validation Summary

Groundwater Quality Monitoring Interim Report For Fall 2007
Groundwater Management Area 4
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)											
G135-506	OPCA-MW-4	10/9/2007	Water	Tier II	Yes	4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-508	OPCA-MW-7	10/11/2007	Water	Tier II	Yes	3&4-Methylphenol	LCSD %R	67.4%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-508	OPCA-MW-8	10/11/2007	Water	Tier II	Yes	3&4-Methylphenol	LCSD %R	67.4%	75.6% to 200%	ND(0.010) J	
						3,3'-Dimethylbenzidine	CCAL %D	28.2%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	70.5%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	115.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	74.7%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D	26.1%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-510	GMA-4-RB-1	10/15/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	38.8%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	25.8%	<25%	ND(0.050) J	
						2-Picoline	CCAL %D	34.9%	<25%	ND(0.010) J	
						3&4-Methylphenol	LCS %R	68.1%	75.6% to 200%	ND(0.010) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	64.7%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	105.3%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	50.0%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	MS/MSD RPD	48.4%	<30%	ND(0.020) J	
						Hexachloroethane	MS/MSD RPD	31.5%	<30%	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
						N-Nitrosomethylethylamine	CCAL %D	83.8%	<25%	ND(0.010) J	
G135-510	OPCA-MW-6	10/15/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	38.8%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	25.8%	<25%	ND(0.050) J	
						2-Picoline	CCAL %D	34.9%	<25%	ND(0.010) J	
						3&4-Methylphenol	LCS %R	68.1%	75.6% to 200%	ND(0.010) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	64.7%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	105.3%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	50.0%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
						N-Nitrosomethylethylamine	CCAL %D	83.8%	<25%	ND(0.010) J	
G135-559	78-6	11/13/2007	Water	Tier II	Yes	3&4-Methylphenol	LCS %R	71.9%	75.6% to 200%	ND(0.0050) J	
						3,3'-Dimethylbenzidine	CCAL %D	25.8%	<25%	ND(0.025) J	
						Aramite	CCAL %D	28.1%	<25%	ND(0.0050) J	
						Benzidine	CCAL %D	30.0%	<25%	ND(0.010) J	
						bis(2-Ethylhexyl)phthalate	Method Blank	-	-	ND(0.0050)	
						Hexachlorobutadiene	LCS %R	35.10%	37.9% to 123%	ND(0.0050) J	
						Hexachlorophene	ICAL RRF	0.023	>0.05	ND(0.0050) J	
PCDDs/PCDFs											
G135-502	OPCA-MW-1R	10/5/2007	Water	Tier II	Yes	PeCDFs (total)	Diphenylether Contamination	-	-	0.00000031 J	
						TCDFs (total)	Diphenylether Contamination	-	-	0.00000035 J	
G135-503	78-1	10/9/2007	Water	Tier II	Yes	HxCDFs (total)	Diphenylether Contamination	-	-	0.000000010 J	
						PeCDFs (total)	Diphenylether Contamination	-	-	0.000000034 J	
						TCDFs (total)	Diphenylether Contamination	-	-	0.00000012 J	
G135-503	GMA4-6	10/8/2007	Water	Tier II	Yes	PeCDFs (total)	Diphenylether Contamination	-	-	0.0000000076 J	

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PCDDs/PCDFs (continued)											
G135-503	GMA4-6	10/8/2007	Water	Tier II	Yes	TCDFs (total)	Diphenylether Contamination	-	-	0.000000023 J	
G135-503	GMA-4-DUP-1	10/8/2007	Water	Tier II	Yes	HxCDFs (total)	Diphenylether Contamination	-	-	0.000000017 J	Parent Sample OPCA-MW-2
						PeCDFs (total)	Diphenylether Contamination	-	-	0.000000049 J	
						TCDFs (total)	Diphenylether Contamination	-	-	0.000000050 J	
G135-503	OPCA-MW-2	10/8/2007	Water	Tier II	Yes	PeCDFs (total)	Diphenylether Contamination	-	-	0.000000016 J	
						TCDFs (total)	Diphenylether Contamination	-	-	0.000000036 J	
G135-503	OPCA-MW-5R	10/9/2007	Water	Tier II	Yes	1,2,3,7,8-PeCDF	Quantitative Interference	-	-	ND(0.0000000052) J	
						HxCDFs (total)	Diphenylether Contamination	-	-	0.00000042 J	
						PeCDDs (total)	Quantitative Interference	-	-	ND(0.0000000052) J	
						PeCDFs (total)	Diphenylether Contamination	-	-	0.00000090 J	
						PeCDFs (total)	Quantitative Interference	-	-	0.00000090 J	
						TCDFs (total)	Diphenylether Contamination	-	-	0.00000069 J	
G135-503	SCH-4	10/8/2007	Water	Tier II	Yes	HxCDFs (total)	Diphenylether Contamination	-	-	0.000000016 J	
						PeCDFs (total)	Diphenylether Contamination	-	-	0.000000039 J	
						TCDFs (total)	Diphenylether Contamination	-	-	0.00000012 J	
G135-506	H78B-15	10/10/2007	Water	Tier II	No						
G135-506	OPCA-MW-3	10/9/2007	Water	Tier II	No						
G135-506	OPCA-MW-4	10/9/2007	Water	Tier II	Yes	PeCDFs (total)	Method Blank	-	-	ND(0.0000000056)	
G135-508	OPCA-MW-8	10/11/2007	Water	Tier II	No						
G135-510	GMA-4-RB-1	10/15/2007	Water	Tier II	No						
G135-510	OPCA-MW-6	10/15/2007	Water	Tier II	No						
G135-520	OPCA-MW-7	10/18/2007	Water	Tier II	No						
G135-559	78-6	11/13/2007	Water	Tier II	No						
Cyanide-MADEP (PAC)											
G135-502	OPCA-MW-1R (Filtered)	10/5/2007	Water	Tier II	No						
G135-503	78-1 (Filtered)	10/9/2007	Water	Tier II	No						
G135-503	GMA4-6 (Filtered)	10/8/2007	Water	Tier II	No						
G135-503	GMA-4-DUP-1 (Filtered)	10/8/2007	Water	Tier II	No						Parent Sample OPCA-MW-2 (Filtered)
G135-503	OPCA-MW-2 (Filtered)	10/8/2007	Water	Tier II	No						
G135-503	OPCA-MW-5R (Filtered)	10/9/2007	Water	Tier II	No						
G135-503	SCH-4 (Filtered)	10/8/2007	Water	Tier II	No						
G135-506	H78B-15 (Filtered)	10/10/2007	Water	Tier II	No						
G135-506	OPCA-MW-3 (Filtered)	10/9/2007	Water	Tier II	No						
G135-506	OPCA-MW-4 (Filtered)	10/9/2007	Water	Tier II	No						
G135-508	OPCA-MW-8 (Filtered)	10/11/2007	Water	Tier II	No						
G135-510	GMA-4-RB-1 (Filtered)	10/15/2007	Water	Tier II	No						
G135-510	OPCA-MW-6 (Filtered)	10/15/2007	Water	Tier II	No						
G135-510	OPCA-MW-7 (Filtered)	10/16/2007	Water	Tier II	No						
G135-559	78-6 (Filtered)	11/13/2007	Water	Tier II	No						
Sulfide											
G135-502	OPCA-MW-1R	10/5/2007	Water	Tier II	No						
G135-503	78-1	10/9/2007	Water	Tier II	Yes	Sulfide	MS/MSD %R	25.0%, 22.0%	75% to 125%	R	
G135-503	GMA4-6	10/8/2007	Water	Tier II	Yes	Sulfide	LCS %R	67.0%	80% to 120%	ND(1.00) J	
G135-503	GMA-4-DUP-1	10/8/2007	Water	Tier II	Yes	Sulfide	LCS %R	67.0%	80% to 120%	ND(1.00) J	Parent Sample OPCA-MW-2
G135-503	OPCA-MW-2	10/8/2007	Water	Tier II	Yes	Sulfide	LCS %R	67.0%	80% to 120%	ND(1.00) J	
G135-503	OPCA-MW-5R	10/9/2007	Water	Tier II	Yes	Sulfide	LCS %R	67.0%	80% to 120%	ND(1.00) J	
G135-503	SCH-4	10/8/2007	Water	Tier II	Yes	Sulfide	LCS %R	67.0%	80% to 120%	ND(1.00) J	
G135-506	H78B-15	10/10/2007	Water	Tier II	Yes	Sulfide	MS %R	61.0%	75% to 125%	ND(1.00) J	
G135-506	OPCA-MW-3	10/9/2007	Water	Tier II	No						
G135-506	OPCA-MW-4	10/9/2007	Water	Tier II	No						
G135-508	OPCA-MW-8	10/11/2007	Water	Tier II	No						
G135-510	GMA-4-RB-1	10/15/2007	Water	Tier II	No						
G135-510	OPCA-MW-6	10/15/2007	Water	Tier II	No						
G135-510	OPCA-MW-7	10/16/2007	Water	Tier II	Yes	Sulfide	MS %R	52.0%	75% to 125%	ND(1.00) J	
G135-559	78-6	11/13/2007	Water	Tier II	Yes	Sulfide	LCS %R	71.0%	80% to 120%	ND(1.00) J	