GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted Via Overnight Courier

August 29, 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 Spring 2008

Dear Mr. Hull:

Enclosed is the *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2008.* This report summarizes activities performed at Groundwater Management Area (GMA) 4 (also known as the Plant Site 3 GMA) during spring 2008, 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 spring 2008 are also summarized in this report.

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

Sincerely,

Richard W Gates/RAB for

Richard W. Gates
Remediation Project Manager

Enclosure
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cc: Dean Tagliaferro, EPA
Tim Conway, EPA (cover letter only)
Holly Inglis, EPA (CD-ROM)
Rose Howell, EPA (CD-ROM, cover letter only)
K.C. Mitkevicius, USACE (CD-ROM)
Linda Palmieri, Weston (2 hard copies & CD-ROM)
Michael J. Gorski, MDEP (2 copies)
Anna Symington, MDEP (cover letter only)
Jane Rothchild, MDEP (cover letter only)
Thomas Angus, MDEP (cover letter only)
Nancy E. Harper, MA AG
Dale Young, MA EOEA
Mayor James Ruberto, City of Pittsfield
Thomas Hickey, Director, PEDA
Jeffrey Bernstein, BCK Law
Theresa Bowers, Gradient
Michael Carroll, GE (cover letter only)
Rod McLaren, GE (cover letter only)
James Nuss, ARCADIS
James Bieke, Goodwin Procter
John Ciampa, SPECTRA
Scott LeBeau, General Dynamics
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General Electric Company
Pittsfield, Massachusetts

Groundwater Management Area 4
Groundwater Quality Monitoring
Interim Report for Spring 2008

August 2008

ARCADIS

Groundwater Management Area 4 – Groundwater Quality Monitoring Interim Report for Spring 2008

General Electric Company
Pittsfield, Massachusetts

Prepared for:
General Electric Company
Pittsfield, Massachusetts

Prepared by:
ARCADIS
6723 Towpath Road
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.449.0017

Our Ref.:
B0020187

Date:
August 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 a *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 and, subsequently, during implementation of the baseline monitoring program.

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. 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. 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 the 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 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 Spring 2008* (Spring 2008 Groundwater Quality Report) presents the results of groundwater sampling activities performed at GMA 4 during April 2008, as well as other groundwater-related activities performed at this GMA between January and July 2008.

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. Pursuant to the Seventh CD modification entered into as of May 2008, the leased portion of this property will be subject to a new ground lease, but PGC (under new ownership) will remain operator of this facility. 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). The analytical results from that baseline investigation, along with the results from groundwater sampling events conducted during the past year under the OPCA monitoring program, are discussed below in Section 4.3.4 of this report.

Following EPA's January 2, 2001 conditional approval of the proposed OPCA groundwater monitoring program, GE initiated the semi-annual groundwater monitoring program (performed in the spring and fall of each year) at the OPCAs. 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 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 recently, the decommissioning of wells OPCA-MW-1R and OPCA-MW-2 prior to the re-routing of storm and sanitary sewer lines from beneath the Hill 78 OPCA. Following completion of the re-routing project, these wells were replaced with wells OPCA-MW-1RR and OPCA-MW-2R. 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 are discussed in Section 3.3 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 spring 2008, and the next scheduled sampling will be conducted in fall 2009. 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 spring 2008, 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 spring 2008 sampling event was initiated by GE on April 21, 2008 and completed on April 24, 2008. The GMA 4 interim groundwater quality monitoring program activities performed in spring 2008 are summarized in Table 1.

1.3 Format of Document

The remainder of this report is presented in four sections. Section 2 describes the activities performed under the interim monitoring program at GMA 4 in spring and early summer 2008. Section 3 presents the analytical results obtained during the spring 2008 groundwater sampling event and the results from PGC's bedrock supply well sampling. Section 4 provides a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW and provides an assessment of the results of the spring 2008 activities, including a comparison to those Performance Standards. A comparison of the recent monitoring results to the prior OPCA-related monitoring data is also provided. Finally, Section 5 presents GE's discussion of the implications of new and revised MDEP groundwater quality standards on the interim monitoring program, proposes certain modifications to that program, and summarizes 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 spring 2008 are provided in Table 3. 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 approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

2.2 Groundwater Level Measurement and LNAPL Monitoring

Groundwater elevations were measured at the wells shown in Table 2 and all data collected during spring 2008 are summarized in Table A-1 of Appendix A. The winter groundwater elevation monitoring event was performed on January 15, 2008, and the spring 2008 groundwater elevation monitoring event at GMA 4 was conducted on April 17, 2008. The spring 2008 groundwater elevations were, on average, approximately 0.20 foot higher than the elevations measured during the prior spring monitoring round in 2007 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 winter 2007/2008 and spring 2008 groundwater monitoring events (Figures 3 and 4). Wells OPCA-MW-1R and OPCA-MW-2 were not monitored in spring 2008 as they were decommissioned in fall 2007 prior to the initiation of the sewer re-routing project. Replacement wells OPCA-MW-1RR and OPCA-MW-2R were not installed until July 2008, and thus were not available to be utilized in the preparation of the groundwater contour maps.

As directed in EPA's November 14, 2006 conditional approval letter for the GMA 4 Groundwater Quality Monitoring Interim Report for Spring 2006, and initiated in fall 2007, GE has continued to include in GMA 4 submittals any EPA-generated groundwater elevation and/or analytical data from EPA-installed monitored piezometers PZ-1, PZ-2, PZ-3, and PZ-4, along with data from existing monitoring well SCH-1 located on or adjacent to the Allendale School property. The locations of these wells and piezometers are shown on Figure 2, and the EPA-generated groundwater elevation data from these locations are shown on Figures 3 and 4. The quarterly monitoring rounds for GMA 4 were coordinated with EPA so that both EPA-monitored and GE-monitored wells were gauged on the same day.

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. 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.

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 spring 2008 are summarized in Appendix A. As noted above, field observations and measurements indicate that NAPL has not entered wells OPCA-MW-2 (or its replacement well OPCA-MW-2R, based on initial observations after its installation), OPCA-MW-3, or GMA4-3, or been encountered in any of the other wells monitored and/or sampled during spring 2008.

2.3 Groundwater Sampling and Analysis

2.3.1 GMA 4 Sampling

The spring 2008 interim sampling event was performed between April 21 and April 24, 2008 at 12 groundwater monitoring wells, which include the groundwater monitoring wells associated with the OPCA monitoring program. Wells OPCA-MW-1R and OPCA-MW-2 were not sampled in spring 2008, as they were decommissioned in the fall 2007 during the sanitary and sewer re-routing project and replacement wells OPCA-MW-1RR and OPCA-MW-2R were not yet installed (these wells were installed in July 2008, following completion of restoration activities associated with that project). The pump intake depth and type of pump used during the spring 2008 sampling event are identified on the sampling records contained in Appendix B.

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 B.

A general summary of the stabilized field measurement results recorded during the spring 2008 monitoring event is provided below.

Parameter	Units	Range Of Stabilized Readings
Temperature	Degrees Celsius	8.11 to 13.45
pH	pH units	6.03 to 7.57
Specific Conductivity	Millisiemens per centimeter	0.434 to 3.05
Turbidity	NTUs	0 to 20
Dissolved Oxygen	Milligrams per liter	0.37 to 6.74
Oxidation-Reduction Potential	Millivolts	-38.6 to 276.8

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.

As discussed in the *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2008* (July 2008), GE conducted an equipment check and groundwater assessment at selected wells (including well H78B-17R at GMA 4) to evaluate anomalies in pH found in fall 2007. Well H78B-17R was evaluated on April 1, 2008, and pH readings were observed during low-flow purging at the well. The initial pH was 6.80, with a final, stabilized pH reading of 6.94. Based on the results of that assessment, GE concluded that the elevated pH readings encountered in fall 2007 appeared to be related to instrument malfunctions and not to changes in groundwater chemistry or damage to the monitoring wells. The pH in groundwater at all GMA 4 locations in spring 2008 was within the historically representative range of 5.0 to 8.5 (see Table 5).

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.

GE's spring 2008 interim groundwater quality sampling data were validated in accordance with the FSP/QAPP. As discussed in the validation report provided in Appendix F, 99.9% of the spring 2008 groundwater quality data are considered to be useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The SVOC,

PCB, PCDD/PCDF, inorganic, cyanide, and sulfide sample results were found to be 100% usable. VOC sample results were found to be 99.9% usable. The only rejected datum was one VOC sample result from well 78-1, where the 2-chloroethylvinylether result 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 on June 4, 2008 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 E-1 within Appendix E.

2.4 Well Installation and Development

Monitoring wells OPCA-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. Following completion of restoration activities related to that project, GE installed replacement monitoring wells OPCA-MW-1RR and OPCA-MW-2R near the former well locations. Table 3 shows the survey data and well construction details for these replacement wells, along with the existing wells in the baseline monitoring program. Monitoring well logs for the replacement wells are presented in Appendix G.

Approximately one week after their installation, on July 8-9, 2008, the new monitoring wells were developed to remove fine materials (e.g., fine sand, silt, clay) that may have accumulated in the filter pack and to ensure that the well screen was transmitting groundwater representative of the surrounding formation. Development was performed by surging the saturated portion of the well screen with a surge block and removing groundwater with a submersible pump and a positive displacement pump.

3. Spring 2008 Groundwater Analytical Results

3.1 General

A description of the spring 2008 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 spring 2008). Table C-1 in Appendix C provides the complete analytical 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.

3.2 Groundwater Quality Results

The following subsections provide an overview of the spring 2008 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 12 groundwater samples were collected and analyzed for VOCs during the spring 2008 sampling event. The VOC analytical results are summarized in Table 8 and Table C-1 (within Appendix C). No VOCs were detected in wells 78-1, 78-6, H78B-15, OPCA-MW-3, or OPCA-MW-8. At the seven wells where VOCs were detected, total VOC concentrations ranged from an estimated concentration of 0.00014 ppm (at well OPCA-MW-7) to a concentration of 0.12 ppm (well H78B-17R). A total of twelve individual VOCs were detected in one or more wells. Chlorobenzene, chloroform, trichloroethene and vinyl chloride were the most frequently detected VOCs (detected in three wells each). Chlorobenzene and vinyl chloride were detected in wells H78B-16, OPCA-MW-4, and OPCA-MW-5R. Chlorobenzene was detected at estimated concentrations ranging from 0.00012 ppm (well OPCA-MW-4) to 0.0089 ppm (H78B-16). Vinyl chloride was detected at estimated concentrations from 0.00032 ppm (OPCA-MW-4) to 0.0012 ppm (OPCA-MW-5R). Chloroform was detected in wells GMA4-6, H78B-16, and H78B-17R in concentrations ranging from an estimated concentration of 0.00014 ppm (wellH78B-16) to a concentration of 0.033 ppm (H78B-17R). Trichloroethene was detected in wells H78B-16, H78B-17R, and OPCA-MW-4 in concentrations ranging from an estimated concentration of 0.0014 ppm (well OPCA-MW-4) to a concentration of 0.082 ppm (H78B-17R).

3.2.2 SVOC Results

A total of ten groundwater samples were collected and analyzed for SVOCs during the spring 2008 sampling event. The SVOC analytical results are summarized in Table 8 and Table C-1 (within Appendix C). Bis(2-ethylhexyl)phthalate, a common laboratory contaminant, was detected in two wells (78-1 and OPCA-MW-8, at estimated concentrations of 0.00094 and 0.0011 ppm, respectively) and 1,2,4-trichlorobenzene was detected in one well (OPCA-MW-4 at an estimated concentration of 0.0016 ppm). No SVOCs were detected in any of the remaining wells analyzed for this constituent group in spring 2008.

3.2.3 PCB Results

Filtered groundwater samples from ten wells were analyzed for PCBs as part of the spring 2008 sampling event. The PCB analytical results are summarized in Table 8 and Table C-1 (within Appendix C). PCBs were detected in two wells (OPCA-MW-6 and OPCA-MW-8) at estimated concentrations of 0.00017 ppm and 0.00019 ppm, respectively. No PCBs were detected in any of the other monitoring wells.

3.2.4 PCDD/PCDF Results

Groundwater samples collected from ten monitoring wells were analyzed for PCDDs/PCDFs during the spring 2008 sampling event. The analytical results summarized in Table 8 and Table C-1 (within Appendix C) show that individual PCDD/PCDF compounds were detected in six monitoring wells. 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, thus allowing TEQs to be developed for all wells, including the four wells where no PCDD/PCDF compounds were detected. Total TEQ concentrations ranged from 0.67×10^{-8} ppm to 1.10×10^{-8} ppm.

3.2.5 Inorganic Constituent Results

Filtered groundwater samples were obtained from ten monitoring wells for analysis of metals and physiologically available cyanide during the spring 2008 sampling event. Unfiltered samples from the ten wells were also analyzed for sulfide. The analytical results for these inorganic constituents are summarized in Table 8 and Table C-1 (within Appendix C). All locations contained at least one inorganic constituent in the filtered samples. Chromium was the mostly commonly observed inorganic constituent (detected in nine filtered samples), followed by barium (detected in eight filtered samples). Sulfide was

detected in four wells (78-1, GMA4-6, OPCA-MW-4, and OPCA-MW-7). 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 June 2008), along with data from prior sampling events, are summarized in Table E-1 of Appendix E. 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 0.0097 ppm.

4. Assessment of Results

4.1 General

This report constitutes the ninth interim groundwater quality monitoring report for GMA 4, and is the fifteenth 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 spring 2008 groundwater sampling event, supplemented with historical groundwater analytical data when applicable.

4.2 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 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, certain constituents present within GW-2 groundwater represent a potential source of vapors to the indoor air of the overlying occupied structures.

- GW-3 groundwater is defined as groundwater that discharges to surface water. By MCP definition, all groundwater at a site is classified as GW-3 since it is considered to 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 spring 2008 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 February 14, 2008 MDEP implemented revised Method 1 numerical standards for a number of constituents in groundwater, and this report constitutes the first report at this GMA for which those standards will be applied. In addition, in its July 30, 2008 conditional approval letter related to the *Groundwater Management Area 2 Long-Term Monitoring Program Addendum to Monitoring Event Evaluation Report for Fall 2007*, EPA specified that the low-range guidance values developed in that report for cobalt and copper should represent the Method 2 GW-3 standards for these metals at all of the GE Pittsfield GMAs. As such, although neither metal was detected in any of the samples during this sampling event, GE has utilized those Method 2 standards in its evaluation of whether there is any need for additional monitoring for those constituents.

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. The compliance points were initially identified in the GMA 4 Baseline Monitoring Proposal (although certain modifications were made subsequent to that proposal as a result of EPA requirements, findings during field reconnaissance of the selected wells, or replacement of certain wells during the course of the monitoring program) 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 spring 2008 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 and other prior OPCA-related monitoring data for those wells.

4.3 Groundwater Quality – Spring 2008

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the spring 2008 groundwater sampling event were compared to the applicable groundwater Performance Standards for GMA 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 and, for cobalt and copper, on the recently-developed Method 2 GW-3 standards for these two metals. The following subsections discuss the spring 2008 groundwater analytical results in relation to these Performance Standards, as well as in relation to the MCP UCLs for groundwater. In support of those discussions, Tables 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 in the past were 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 spring 2008 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 Spring 2008 Groundwater Results Relative to GW-2 Performance Standards

Groundwater samples were collected from three 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-4, and OPCA-MW-5R. The spring 2008 groundwater analytical results for the detected constituents within these three wells were compared to the MCP Method 1 GW-2 standards as presented in Table 6. In light of the new MCP Method 1 GW-2 for PCBs, a comparison of the filtered PCB results from these wells to the new GW-2 PCB standard was also performed.

There were no exceedances of GW-2 standards at any GW-2 well 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 detected at an estimated concentration of 0.0012 ppm, which is below the GW-2 standard of 0.002 ppm. This is the first time that vinyl chloride has been detected in this well since the spring 2006 sampling event, when concentrations of vinyl chloride had exceeded the GW-2 standard. No PCBs were detected in any of the GW-2 wells in spring 2008.

4.3.2 Spring 2008 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from eleven wells designated as GW-3 monitoring points during the spring 2007 groundwater sampling event. Three of these wells (H78B-15, 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. Five wells (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. As discussed above, Method 2 GW-3 standards for cobalt and copper have been developed and implemented at the GE-Pittsfield GMAs. However, since these metals were not detected in any of the spring 2008 groundwater samples, no comparisons to these standards are contained in that table.

The comparisons set forth in Table 7 show that no constituents were found at levels above their respective MCP Method 1 GW-3 standards in groundwater samples collected in spring 2008.

As shown in Table 7, trichloroethene (TCE) was detected at an estimated concentration of 0.038 ppm and a concentration of 0.082 ppm at wells H78B-16 and H78B-17R, respectively. These wells, which are downgradient of PGC's Steam Turbine Generator Building (located approximately 120 feet to the north of well H78B-16), are used to assess TCE that has been previously detected in this area. The spring 2008 TCE concentrations are less than the MCP Method 1 GW-3 standard for TCE (5 ppm) and, as shown in Appendix D, these results are consistent with prior data collected at these locations.

4.3.3 Comparison to Upper Concentration Limits

In addition to comparing the spring 2008 groundwater analytical results with applicable MCP Method 1 GW-2 and MCP Method 1 and 2 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 spring 2008 sampling event.

4.3.4 Comparison to OPCA Baseline and Prior Groundwater Data

Groundwater samples were collected from ten OPCA monitoring wells during the spring 2008 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 D-1 within Appendix D, 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 D, along with graphs of historical concentrations of individual constituents where concentrations exceeded the applicable 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 spring 2008 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.

VOCs

Six VOCs were detected in the spring 2008 OPCA monitoring well samples. The most frequently detected VOCs (chlorobenzene and vinyl chloride) were detected in two wells (OPCA-MW-4 and OPCA-MW-5R). Chlorobenzene was detected at estimated concentrations ranging from 0.00012 ppm (well OPCA-MW-4) to 0.00048 ppm (well OPC

A-MW-5R), which are well below the GW-2 standard of 0.2 ppm. Vinyl chloride was detected at estimated concentrations of 0.00032 ppm (OPCA-MW-4) and 0.0012 ppm (OPCA-MW-5R), also below the GW-2 standard of 0.002 ppm. Other VOCs detected in OPCA wells include acetone, chloroform, dibromochloromethane, and trichloroethene. None of these constituents was detected at concentrations above the respective GW-3 standard. Vinyl chloride, which was detected in well OPCA-MW-5R in spring 2006 at a concentration (0.0071 ppm) above the GW-2 standard (0.002 ppm), was detected in spring 2008 at a concentration of 0.0012 ppm (which is below the GW-2 standard). This is the first time vinyl chloride has been detected since spring 2006 and, as shown in the graph in Appendix D, is only the second time that vinyl chloride has been observed at well OPCA-MW-5R in sixteen sampling events.

These VOC results have been compared with the historical results as illustrated in the graphs provided in Appendix D and are generally consistent with the 1999 baseline sampling analytical results. 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

Two SVOCs were detected in OPCA monitoring wells during the spring 2008 monitoring event. Bis(2-ethylhexyl)phthalate was detected in well 78-1 at an estimated concentration of 0.00094 ppm and at well OPCA-MW-8 at estimated concentration of 0.0011 ppm. The other SVOC, 1,2,4-trichlorobenzene, was detected at well OPCA-MW-4 at an estimated concentration of 0.0016 ppm. No other SVOCs were detected in the OPCA wells during this sampling round. Neither of these constituents was detected above its applicable MCP Method 1 GW-3 standard.

PCBs

The spring 2008 analytical results for the OPCA groundwater monitoring program indicate that PCBs were detected in two of the ten filtered samples analyzed (wells OPCA-MW-6 and OPCA-MW-8, at estimated concentrations of 0.00017 ppm and 0.00019 ppm, respectively). These concentrations are well below the newly-revised Method 1 GW-3 standard of 0.010 ppm for PCBs. No PCBs were detected in any of the other OPCA wells during the spring 2008 sampling event.

Other Appendix IX+3 Constituents

Low levels of PCDDs were observed in OPCA groundwater monitoring program well OPCA-MW-8, and trace levels of PCDFs were detected in six wells (78-1, 78-6, OPCA-MW-4, OPCA-MW-5R, OPCA-MW-6, and OPCA-MW-8) during the spring 2008 sampling event. No PCDDs or PCDFs were detected in wells GMA4-6, H78B-15, OPCA-MW-3, and OPCA-MW-7. As previously discussed in Section 3.2.4, TEQ values are calculated for each sample using WHO TEFs, incorporating values equal to one-half of 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 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 or 2 (copper, cobalt) GW-3 standards observed in the OPCA 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 E. 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 spring 2008 total VOC result (0.0097 ppm) falling near the lowest portion of this historical range. None of the VOCs detected in this supply well have 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 spring 2008 are presented in Appendix D. In addition, Appendix D 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 D, 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 certain chlorinated VOCs have been observed.

All constituents detected in GMA 4 in spring 2008 were at levels below the applicable Method 1 GW-2 standards, Method 1 or 2 GW-3 standards, and/or UCLs for groundwater. As shown in Appendix D, the data collected in spring 2008 is consistent with prior data.

4.5 NAPL Monitoring Results

NAPL monitoring was conducted during all groundwater elevation monitoring activities conducted in spring 2008. NAPL was not observed in any of the GMA 4 monitoring wells monitored during this time period, including well OPCA-MW-3, which is 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 A (along with all other monitoring data collected in spring 2008). 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. Proposed Monitoring Program Modifications and Schedule of Future Activities

5.1 General

In spring 2008, GE conducted the ninth 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 spring 2008 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.

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

5.2 Evaluation and Proposed Modifications to Interim Monitoring Program

In the fall 2003 GMA 4 Groundwater Quality Report, GE presented an evaluation of the baseline monitoring results from GMA 4 and proposed to retain certain wells for selected analyses in the interim monitoring program to provide additional data to assist in the determination of whether long-term monitoring would be necessary. Generally speaking, any wells that contained constituent concentrations near the values of the future Performance Standards (i.e., average concentrations ranging from greater than 50% of an applicable MCP Method 1 Standard to slightly above the standard) would have been retained for interim monitoring, but none of the GMA 4 wells met that criterion. In addition, selected wells/analyses were added to the interim monitoring program regardless of constituent concentrations relative to standards based on their inclusion in the OPCA groundwater quality monitoring program or location in areas of interest (e.g., downgradient of the till trough known to contain elevated TCE concentrations), or if constituent concentrations exhibited an increasing trend during the course of baseline monitoring. Groundwater quality monitoring was proposed to be discontinued at locations where

constituent concentrations were well below the applicable MCP Method 1 Standards, as it was apparent that such locations either would not or would be included in a long-term monitoring program.

Following revisions to the MCP that became effective on April 3, 2006, GE repeated that evaluation, comparing all baseline and interim groundwater quality data to the new ("Wave 2") MCP Method 1 Standards. Based on the same inclusion criteria utilized in fall 2003 at GMA 4 (and at the other GMAs once their two-year baseline monitoring periods expired), as noted in the EPA-approved Spring 2006 GMA 4 Groundwater Quality Report, GE concluded there no changes to the interim monitoring program were necessary at the time.

In light of the recent revisions to the MCP that became effective on February 14, 2008 and EPA's requirement that the Method 2 GW-3 standards for cobalt and copper developed for GMA 2 be implemented at all GMAs, GE has performed a similar evaluation to that conducted in 2006. Specifically, GE initially researched the GMA 4 database for any baseline analytical results where constituent concentrations of at least 50% of an applicable MCP Method 1 or Method 2 Standard were recorded. Any such locations/results were selected for further evaluation, consisting of a basic statistical evaluation of the constituents at each location, calculation of average concentrations, and a general review of concentrations over time to determine if an increasing trend may be present. Similar to the program re-evaluation performed in spring 2006, no wells requiring interim groundwater quality monitoring that are not already part of the interim or OPCA monitoring program were identified and no modifications to the interim monitoring program are proposed based on these evaluations.

However, as a new Method 1 GW-2 standard for PCBs has been promulgated in the 2008 MCP revision, GE evaluated the existing data from the GW-2 wells at GMA 4 to determine if additional sampling would be required to verify compliance with this new standard. As agreed with EPA, GE used filtered PCB results for this comparison. GE found that the existing PCB database for all dual-purpose GW-2/GW-3 monitoring wells was sufficient, but that the wells monitored solely for GW-2 compliance were not analyzed for PCBs during the baseline monitoring program, since no GW-2 standard for PCBs was in effect at the time the sampling was performed. As such, GE has proposed to conduct additional sampling for PCBs at two locations, wells GMA4-2 and GMA4-3. It should be noted that well GMA4-1 was also monitored as a GW-2 monitoring point during the initial baseline monitoring rounds. As approved by EPA, however, the GW-2 classification was determined to be inapplicable at this well based on an average depth to water of greater than 15 feet. Therefore, no PCB data collection is proposed at this well.

A summary of the proposed interim sampling program for GMA 4 is provided in Table 9, and the locations where sampling is proposed are illustrated on Figure 6.

The wells proposed to be sampled and analyzed for PCBs for comparison to the new GW-2 standard are proposed to be sampled on a semi-annual basis until four sets of PCB data have been collected. At that time, GE will evaluate the data and propose whether to discontinue additional sampling or to add the well to the ongoing interim or long-term monitoring program at GMA 4. As agreed with EPA, GE will analyze filtered groundwater samples for comparison with this GW-2 standard.

The modification to the interim sampling program discussed above (i.e., semi-annual analysis for PCBs at selected GW-2 monitoring wells) is proposed to be initiated in fall 2008. Additional details on the sampling and reporting schedule at GMA 4 are provided below.

5.3 Field Activities Schedule

GE anticipates that the fall 2008 interim sampling event will take place in October 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. GE will also initiate semi-annual sampling and PCB analysis of filtered samples from GW-2 monitoring wells GMA4-2 and GMA4-3 (proposed above), if approved by EPA.

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 October 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 fall 2008.

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.

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).

5.4 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 Fall 2008 Interim Groundwater Quality Report for GMA 4 by February 28, 2009, 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 July 2008 (excluding the July 2008 well replacement activities already presented in Section 2.4 above) and December 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 Spring 2008
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 Spring 2008
78-6	GW-3 Perimeter/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampled in Spring 2008.
GMA4-6	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampled in Spring 2008
H78B-15	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampled in Spring 2008
H78B-16	Supplemental Well for TCE Evaluation	Annual	VOC	Sampled in Spring 2008
H78B-17R	GW-3 Perimeter (Downgradient)	Annual	VOC	Sampled in Spring 2008
OPCA-MW-1R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Decommissioned in fall 2007, not sampled in spring 2008. Replacement well OCPA-MW-1RR installed July 8, 2008
OPCA-MW-2	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Decommissioned in fall 2007, not sampled in spring 2008. Replacement well OCPA-MW-2R installed July 9, 2008
OPCA-MW-3	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampled in Spring 2008
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 Spring 2008
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 Spring 2008
OPCA-MW-6	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampled in Spring 2008
OPCA-MW-7	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampled in Spring 2008
OPCA-MW-8	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Sampled in Spring 2008

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.

Table 2
Groundwater Elevation Monitoring Program Summary

Groundwater Quality Monitoring Interim Report for Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Well Number	Monitoring Schedule	Comments
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	
GMA4-1	Semi-Annual	
GMA4-2	Semi-Annual	
GMA4-3	Monthly	
GMA4-4	Quarterly	
GMA4-6	Quarterly	
H78B-13R	Semi-Annual	
H78B-16	Semi-Annual	
H78B-17	Semi-Annual	
H78B-17R	Semi-Annual	
NY-3	Quarterly	
NY-4	Quarterly	
OPCA-MW-1R	Quarterly	Decommissioned in fall 2007. Replacement well OCPA-MW-1RR installed July 8, 2008.
OPCA-MW-2	Quarterly	Decommissioned in fall 2007. Replacement well OCPA-MW-2R installed July 9, 2008.
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	
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 Adjacent to GMA 4 (see note 2)		
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 shown.
2. The Allendale School Property Monitoring Wells/Piezometers are monitored by EPA.

Table 3
Monitoring Well Construction Summary

Groundwater Quality Monitoring Interim Report for Spring 2008
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-1RR	535367.60	135561.10	2.00	1,016.80	1,016.46	18.0	10.0	998.80	988.80
OPCA-MW-2R	353176.60	135892.10	2.00	1,016.80	1,018.84	10.0	15.0	1,006.80	991.80
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-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 Spring 2008
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.
5. OCPA-MW-1RR and OCPA-MW-2 installed in July 2008 as replacements wells for OPCA-MW-1R and OPCA-MW-2.

Table 4
Groundwater Elevation Data - Winter/Spring 2008

Groundwater Quality Monitoring Interim Report for Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Well Number	Date Measured	Groundwater Elevation [1]
Winter 2007/2008 Monitoring Event		
78-1	1/15/2008	1,018.03
78-2	1/15/2008	1,023.48
78-6	1/15/2008	1,006.07
GMA4-3	1/15/2008	986.43
GMA4-4	1/15/2008	988.36
GMA4-6	1/15/2008	1,001.14
NY-3	1/15/2008	990.26
NY-4	1/15/2008	1,016.43
OPCA-MW-3	1/15/2008	994.21
OPCA-MW-4	1/15/2008	1,007.23
OPCA-MW-5R	1/15/2008	1,004.76
OPCA-MW-6	1/15/2008	1,006.34
OPCA-MW-7	1/15/2008	1,005.91
OPCA-MW-8	1/15/2008	1,017.66
SCH-4	1/15/2008	1,007.41
East Street Area 2 - North adjacent to GMA 4		
ES1-20	1/17/2008	988.45
Allendale School Property Monitoring Wells/Piezometers		
PZ-1	1/15/2008	1,003.34
PZ-2	1/15/2008	1,006.95
PZ-3	1/15/2008	1,010.00
PZ-4	1/15/2008	1,007.58
SCH-1	1/15/2008	1,010.96
Spring 2008 Monitoring Event		
060B-R	4/17/2008	989.69
78-1	4/17/2008	1018.85
78-2	4/17/2008	1028.76
78-3	4/17/2008	992.45
78-4	4/17/2008	987.12
78-5R	4/17/2008	992.56
78-6	4/21/2008	1005.4
GMA4-1	4/17/2008	990.14
GMA4-2	4/17/2008	994.44
GMA4-3	4/17/2008	988.04
GMA4-4	4/17/2008	990.96
GMA4-6	4/17/2008	1000.64
H78B-13R	4/17/2008	984.28
H78B-15	4/17/2008	999.38
H78B-16	4/17/2008	987.89
H78B-17	4/17/2008	986.37
H78B-17R	4/17/2008	987.57

Table 4
Groundwater Elevation Data - Winter/Spring 2008

Groundwater Quality Monitoring Interim Report for Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

Well Number	Date Measured	Groundwater Elevation [1]
NY-3	4/17/2008	991.56
NY-4	4/17/2008	1015.63
OPCA-MW-3	4/17/2008	995.55
OPCA-MW-4	4/17/2008	1007.49
OPCA-MW-5R	4/17/2008	1006.19
OPCA-MW-6	4/17/2008	1007.22
OPCA-MW-7	4/17/2008	1011.75
OPCA-MW-8	4/17/2008	1020.42
RF-14	4/17/2008	994.85
RF-15	4/17/2008	1000.74
SCH-4	4/17/2008	1006.52
UB-MW-5	4/17/2008	994.38
UB-MW-6	4/17/2008	1002.44
East Street Area 2 - North adjacent to GMA 4		
ES1-20	4/17/2008	991.13
Allendale School Property Monitoring Wells/Piezometers		
PZ-1	4/17/2008	1,002.31
PZ-2	4/17/2008	1,006.29
PZ-3	4/17/2008	1,010.13
PZ-4	4/17/2008	1,007.95
SCH-1	4/17/2008	1,011.65

Notes:

1. The elevation shown is in feet above mean sea level.
2. The data shown above was utilized in the preparation of the Winter 2007/2008 and Spring 2008 groundwater elevation contour maps for GMA 4. Other groundwater elevation data collected from January to June 2008 is provided in Appendix E.

Table 5
Field Parameter Measurements -Spring 2008

Groundwater Quality Monitoring Interim Report For Spring 2008
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	8.14	6.03	0.806	5	0.62	276.8
78-6	8.39	6.96	1.893	13	0.68	-38.6
GMA4-6	8.99	6.68	0.962	1	0.37	151.4
H78B-15	8.11	7.57	0.547	0	6.74	106.1
H78B-16	11.42	6.69	1.162	1	2.49	161.3
H78B-17R	11.77	7.21	1.364	1	0.87	129.6
OPCA-MW-3	10.64	6.72	0.727	14	0.68	62.3
OPCA-MW-4	8.39	6.33	1.184	7	0.61	249.6
OPCA-MW-5R	8.64	6.54	1.70	4	0.49	243.0
OPCA-MW-6	13.45	7.04	0.724	7	3.90	235.0
OPCA-MW-7	12.53	6.39	3.05	3	2.47	215.9
OPCA-MW-8	9.47	7.22	0.434	20	4.33	209.0

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. Monitoring wells OPCA-MW-1R and OPCA-MW-2 were decommissioned during late Fall 2007 prior to the sewer line rerouting. Replacement wells were installed in July 2008, but were not included in the sampling round.
4. SU - Standard Units
5. mS/cm - Millisiemens per centimeter
6. mV - Millivolts
7. mg/L - Milligrams per liter (ppm)

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

Groundwater Quality Interim Report For Spring 2008
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 04/23/08	OPCA-MW-4 04/22/08	OPCA-MW-5R 04/24/08
Volatile Organics				
1,1,1-Trichloroethane	4	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,1-Dichloroethane	1	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,2-Dichloroethane	0.005	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	0.2	ND(0.0010)	0.00012 J	0.00048 J
Chloroform	0.05	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	0.05	ND(0.0010)	ND(0.0010)	ND(0.0010)
trans-1,2-Dichloroethene	0.09	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichloroethene	0.03	ND(0.0010)	0.0014 J	ND(0.0010) J
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
Vinyl Chloride	0.002	ND(0.0010)	0.00032 J	0.0012 J
Total VOCs	5	ND(0.10)	0.0018 J	0.0017 J
PCBs-Filtered				
None Detected	--	--	--	--
Semivolatile Organics				
1,2,4-Trichlorobenzene	2	ND(0.0052)	0.0016 J	ND(0.0051)

Notes:

1. Samples were collected by ARCADIS 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 (approved March 15, 2007 and re-submitted March 30, 2007).
3. Only volatile , PCBs 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, PCBs, semivolatiles)
J - Indicates that the associated numerical value is an estimated concentration.
R - Data was rejected due to a deficiency in the data generation process.

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

Groundwater Quality Interim Report For Spring 2008
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 04/22/08	78-6 04/21/08
Volatile Organics			
1,1,1-Trichloroethane	20	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
1,1-Dichloroethane	20	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
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]
Chlorobenzene	1	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroform	20	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dibromochloromethane	50	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Tetrachloroethene	30	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) J	ND(0.0010) J [ND(0.0010) J]
Trichlorofluoromethane	Not Listed	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
Vinyl Chloride	50	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
PCBs-Filtered			
Aroclor-1254	Not Listed	ND(0.000066)	ND(0.000066) [ND(0.000067)]
Total PCBs	0.01	ND(0.000066)	ND(0.000066) [ND(0.000067)]
Semivolatile Organics			
1,2,4-Trichlorobenzene	50	ND(0.0052)	ND(0.0051) [ND(0.0052)]
bis(2-Ethylhexyl)phthalate	50	0.00094 J	ND(0.0051) [ND(0.0052)]
Furans			
2,3,7,8-TCDF	Not Listed	0.0000000045 J	0.0000000019 J [0.0000000032 J]
TCDFs (total)	Not Listed	0.000000027	0.000000028 [0.000000050]
1,2,3,7,8-PeCDF	Not Listed	0.0000000056 J	ND(0.0000000051) [ND(0.0000000051)]
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
PeCDFs (total)	Not Listed	0.0000000056 J	0.0000000052 J [0.0000000059 J]
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HxCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HpCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
OCDF	Not Listed	ND(0.000000010)	ND(0.000000010) [ND(0.000000010)]
Dioxins			
2,3,7,8-TCDD	Not Listed	ND(0.0000000012)	ND(0.0000000014) [ND(0.0000000010)]
TCDDs (total)	Not Listed	ND(0.0000000012)	ND(0.0000000014) [ND(0.0000000010)]
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
PeCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HxCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HpCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
OCDD	Not Listed	ND(0.000000010)	ND(0.000000010) [ND(0.000000010)]
Total TEQs (WHO TEFs)	0.0000001	0.0000000070	0.0000000067 [0.0000000067]
Inorganics-Unfiltered			
Sulfide	Not Applicable	1.10 J	ND(1.00) J [ND(1.00) J]
Inorganics-Filtered			
Barium	50	0.0174 B	0.0340 B [0.0353 B]
Beryllium	0.2	ND(0.0100) J	ND(0.0100) J
Chromium	0.3	0.00118 B	0.00209 B [ND(0.0100)]
Thallium	3	ND(0.0100) J	0.00625 J
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 Interim Report For Spring 2008
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	GMA4-6 04/21/08	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08
Volatile Organics					
1,1,1-Trichloroethane	20	ND(0.0010) J	ND(0.0010)	0.00077 J	ND(0.020)
1,1-Dichloroethane	20	ND(0.0010) J	ND(0.0010)	0.00018 J	ND(0.020)
1,2-Dichloroethane	20	ND(0.0010)	ND(0.0010)	0.00025 J	ND(0.020)
Acetone	50	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.10) J
Chlorobenzene	1	ND(0.0010)	ND(0.0010)	0.00089 J	ND(0.020)
Chloroform	20	0.0030	ND(0.0010)	0.00014 J	0.033
Dibromochloromethane	50	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.020)
Tetrachloroethene	30	ND(0.0010)	ND(0.0010)	0.00039 J	ND(0.020)
trans-1,2-Dichloroethene	50	ND(0.0010)	ND(0.0010)	0.00019 J	ND(0.020)
Trichloroethene	5	ND(0.0010) J	ND(0.0010)	0.038 J	0.082
Trichlorofluoromethane	Not Listed	ND(0.0010) J	ND(0.0010)	0.00062 J	ND(0.020)
Vinyl Chloride	50	ND(0.0010) J	ND(0.0010)	0.00075 J	ND(0.020)
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000068)	ND(0.000067) J	NA	NA
Total PCBs	0.01	ND(0.000068)	ND(0.000067) J	NA	NA
Semivolatile Organics					
1,2,4-Trichlorobenzene	50	ND(0.0052)	ND(0.0052)	NA	NA
bis(2-Ethylhexyl)phthalate	50	ND(0.0052)	ND(0.0052)	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.000000010)	ND(0.0000000033)	NA	NA
TCDFs (total)	Not Listed	ND(0.000000010)	ND(0.0000000033)	NA	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
PeCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
HxCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000052)	ND(0.0000000063)	NA	NA
HpCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000056)	NA	NA
OCDF	Not Listed	ND(0.000000011)	ND(0.000000031)	NA	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.000000010)	ND(0.0000000043)	NA	NA
TCDDs (total)	Not Listed	ND(0.000000010)	ND(0.0000000043)	NA	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
PeCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000053)	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000054)	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000055)	NA	NA
HxCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000054)	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000077)	ND(0.0000000074)	NA	NA
HpCDDs (total)	Not Listed	ND(0.0000000077)	ND(0.0000000074)	NA	NA
OCDD	Not Listed	ND(0.000000012)	ND(0.000000037)	NA	NA
Total TEQs (WHO TEFs)	0.0000001	0.000000011	0.0000000083	NA	NA
Inorganics-Unfiltered					
Sulfide	Not Applicable	1.00 J	ND(1.00)	NA	NA
Inorganics-Filtered					
Barium	50	ND(0.100)	ND(0.100)	NA	NA
Beryllium	0.2	ND(0.0100) J	0.000940 J	NA	NA
Chromium	0.3	ND(0.0100)	0.00134 B	NA	NA
Thallium	3	ND(0.0100) J	ND(0.0100) J	NA	NA
Zinc	0.9	0.00957 B	ND(0.0200)	NA	NA

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

Groundwater Quality Interim Report For Spring 2008
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-3 04/23/08	OPCA-MW-4 04/22/08	OPCA-MW-5R 04/24/08
Volatile Organics				
1,1,1-Trichloroethane	20	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,1-Dichloroethane	20	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
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
Chlorobenzene	1	ND(0.0010)	0.00012 J	0.00048 J
Chloroform	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	50	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	30	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)	0.0014 J	ND(0.0010) J
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
Vinyl Chloride	50	ND(0.0010)	0.00032 J	0.0012 J
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000066) J	ND(0.000068)	ND(0.000068) J
Total PCBs	0.01	ND(0.000066) J	ND(0.000068)	ND(0.000068) J
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	ND(0.0053)	0.0016 J	ND(0.0051)
bis(2-Ethylhexyl)phthalate	50	ND(0.0053)	ND(0.0052)	ND(0.0051)
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000049)	0.0000000094 J	0.0000000042 J
TCDFs (total)	Not Listed	ND(0.0000000049)	0.00000022	0.000000020
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	0.0000000074 J	ND(0.0000000052)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000066)	ND(0.0000000052)
PeCDFs (total)	Not Listed	ND(0.0000000052)	0.000000042 J	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
HxCDFs (total)	Not Listed	ND(0.0000000052)	0.000000011 J	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000053)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000067)	ND(0.0000000063)	ND(0.0000000052)
HpCDFs (total)	Not Listed	ND(0.0000000059)	ND(0.0000000055)	ND(0.0000000052)
OCDF	Not Listed	ND(0.000000012)	ND(0.000000013)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000054)	ND(0.0000000041)	ND(0.0000000010)
TCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000041)	ND(0.0000000010)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
PeCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000056)	ND(0.0000000052)
HxCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000077)	ND(0.0000000085)	ND(0.0000000052)
HpCDDs (total)	Not Listed	ND(0.0000000077)	ND(0.0000000085)	ND(0.0000000052)
OCDD	Not Listed	ND(0.000000012)	ND(0.000000016)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000001	0.0000000089	0.0000000095	0.0000000068
Inorganics-Unfiltered				
Sulfide	Not Applicable	ND(1.00)	1.00 J	ND(1.00) J
Inorganics-Filtered				
Barium	50	0.0277 B	0.00975 B	0.0609 B
Beryllium	0.2	0.00548 J	ND(0.0100) J	0.00251 J
Chromium	0.3	0.00224 B	0.00150 B	0.00134 B
Thallium	3	0.00638 J	0.00936 J	ND(0.0100) J
Zinc	0.9	ND(0.0200)	0.0112 B	0.00643 B

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

Groundwater Quality Interim Report For Spring 2008
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-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
Volatile Organics				
1,1,1-Trichloroethane	20	ND(0.0010)	ND(0.0010) J	ND(0.0010)
1,1-Dichloroethane	20	ND(0.0010)	ND(0.0010) J	ND(0.0010)
1,2-Dichloroethane	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	50	0.0015 J	ND(0.0050) J	ND(0.0050) J
Chlorobenzene	1	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	20	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	50	ND(0.0010)	0.00014 J	ND(0.0010)
Tetrachloroethene	30	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) J	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Vinyl Chloride	50	ND(0.0010)	ND(0.0010) J	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	0.00017 J	ND(0.000068)	0.00019 J
Total PCBs	0.01	0.00017 J	ND(0.000068)	0.00019 J
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Ethylhexyl)phthalate	50	ND(0.0051)	ND(0.0052)	0.0011 J
Furans				
2,3,7,8-TCDF	Not Listed	0.0000000044 J	ND(0.0000000012)	ND(0.0000000050)
TCDFs (total)	Not Listed	0.0000000073 J	ND(0.0000000012)	0.000000017
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
PeCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
HxCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000060)
HpCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000053)
OCDF	Not Listed	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000022)	ND(0.0000000014)	ND(0.0000000044)
TCDDs (total)	Not Listed	ND(0.0000000022)	ND(0.0000000014)	ND(0.0000000044)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
PeCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
HxCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000060)	ND(0.0000000052)	ND(0.0000000085)
HpCDDs (total)	Not Listed	ND(0.0000000060)	ND(0.0000000052)	ND(0.0000000085)
OCDD	Not Listed	ND(0.000000010)	ND(0.000000010)	0.000000017 J
Total TEQs (WHO TEFs)	0.0000001	0.0000000073	0.0000000067	0.0000000084
Inorganics-Unfiltered				
Sulfide	Not Applicable	ND(1.00)	1.00 J	ND(1.00)
Inorganics-Filtered				
Barium	50	0.00804 B	0.0276 B	0.00521 B
Beryllium	0.2	ND(0.0100) J	ND(0.0100) J	0.00141 J
Chromium	0.3	0.00179 B	0.00134 B	0.00210 B
Thallium	3	0.00656 J	0.0148 J	0.00674 J
Zinc	0.9	ND(0.0200)	0.0178 B	0.298

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

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS 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 (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.

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.

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

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

Groundwater Quality Interim Report For Spring 2008
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 04/22/08	78-6 04/21/08
Volatile Organics			
1,1,1-Trichloroethane	100	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
1,1-Dichloroethane	100	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
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]
Chlorobenzene	10	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroform	100	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Dibromochloromethane	100	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Tetrachloroethene	100	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) J	ND(0.0010) J [ND(0.0010) J]
Trichlorofluoromethane	Not Listed	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
Vinyl Chloride	100	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]
PCBs-Filtered			
Aroclor-1254	Not Listed	ND(0.000066)	ND(0.000066) [ND(0.000067)]
Total PCBs	0.1	ND(0.000066)	ND(0.000066) [ND(0.000067)]
Semivolatile Organics			
1,2,4-Trichlorobenzene	100	ND(0.0052)	ND(0.0051) [ND(0.0052)]
bis(2-Ethylhexyl)phthalate	100	0.00094 J	ND(0.0051) [ND(0.0052)]
Furans			
2,3,7,8-TCDF	Not Listed	0.0000000045 J	0.0000000019 J [0.0000000032 J]
TCDFs (total)	Not Listed	0.000000027	0.000000028 [0.000000050]
1,2,3,7,8-PeCDF	Not Listed	0.0000000056 J	ND(0.0000000051) [ND(0.0000000051)]
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
PeCDFs (total)	Not Listed	0.0000000056 J	0.0000000052 J [0.0000000059 J]
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HxCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HpCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
OCDF	Not Listed	ND(0.000000010)	ND(0.000000010) [ND(0.000000010)]
Dioxins			
2,3,7,8-TCDD	Not Listed	ND(0.0000000012)	ND(0.0000000014) [ND(0.0000000010)]
TCDDs (total)	Not Listed	ND(0.0000000012)	ND(0.0000000014) [ND(0.0000000010)]
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
PeCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HxCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
HpCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]
OCDD	Not Listed	ND(0.000000010)	ND(0.000000010) [ND(0.000000010)]
Total TEQs (WHO TEFs)	0.000001	0.0000000070	0.0000000067 [0.0000000067]
Inorganics-Unfiltered			
Sulfide	Not Listed	1.10 J	ND(1.00) J [ND(1.00) J]
Inorganics-Filtered			
Barium	100	0.0174 B	0.0340 B [0.0353 B]
Beryllium	2	ND(0.0100) J	ND(0.0100) J
Chromium	3	0.00118 B	0.00209 B [ND(0.0100)]
Thallium	30	ND(0.0100) J	0.00625 J
Zinc	50	ND(0.0200)	ND(0.0200) [ND(0.0200)]

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

Groundwater Quality Interim Report For Spring 2008
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	GMA4-6 04/21/08	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08
Volatile Organics					
1,1,1-Trichloroethane	100	ND(0.0010) J	ND(0.0010)	0.00077 J	ND(0.020)
1,1-Dichloroethane	100	ND(0.0010) J	ND(0.0010)	0.00018 J	ND(0.020)
1,2-Dichloroethane	100	ND(0.0010)	ND(0.0010)	0.00025 J	ND(0.020)
Acetone	100	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.10) J
Chlorobenzene	10	ND(0.0010)	ND(0.0010)	0.00089 J	ND(0.020)
Chloroform	100	0.0030	ND(0.0010)	0.00014 J	0.033
Dibromochloromethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.020)
Tetrachloroethene	100	ND(0.0010)	ND(0.0010)	0.00039 J	ND(0.020)
trans-1,2-Dichloroethene	100	ND(0.0010)	ND(0.0010)	0.00019 J	ND(0.020)
Trichloroethene	50	ND(0.0010) J	ND(0.0010)	0.038 J	0.082
Trichlorofluoromethane	Not Listed	ND(0.0010) J	ND(0.0010)	0.00062 J	ND(0.020)
Vinyl Chloride	100	ND(0.0010) J	ND(0.0010)	0.00075 J	ND(0.020)
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000068)	ND(0.000067) J	NA	NA
Total PCBs	0.1	ND(0.000068)	ND(0.000067) J	NA	NA
Semivolatile Organics					
1,2,4-Trichlorobenzene	100	ND(0.0052)	ND(0.0052)	NA	NA
bis(2-Ethylhexyl)phthalate	100	ND(0.0052)	ND(0.0052)	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.000000010)	ND(0.0000000033)	NA	NA
TCDFs (total)	Not Listed	ND(0.000000010)	ND(0.0000000033)	NA	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
PeCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
HxCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000052)	ND(0.0000000063)	NA	NA
HpCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000056)	NA	NA
OCDF	Not Listed	ND(0.000000011)	ND(0.000000031)	NA	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.000000010)	ND(0.0000000043)	NA	NA
TCDDs (total)	Not Listed	ND(0.000000010)	ND(0.0000000043)	NA	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
PeCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000052)	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000053)	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000054)	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000055)	NA	NA
HxCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000054)	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000077)	ND(0.0000000074)	NA	NA
HpCDDs (total)	Not Listed	ND(0.0000000077)	ND(0.0000000074)	NA	NA
OCDD	Not Listed	ND(0.000000012)	ND(0.000000037)	NA	NA
Total TEQs (WHO TEFs)	0.000001	0.000000011	0.0000000083	NA	NA
Inorganics-Unfiltered					
Sulfide	Not Listed	1.00 J	ND(1.00)	NA	NA
Inorganics-Filtered					
Barium	100	ND(0.100)	ND(0.100)	NA	NA
Beryllium	2	ND(0.0100) J	0.000940 J	NA	NA
Chromium	3	ND(0.0100)	0.00134 B	NA	NA
Thallium	30	ND(0.0100) J	ND(0.0100) J	NA	NA
Zinc	50	0.00957 B	ND(0.0200)	NA	NA

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

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample ID: / Parameter / Date Collected:	MCP UCL for GroundWater	OPCA-MW-3 04/23/08	OPCA-MW-4 04/22/08	OPCA-MW-5R 04/24/08
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
1,1-Dichloroethane	100	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
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
Chlorobenzene	10	ND(0.0010)	0.00012 J	0.00048 J
Chloroform	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	100	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)	0.0014 J	ND(0.0010) J
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010) J
Vinyl Chloride	100	ND(0.0010)	0.00032 J	0.0012 J
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000066) J	ND(0.000068)	ND(0.000068) J
Total PCBs	0.1	ND(0.000066) J	ND(0.000068)	ND(0.000068) J
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	ND(0.0053)	0.0016 J	ND(0.0051)
bis(2-Ethylhexyl)phthalate	100	ND(0.0053)	ND(0.0052)	ND(0.0051)
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000049)	0.0000000094 J	0.0000000042 J
TCDFs (total)	Not Listed	ND(0.0000000049)	0.00000022	0.000000020
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	0.0000000074 J	ND(0.0000000052)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000066)	ND(0.0000000052)
PeCDFs (total)	Not Listed	ND(0.0000000052)	0.000000042 J	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
HxCDFs (total)	Not Listed	ND(0.0000000052)	0.000000011 J	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000053)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000067)	ND(0.0000000063)	ND(0.0000000052)
HpCDFs (total)	Not Listed	ND(0.0000000059)	ND(0.0000000055)	ND(0.0000000052)
OCDF	Not Listed	ND(0.000000012)	ND(0.000000013)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000054)	ND(0.0000000041)	ND(0.0000000010)
TCDDs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000041)	ND(0.0000000010)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
PeCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000052)	ND(0.0000000056)	ND(0.0000000052)
HxCDDs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000077)	ND(0.0000000085)	ND(0.0000000052)
HpCDDs (total)	Not Listed	ND(0.0000000077)	ND(0.0000000085)	ND(0.0000000052)
OCDD	Not Listed	ND(0.000000012)	ND(0.000000016)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.000001	0.0000000089	0.0000000095	0.0000000068
Inorganics-Unfiltered				
Sulfide	Not Listed	ND(1.00)	1.00 J	ND(1.00) J
Inorganics-Filtered				
Barium	100	0.0277 B	0.00975 B	0.0609 B
Beryllium	2	0.00548 J	ND(0.0100) J	0.00251 J
Chromium	3	0.00224 B	0.00150 B	0.00134 B
Thallium	30	0.00638 J	0.00936 J	ND(0.0100) J
Zinc	50	ND(0.0200)	0.0112 B	0.00643 B

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

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample ID: / Parameter / Date Collected:	MCP UCL for GroundWater	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010)	ND(0.0010) J	ND(0.0010)
1,1-Dichloroethane	100	ND(0.0010)	ND(0.0010) J	ND(0.0010)
1,2-Dichloroethane	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	100	0.0015 J	ND(0.0050) J	ND(0.0050) J
Chlorobenzene	10	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	100	ND(0.0010)	0.00014 J	ND(0.0010)
Tetrachloroethene	100	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) J	ND(0.0010)
Trichlorofluoromethane	Not Listed	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Vinyl Chloride	100	ND(0.0010)	ND(0.0010) J	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	0.00017 J	ND(0.000068)	0.00019 J
Total PCBs	0.1	0.00017 J	ND(0.000068)	0.00019 J
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Ethylhexyl)phthalate	100	ND(0.0051)	ND(0.0052)	0.0011 J
Furans				
2,3,7,8-TCDF	Not Listed	0.0000000044 J	ND(0.0000000012)	ND(0.0000000050)
TCDFs (total)	Not Listed	0.0000000073 J	ND(0.0000000012)	0.000000017
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
PeCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
HxCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000060)
HpCDFs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000053)
OCDF	Not Listed	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000022)	ND(0.0000000014)	ND(0.0000000044)
TCDDs (total)	Not Listed	ND(0.0000000022)	ND(0.0000000014)	ND(0.0000000044)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
PeCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
HxCDDs (total)	Not Listed	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000060)	ND(0.0000000052)	ND(0.0000000085)
HpCDDs (total)	Not Listed	ND(0.0000000060)	ND(0.0000000052)	ND(0.0000000085)
OCDD	Not Listed	ND(0.000000010)	ND(0.000000010)	0.000000017 J
Total TEQs (WHO TEFs)	0.000001	0.0000000073	0.0000000067	0.0000000084
Inorganics-Unfiltered				
Sulfide	Not Listed	ND(1.00)	1.00 J	ND(1.00)
Inorganics-Filtered				
Barium	100	0.00804 B	0.0276 B	0.00521 B
Beryllium	2	ND(0.0100) J	ND(0.0100) J	0.00141 J
Chromium	3	0.00179 B	0.00134 B	0.00210 B
Thallium	30	0.00656 J	0.0148 J	0.00674 J
Zinc	50	ND(0.0200)	0.0178 B	0.298

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

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS 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 (approved March 15, 2007 and re-submitted March 30, 2007).
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. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.

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.

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

Table 9
Proposed Interim Groundwater Quality Monitoring Program

Groundwater Quality Monitoring Interim Report For Spring 2008
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.
GMA4-2	GW-2 Sentinel	Semi-Annual	PCB	PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
GMA4-3	GW-2 Sentinel	Semi-Annual	PCB	PCB analyses proposed to evaluate compliance with new MCP GW-2 standard.
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 - Fall 2009	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 fall 2009.
H78B-17R	GW-3 Perimeter (Downgradient)	Annual - Fall 2009	VOC	
OPCA-MW-1RR	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well to be added OPCA groundwater quality monitoring program network as replacement for well OPCA-MW-1R.
OPCA-MW-2R	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well to be added OPCA groundwater quality monitoring program network as replacement for well OPCA-MW-2.
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)	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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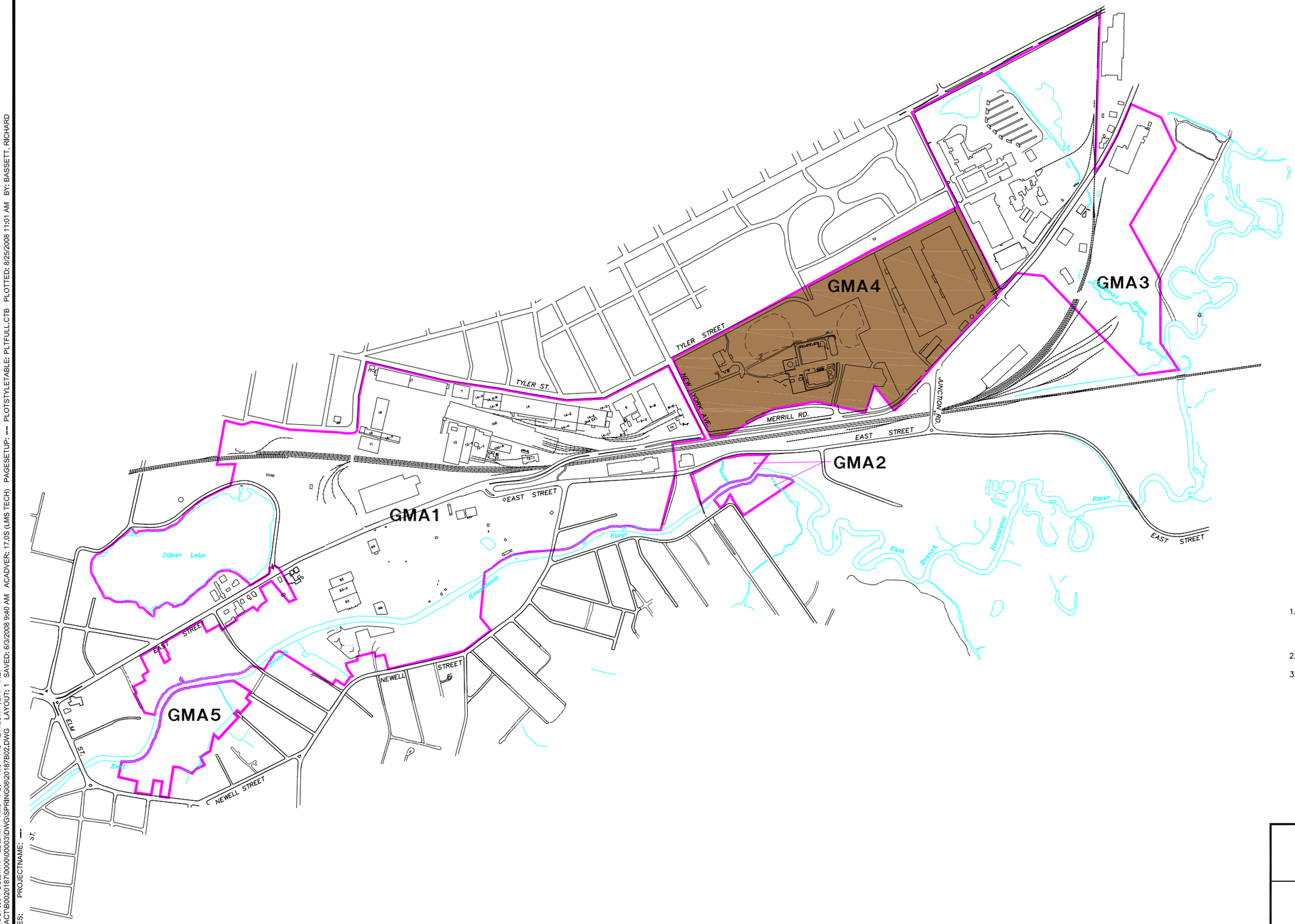
Figures



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:\CADGE-CAD\C-ACT\B0020187\0000\00003\DWG\SPRING08\20187B02.DWG LAYOUT: 1 SAVED: 6/3/2008 9:40 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 8/25/2008 11:01 AM BY: BASSETT, RICHARD
XREFS: IMAGES: PROJECTNAME: --- 3;
20187X00
20187X10

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 IN FALL 2007. REPLACEMENT WELLS OPCA–MW–1RR AND OPCA–MW–2R WERE INSTALLED IN JULY 2008.

CONNECTICUT AVE.
VIRGINIA AVE.
CALIFORNIA AVE.
PLASTICS AVE.
ALLENDALE SCHOOL
ALLENDALE SCHOOL PROPERTY
TYLER STREET EXTENSION
NEW YORK AVE.
MERRILL ROAD
BUILDING 71 OPCA EXPANSION (APPROXIMATE LOCATION)
HILL 78 OPCA (APPROXIMATE EXISTING BOUNDARY)
BUILDING 71 OPCA (APPROXIMATE EXISTING BOUNDARY)
PARKING LOT
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
OP–1
OP–2
78
78–2
73
14–E

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

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

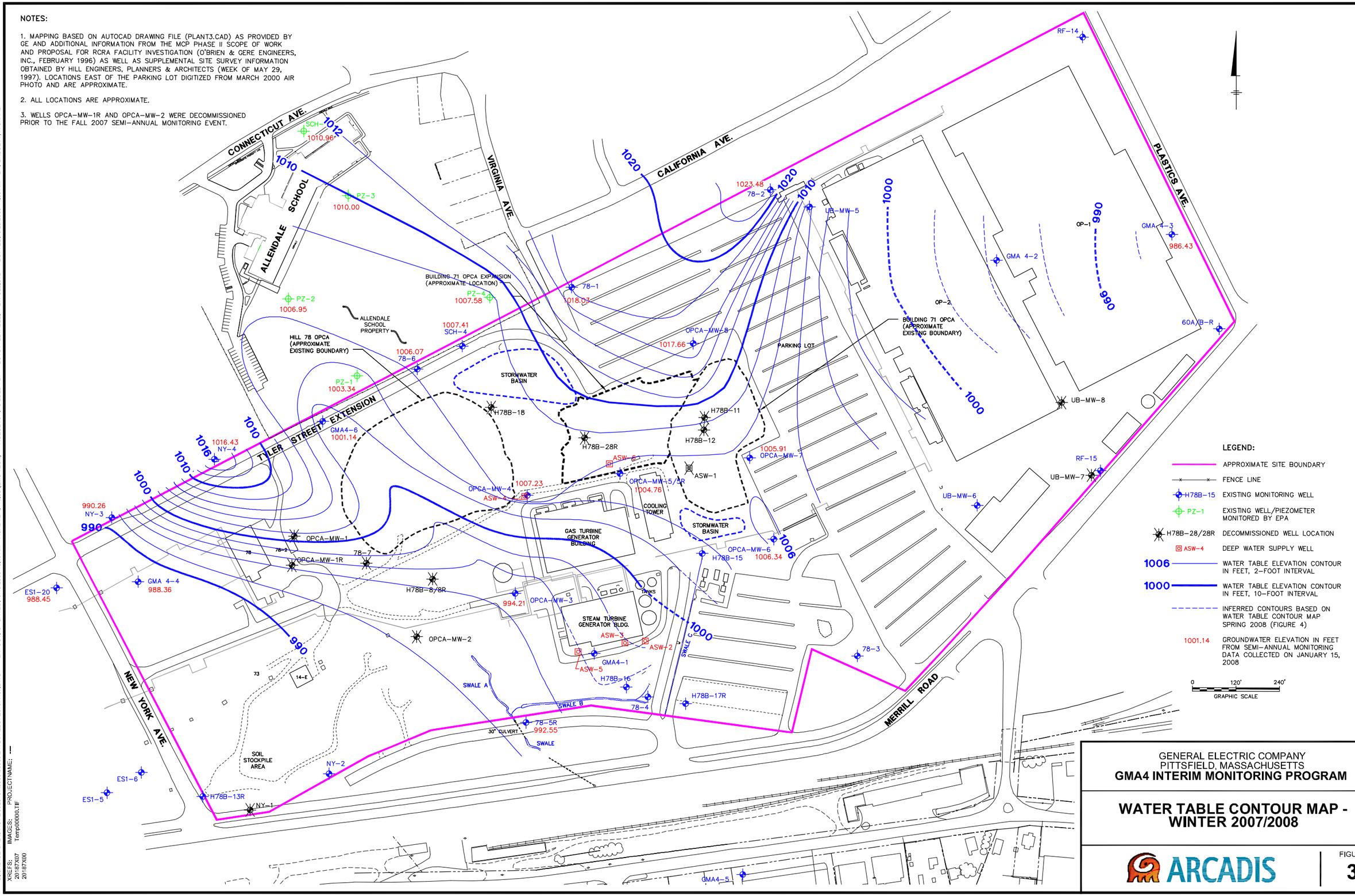
FIGURE 2

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.



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
- 1006 WATER TABLE ELEVATION CONTOUR IN FEET, 2–FOOT INTERVAL
- 1000 WATER TABLE ELEVATION CONTOUR IN FEET, 10–FOOT INTERVAL
- INFERRED CONTOURS BASED ON WATER TABLE CONTOUR MAP SPRING 2008 (FIGURE 4)
- 1001.14 GROUNDWATER ELEVATION IN FEET FROM SEMI–ANNUAL MONITORING DATA COLLECTED ON JANUARY 15, 2008

0 120' 240'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA4 INTERIM MONITORING PROGRAM

WATER TABLE CONTOUR MAP - WINTER 2007/2008

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.

CONNECTICUT AVE.
VIRGINIA AVE.
CALIFORNIA AVE.
PLASTICS AVE.
ALLENDALE SCHOOL
TYLER STREET EXTENSION
NEW YORK AVE.
MERRILL ROAD
SCH-1
1011.65
PZ-3
1010.13
PZ-2
1006.29
PZ-4
1007.95
BUILDING 71 OPCA EXPANSION (APPROXIMATE LOCATION)
ALLENDALE SCHOOL PROPERTY
HILL 78 OPCA (APPROXIMATE EXISTING BOUNDARY)
SCH-4
1006.52
78-6
1005.40
PZ-1
1002.31
GMA4-6
1000.64
NY-4
1015.63
78-1
1018.85
1028.76
78-2
994.38
UB-MW-5
RF-14
994.85
OP-1
GMA 4-3
988.04
GMA 4-2
994.44
OP-2
BUILDING 71 OPCA (APPROXIMATE EXISTING BOUNDARY)
989.69
60A/B-R
OPCA-MW-8
1020.42
PARKING LOT
STORMWATER BASIN
H78B-18
H78B-11
H78B-12
H78B-28R
ASW-6
ASW-1
OPCA-MW-7
1011.75
1007.49
OPCA-MW-4
ASW-4
OPCA-MW-5/5R
1006.19
COOLING TOWER
UB-MW-8
RF-15
1000.74
UB-MW-7
UB-MW-6
1002.44
NY-3
991.56
OPCA-MW-1
78
78-2
OPCA-MW-1R
78-7
GAS TURBINE GENERATOR BUILDING
STORMWATER BASIN
1007.22
OPCA-MW-6
H78B-15
999.38
ES1-20
991.13
GMA 4-4
990.96
H78B-8/8R
995.55
OPCA-MW-3
TANKS
STEAM TURBINE GENERATOR BLDG.
ASW-3
990.11
ASW-2
OPCA-MW-2
GMA4-1
ASW-5
SWALE A
SWALE B
SWALE C
78-5R
992.56
30" CULVERT
SWALE
78-3
992.45
H78B-16
987.89
H78B-17R
987.57
78-4
987.12
SOIL STOCKPILE AREA
NY-2
ES1-6
ES1-5
987.53
H78B-13R
984.28
NY-1
GMA4-5

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
- 1006 WATER TABLE ELEVATION CONTOUR IN FEET, 2-FOOT INTERVAL
- 1000 WATER TABLE ELEVATION CONTOUR IN FEET, 10-FOOT INTERVAL
- INFERRED WATER TABLE ELEVATION CONTOUR BASED ON COLLECTED DATA
- 1000.74 GROUNDWATER ELEVATION IN FEET FROM SEMI-ANNUAL MONITORING AND EPA DATA COLLECTED ON APRIL 17, 2008

0 120' 240'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA4 INTERIM MONITORING PROGRAM

WATER TABLE CONTOUR MAP - SPRING 2008

ARCADIS

FIGURE 4

CITY:SYR DIV/GROUP: 141 DB:DMW RCB LD: DMW AM: PD: TM: TR: LYR:ON=*;OFF=*REF*
G:\CADGE-CAD\C-ACTIB\00201187\0000000003\DWG\SPRING08\2018TW08.DWG LAYOUT: 4 SAVED: 8/18/2008 5:45 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---
XREFS: 2018TX07 2018TX05 2018TX00
IMAGES: Temp000000.TIF PROJECTNAME: ---
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 8/25/2008 10:52 AM BY: BASSETT, RICHARD

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)
BUILDING 71 OPCA
PARKING LOT
OP-1
OP-2
GAS TURBINE GENERATOR BUILDING
STEAM TURBINE GENERATOR BLDG
COOLING TOWER
STORMWATER BASIN
STORMWATER BASIN
SOIL STOCKPILE AREA
SWALE A
SWALE B
SWALE C
30" CULVERT
SWALE
TANKS
78
73
14-E

RF-14 (985.6)
78-2 (1032.9)
UB-MW-5 (1004.3)
78-1 (1015.4)
GMA 4-2
GMA 4-3
60A/B-R (<979))
SCH-4
H78B-21 (1006.7)
78-6 (999.1)
OPCA-MW-8 (1021.9)
OPCA-6 (1022.4)
H78B-19 (1005.4)
OPCA-9 (1002.0)
(<1001.2) OPCA-1
H78B-18 (996.6)
H78B-11
OPCA-5 (1011.5)
OPCA-7 (1011.4)
H78B-12 (1014.4)
(1004.4) H78B-28R
ASW-6
(996.6) ASW-1
OPCA-MW-7 (1009.9)
UB-MW-8 (1001.0)
RF-15 (995.3)
UB-MW-7 (998.1)
UB-MW-6 (1006.3)
(1020.8) NY-4
GMA 4-5
H78B-20 (<993.1)
(<997.2) OPCA-MW-4
ASW-4
(<1004.6) OPCA-4
OPCA-8 (999.3)
(995.8)
OPCA-MW-6 (<997.7)
H78B-15
NY-3 (989.8)
(1008.9) H78B-24
OPCA-2 (<995.7)
OPCA-MW-1 (1003.1)
OPCA-MW-1R (1003.0)
78-7
H78B-25 (1007.9)
OPCA-3 (<1004.6)
H78B-8/8R (<993)
(980) RA9-1
(978.2) RA9-2
OPCA-MW-3 (<987.3)
(<993.8) OPCA-MW-2
ASW-3
ASW-2 (985.3)
GMA4-1
ASW-5
H78B-27 (1002.3)
H78B-16 (984.7) (982.2)
H78B-03
H78B-17R (985.2)
78-4 (982.5)
78-5R (985.4)
78-3 (994.6)
ES1-20 (<980)
GMA 4-4 (983.8)
ES1-6 (964.6)
ES1-5
H78B-13R (967.8)
NY-1
(980.9) NY-2

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

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FIGURE
5

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.
CALIFORNIA AVE.
VIRGINIA 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
78-2
14-E
73

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

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
- PROPOSED SEMI-ANNUAL SAMPLING
- PROPOSED ANNUAL SAMPLING

0 120' 240'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA4 INTERIM MONITORING PROGRAM

PROPOSED MONITORING PROGRAM

ARCADIS

FIGURE
6

CITY: SYRACUSE GROUP: ENV-141 DB: DMW PGL RCB LD: DMW PM: R.BATES LYR ON=*;OFF=*REF
G:\CAD\GE-CAD\C-ACT\00201870\0000000005\DWG\20187B04.DWG LAYOUT: 6 SAVED: 8/25/2008 2:55 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: C-LD2B-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 8/25/2008 2:55 PM BY: BASSETT, RICHARD
XREFS: 20187X07 20187X00 IMAGES: PROJECTNAME: —

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Appendices

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Appendix A

Groundwater Elevation/NAPL
Monitoring Data – Spring 2008

Table A-1
Spring 2008 Groundwater Elevation Data

Groundwater Management Area 4
Groundwater Quality Monitoring Interim Report For Spring 2008
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	4/17/2008	Could not locate		--	NA
060B-R	1,002.79	4/17/2008	13.10	0.00	0.00	989.69
78-1	1,026.32	1/15/2008	8.29	0.00	0.00	1,018.03
78-1	1,026.32	4/17/2008	7.47	0.00	0.00	1,018.85
78-1	1,026.32	4/22/2008	8.11	0.00	0.00	1,018.21
78-2	1,033.96	1/15/2008	10.48	0.00	0.00	1,023.48
78-2	1,033.96	4/17/2008	5.20	0.00	0.00	1,028.76
78-3	1,007.13	4/17/2008	14.68	0.00	0.00	992.45
78-4	998.55	4/17/2008	11.43	0.00	0.00	987.12
78-5R	997.36	4/17/2008	4.80	0.00	0.00	992.56
78-6	1,012.00	1/15/2008	5.93	0.00	0.00	1,006.07
78-6	1,012.00	4/17/2008	6.60	0.00	0.00	1,005.40
78-6	1,012.00	4/21/2008	7.41	0.00	0.00	1,004.59
GMA4-1	1,012.35	4/17/2008	22.21	0.00	0.00	990.14
GMA4-2	1,006.22	4/17/2008	11.78	0.00	0.00	994.44
GMA4-3	1,003.95	1/15/2008	17.52	0.00	0.00	986.43
GMA4-3	1,003.95	2/26/2008	18.70	0.00	0.00	985.25
GMA4-3	1,003.95	3/26/2008	16.00	0.00	0.00	987.95
GMA4-3	1,003.95	4/17/2008	15.91	0.00	0.00	988.04
GMA4-3	1,003.95	5/20/2008	16.80	0.00	0.00	987.15
GMA4-3	1,003.95	6/24/2008	17.40	0.00	0.00	986.55
GMA4-4	999.64	1/15/2008	11.28	0.00	0.00	988.36
GMA4-4	999.64	4/17/2008	8.68	0.00	0.00	990.96
GMA4-6	1,009.12	1/15/2008	7.98	0.00	0.00	1,001.14
GMA4-6	1,009.12	4/17/2008	8.48	0.00	0.00	1,000.64
GMA4-6	1,009.12	4/21/2008	8.80	0.00	0.00	1,000.32
H78B-13R	992.93	4/17/2008	8.65	0.00	0.00	984.28
H78B-15	1,012.68	4/17/2008	13.30	0.00	0.00	999.38
H78B-15	1,012.68	4/23/2008	13.72	0.00	0.00	998.96
H78B-16	999.33	4/17/2008	11.44	0.00	0.00	987.89
H78B-16	999.33	4/22/2008	11.74	0.00	0.00	987.59
H78B-17	1,002.54	4/17/2008	16.17	0.00	0.00	986.37
H78B-17R	1,000.31	4/17/2008	12.74	0.00	0.00	987.57
H78B-17R	1,000.31	4/22/2008	12.92	0.00	0.00	987.39
NY-3	1,005.49	1/15/2008	15.23	0.00	0.00	990.26
NY-3	1,005.49	4/17/2008	13.93	0.00	0.00	991.56

Table A-1
Spring 2008 Groundwater Elevation Data

Groundwater Management Area 4
Groundwater Quality Monitoring Interim Report For Spring 2008
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)
NY-4	1,024.24	1/15/2008	7.81	0.00	0.00	1,016.43
NY-4	1,024.24	4/17/2008	8.61	0.00	0.00	1,015.63
OPCA-MW-3	1,014.83	1/15/2008	20.62	0.00	0.00	994.21
OPCA-MW-3	1,014.83	4/17/2008	19.28	0.00	0.00	995.55
OPCA-MW-3	1,014.83	4/23/2008	19.31	0.00	0.00	995.52
OPCA-MW-4	1,018.67	1/15/2008	11.44	0.00	0.00	1,007.23
OPCA-MW-4	1,018.67	4/17/2008	11.18	0.00	0.00	1,007.49
OPCA-MW-4	1,018.67	4/22/2008	11.17	0.00	0.00	1,007.50
OPCA-MW-5R	1,016.34	1/15/2008	11.58	0.00	0.00	1,004.76
OPCA-MW-5R	1,016.34	4/17/2008	10.15	0.00	0.00	1,006.19
OPCA-MW-5R	1,016.34	4/24/2008	10.37	0.00	0.00	1,005.97
OPCA-MW-6	1,022.31	1/15/2008	15.97	0.00	0.00	1,006.34
OPCA-MW-6	1,022.31	4/17/2008	15.09	0.00	0.00	1,007.22
OPCA-MW-6	1,022.31	4/23/2008	15.32	0.00	0.00	1,006.99
OPCA-MW-7	1,026.57	1/15/2008	20.66	0.00	0.00	1,005.91
OPCA-MW-7	1,026.57	4/17/2008	14.82	0.00	0.00	1,011.75
OPCA-MW-7	1,026.57	4/21/2008	14.62	0.00	0.00	1,011.95
OPCA-MW-8	1,027.40	1/15/2008	9.74	0.00	0.00	1,017.66
OPCA-MW-8	1,027.40	4/17/2008	6.98	0.00	0.00	1,020.42
OPCA-MW-8	1,027.40	4/23/2008	7.54	0.00	0.00	1,019.86
RF-14	1,001.59	4/17/2008	6.74	0.00	0.00	994.85
RF-15	1,011.80	4/17/2008	11.06	0.00	0.00	1,000.74
SCH-4	1,014.05	1/15/2008	6.64	0.00	0.00	1,007.41
SCH-4	1,014.05	4/17/2008	7.53	0.00	0.00	1,006.52
UB-MW-5	1,006.06	4/17/2008	11.68	0.00	0.00	994.38
UB-MW-6	1,019.79	4/17/2008	17.35	0.00	0.00	1,002.44
Allendale School Property Monitoring Wells/Piezometers						
PZ-1	1005.60	1/15/2008	2.26	0.00	0.00	1,003.34
PZ-1	1005.60	4/17/2008	3.29	0.00	0.00	1,002.31
PZ-2	1009.89	1/15/2008	2.94	0.00	0.00	1,006.95
PZ-2	1009.89	4/17/2008	3.60	0.00	0.00	1,006.29
PZ-3	1010.43	1/15/2008	0.43	0.00	0.00	1,010.00
PZ-3	1010.43	4/17/2008	0.30	0.00	0.00	1,010.13
PZ-4	1007.96	1/15/2008	0.38	0.00	0.00	1,007.58
PZ-4	1007.96	4/17/2008	0.01	0.00	0.00	1,007.95
SCH-1	1017.11	1/15/2008	6.15	0.00	0.00	1,010.96
SCH-1	1017.11	4/17/2008	5.46	0.00	0.00	1,011.65

Table A-1
Spring 2008 Groundwater Elevation Data

Groundwater Management Area 4
Groundwater Quality Monitoring Interim Report For Spring 2008
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)
East Street Area 2 - North (Groundwater Management Area 1)						
ES1-20	1,001.56	1/17/2008	13.11	0.00	0.00	988.45
ES1-20	1,001.56	4/17/2008	10.43	0.00	0.00	991.13

Notes:

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

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Appendix B

Field Sampling Data

Table B-1
Groundwater Sampling Methods

Groundwater Management Area 4
Groundwater Quality Monitoring Interim Report For Spring 2008
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-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 B-2
Summary Of Historical Groundwater Sampling Methods

Groundwater Management Area 4
Groundwater Quality Monitoring Interim Report For Spring 2008
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	Spring 2008
78-1	PP/BA	PP	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	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	PP
H78B-15	PP/BA	BP	PP	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	PP
H78B-17R	BP	PP	BP	BP	BP	NS	NS	BP	BP	--	--	BP	PP
	Fall 2002: Dissolved oxygen meter malfunction.												
OPCA-MW-3	BP	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	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	BP
	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	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	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 B-2
Summary Of Historical Groundwater Sampling Methods

Groundwater Management Area 4
Groundwater Quality Monitoring Interim Report For Spring 2008
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	Spring 2008
OPCA-MW-8	BP	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. -
PID Background (ppm) -
Well Headspace (ppm) -

Site/GMA Name GMA 4, GE Pittsfield
Sampling Personnel ICIC, DRA
Date 4/22/08
Weather Sunny 50's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point -2" Meas. From Ground TOC
Well Diameter 4"
Screen Interval Depth 8-23 Meas. From Ground TIC
Water Table Depth 8.11 Meas. From TIC
Well Depth 22.19 Meas. From TIC
Length of Water Column 14.08'
Volume of Water in Well 9.19 gallons
Intake Depth of Pump/Tubing 14" Meas. From TIC

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

Redevelop? Y (N)

Sample Time 0950
Sample ID 78-1
Duplicate ID —
MS/MSD 78-1 MS/MSD
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
(X)	PAC Cyanide (Filtered)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 0907
Pump Stop Time 1140
Minutes of Pumping 153
Volume of Water Removed 8.0 gal
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 #4, 03H0230AC
Hach 2100P Turbidimeter

Time	Pump Rate (mL/min.) (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]*
0910	200	0.16	8.20	-	-	-	11	-	-
0915	200	0.42	8.32	9.05	6.31	0.815	7	1.76	255.9
0920	200	0.69	8.43	8.35	6.16	0.810	7	0.97	256.3
0925	200	0.95	~~8.46~~ 8.54	8.46	6.17	0.808	7	0.81	255.6
0930	200	1.22	8.62	8.38	6.04	0.808	7	0.70	275.1
0935	200	1.48	8.71	8.26	5.96	0.807	5	0.67	276.5
0940	200	1.75	8.78	8.29	5.98	0.806	6	0.64	277.2
0945	200	2.01	8.84	8.14	6.03	0.806	5	0.62	276.8

* 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

- 0910, shaded flow through cell, moved set-up into shade
- Initial purge clear, no noticeable odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

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

Site/GMA Name 78-6, GMA 4 GE Pittsfield
Sampling Personnel EJC, DRA
Date 4/21/08
Weather Sunny 60's.

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 7.41 Meas. From TIC
Well Depth 17.24 Meas. From TIC
Length of Water Column 9.83
Volume of Water in Well 6.42 gallons
Intake Depth of Pump/Tubing 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 12:00
Sample ID 78-6
Duplicate ID GMA 4 DUP 1
MS/MSD ____
Split Sample ID ____

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
(X)	PAC Cyanide (Filtered)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Silica	(X)

EVACUATION INFORMATION

Pump Start Time 1042
Pump Stop Time 1305
Minutes of Pumping 143
Volume of Water Removed ~9.5 GAL
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03C0392 AE 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	—	—	7.62	—	—	—	56	—	—
10:50	250	0.53	7.71	—	—	—	28	—	—
10:55	200	0.79	-	—	—	—	-	—	—
11:00	200	1.06	7.99	8.67	6.86	2.019	24	3.55	-24.6
11:05	200	1.32	8.20	8.54	6.91	2.023	17	1.68	-28.8
11:10	200	1.59	8.26	8.49	6.96	2.014	15	1.37	-30.7
11:15	200	1.85	8.28	8.30	6.97	2.004	17	1.11	-33.4
11:20	200	2.12	8.30	8.20	6.96	1.990	15	1.02	-35.5

* 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. 78-6

Site/GMA Name 78-6, GMA 4 GE PITTSFIELD
Sampling Personnel KIC, DRA
Date 4/21/09
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]*
11:25	200	2.38	8.30	8.22	7.00	1.974	14	0.89	-36.5
11:30	200	2.64	8.30	8.23	6.99	1.961	16	0.85	-37.0
11:35	200	2.91	8.30	8.28	7.00	1.946	15	0.75	-38.0
11:40	200	3.17	8.30	8.15	6.99	1.929	15	0.71	-38.3
11:45	200	3.44	8.30	8.27	6.98	1.919	12	0.70	-38.2
11:50	200	3.70	8.28	8.33	6.95	1.899	13	0.65	-38.3
11:55	200	3.96	8.28	8.39	6.96	1.893	13	0.68	-38.6
12:00	BEGIN SAMPLING								

* 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 NOTICEABLE ODORS
INITIAL PURGE CONTAINED ORANGE PARTICULATES
FINAL PURGE WAS CLEAR

GROUNDWATER SAMPLING LOG

Well No. GMA4-6
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GE Pittsfield GMA 4
Sampling Personnel JAP/RAB
Date 4/21/08
Weather Sunny Lt Breeze Mid 60s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -6" Meas. From Ground
Well Diameter 2"
Screen Interval Depth 3'-13' Meas. From Ground
Water Table Depth 8.80 Meas. From TIC
Well Depth 12.78 Meas. From TIC
Length of Water Column 3.98
Volume of Water in Well 0.65
Intake Depth of Pump/Tubing 11.5 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 1204
Sample ID GMA4-6
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
(X)	PAC Cyanide (Filtered)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) ~~Dioxins~~ Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1035 1050 see note
Pump Stop Time 1325
Minutes of Pumping 155
Volume of Water Removed 5.0 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: HACH TURBIDIMETER S/N 94110000 06523
~~P2100~~ YSI 556 MPS 03M0230 AC

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]*
1035	—	—	8.94	—	—	—	93	—	—
1050	150	—	8.92	—	—	—	73	—	—
1058	125	0.17	8.91	—	—	—	14	—	—
1103	100	0.38	8.91	9.82	6.52	0.938	9	1.50	212.4
1108	100	0.51	8.91	9.69	6.60	0.937	117	0.81	197.5
1115	100	0.69	8.91	—	—	—	6	—	—
1120	125	0.86	8.91	9.60	6.71	0.931	—	1.15	195.8
1125	125	1.03	8.91	9.24	6.77	0.957	4	3.42	186.6

See note

* 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

Geo pump stopped working @ 1045 used alt geopump
Initial purge cloudy YSI Hooked up @ 1055
Shaded flow through cell; wrapped towels around outside 1108 - Noted turbidity high removed flow cell - noticed tubing had dropped. raised tubing and rinsed out flow through cell 1120 YSI flow through cell noted leaking - resealed

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator

GROUNDWATER SAMPLING LOG

Well No. GMA4-6

Site/GMA Name GE Pittsfield GMA-4
Sampling Personnel JAP | RAB
Date 4/21/08
Weather Sunny Breezy High 60s

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1130	125	1.19	8.91	9.00	6.74	0.956	4	0.66	177.0
1135	125	1.36	8.91	8.87	6.69	0.960	3	0.64	177.0
1140	125	1.52	8.91	8.94	6.72	0.960	2	0.56	172.5
1145	125	1.69	8.91	9.22	6.72	0.956	2	0.52	166.2
1150	125	1.85	8.91	9.42	6.70	0.959	1	0.55	163.8
1155	~~157~~ 125	2.02	8.91	9.62	6.84	0.961	1	0.44	154.4
1158	125	2.12	8.91	9.01	6.70	0.964	1	0.38	154.7
1201	125	2.22	8.91	9.01	6.69	0.962	1	0.36	153.6
1204	125	2.32	8.91	8.99	6.68	0.962	1	0.37	151.4
	Sampled @		1204						

* 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 1145 - Noted water temp increased - covered all tubing

GROUNDWATER SAMPLING LOG

Well No. ~~HTO-3~~ H78B-15
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 4
Sampling Personnel JAP / CAB
Date 4/23/08
Weather Sunny Breezy mid-70s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.4 Meas. From ground
Well Diameter 1"
Screen Interval Depth 6-16 Meas. From Ground
Water Table Depth 13.72 Meas. From TIC
Well Depth 16.51 Meas. From TIC
Length of Water Column 2.79'
Volume of Water in Well 0.11 gallons
Intake Depth of Pump/Tubing 15-14.4 Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1345
Sample ID H78B-15
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
(X)	PAC Cyanide (Filtered)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	~~Other~~ (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1305
Pump Stop Time 1440
Minutes of Pumping 95
Volume of Water Removed 2.50 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 #03C0392AE (#1) Hach 2100P Turbimeter 99110000652

Time	Pump Rate (~L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1305	100	—	~~@ 9'~~	9.44	7.42	0.561	14	—	—
1315	100	0.26	—	9.41	7.42	0.561	5	11.33	126.6
1320	100	0.40	—	8.49	7.40	0.550	1	7.14	127.8
1325	100	0.53	—	8.55	7.46	0.548	1	6.37	125.0
1330	100	0.66	—	8.46	7.50	0.547	0	6.38	116.2
1335	100	0.79	—	8.21	7.59	0.547	1	6.54	110.5
1340	100	0.92	—	8.19	7.51	0.546	0	6.61	111.2
1345	100	1.06	—	8.11	7.57	0.547	0	6.74	106.1

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Hooked up to YSI @ 1310
Water level not measured due to small well diameter - could not get meter into well with tubing. Ensured flow through cell shaded from sun
Sampled @ 1345

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA4 GE Pittsfield
Sampling Personnel JAB/RAB
Date 4/22/10
Weather Sunny Mid 50s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point +3.48 Meas. From GROUND
Well Diameter 1"
Screen Interval Depth 4-14 Meas. From ~~BGS~~ Ground
Water Table Depth 11.74 Meas. From TIC
Well Depth 16.78 Meas. From TIC
Length of Water Column 5.04
Volume of Water in Well 0.21 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 1010
Sample ID H78B-16
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
( )	SVOCs	( )
( )	PCBs (Unfiltered)	( )
( )	PCBs (Filtered)	( )
( )	Metals/Inorganics (Unfiltered)	( )
( )	Metals/Inorganics (Filtered)	( )
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
( )	PAC Cyanide (Filtered)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 925
Pump Stop Time 1015
Minutes of Pumping 50
Volume of Water Removed 1.3 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 556MP #2 03C0392AE #2 Turbidimeter SN 94100000623

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]*
925	125	—	11.78	—	—	—	39	—	—
930	125	0.17	11.81	water still going through ft cell			—	—	—
935	100	0.30	11.76	11.37	6.67	1.203	8	4.65	157.9
940	100	0.43	11.76	11.32	6.68	1.189	5	3.27	157.7
945	100	0.57	11.76	11.20	6.69	1.177	4	2.95	158.9
950	100	0.70	11.76	11.29	6.71	1.172	4	2.79	158.0
955	100	0.83	11.76	11.34	6.71	1.160	3	2.71	158.6
1000	100	0.96	11.76	11.45	6.59	1.158	3	2.59	159.1

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Hooked up to YSI @ 925 Flow through cell and tubing covered to minimize temp effects Outer casing and INner casing on well hose

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. H78B-16

Site/GMA Name GMA 4 GE Pittsfield
Sampling Personnel JAP/KAB
Date 4/22/08
Weather Sunny Mid 50s

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]*
1003	100	1.04	11.76	11.44	6.69	1.163	2	2.52	159.6
1006	100	1.12	11.76	11.41	6.70	1.164	1	2.49	160.3
1009	100	1.20	11.76	11.42	6.69	1.162	1	2.49	161.3
		Sampled @ 1010							

* 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-17R
Key No. PX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA4 GE Pittsfield
Sampling Personnel JAP/RAB
Date 4/22/08
Weather Sunny & Breezy Low 70s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ≈1' Meas. From gravel
Well Diameter 4"
Screen Interval Depth 14.3-23.6 Meas. From ground
Water Table Depth 10.92 Meas. From TIC
Well Depth 24.90 Meas. From TIC
Length of Water Column 10.98
Volume of Water in Well 7.17 gallons
Intake Depth of Pump/Tubing 20 Meas. From ~~ground~~ 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 1508
Sample ID H78B-17R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
( )	SVOCs	( )
( )	PCBs (Unfiltered)	( )
( )	PCBs (Filtered)	( )
( )	Metals/Inorganics (Unfiltered)	( )
( )	Metals/Inorganics (Filtered)	( )
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
( )	PAC Cyanide (Filtered)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
( )	Other (Specify)	( )

EVACUATION INFORMATION

Pump Start Time 1355
Pump Stop Time 1515
Minutes of Pumping 80
Volume of Water Removed 2.0 gallons
Did Well Go Dry? Y (N)

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

(#2)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS S/N 03C0392AE Hach 2100P Turbidmeter S/N 94110000 6523

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1355	100	—	10.97	—	—	—	2	—	—
1400	100	0.13	10.96	No reading - sample not yet through cell				—	~~171.6~~
1405	100	0.26	10.96	13.56	7.06	1.368	3	5.99	171.6
1410	75	0.36	13.20	14.00	7.14	1.363	2	3.67	163.1
1415	100	0.49	13.20	13.93	7.15	1.364	1	2.95	160.1
1420	75	0.59	13.30	13.09	7.17	1.369	2	2.39	157.4
1425	100	0.72	13.30	12.32	7.17	1.369	2	1.78	154.3
1430	50	0.79	13.50	11.61	7.18	1.373	1	1.52	151.5

* 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 Hooked up to YSI @ 1357

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. H78 B-17R

Site/GMA Name GMA4 GE Pittsfield
Sampling Personnel JAP/RAB
Date 4/22/08
Weather Sunny Breezy Mid 70s

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]*
1435	100	0.92	13.60	11.83	7.19	1.366	1	1.28	149.1
1440	100	1.05	13.60	11.67	7.19	1.359	1	1.17	145.7
1445	150	1.25	13.80	11.05	7.21	1.367	1	1.08	142.5
1450	100	1.38	13.90	11.25	7.21	1.355	1	1.02	139.9
1455	100	1.51	13.90	11.41	7.21	1.357	1	0.95	136.9
1500	100	1.64	13.95	11.83	7.21	1.373	1	0.89	133.5
1505	100	1.78	14.	11.85	7.21	1.361	1	0.87	131.1
1508	100	1.86	14.10	11.77	7.21	1.364	1	0.87	129.6
		Sampled @ 1508							

* 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 1500- Noted temp going up covered all tubing & YSI

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4 GE Pittsfield
Sampling Personnel JAP/BAB
Date 4/23/08
Weather Sunny Lt Breeze High 50

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.5 Meas. From ground
Well Diameter 2"
Screen Interval Depth 18-28 Meas. From BGS
Water Table Depth 19.31 Meas. From TIC
Well Depth 27.27 Meas. From TIC
Length of Water Column 7.96
Volume of Water in Well 1.3 gallons
Intake Depth of Pump/Tubing 24 Meas. From gravel

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

Redevelop? Y (N)

Sample Time 1121
Sample ID OPCA-MW-3
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
(X)	PAC Cyanide (Filtered)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 925
Pump Stop Time 1235
Minutes of Pumping 190
Volume of Water Removed 5.0 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI #2 03C0392AE Hach 2100P Turbidimeter 94110000652

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]*
925	75	—	19.60	—	—	—	40	—	—
930	75	0.10	19.82	water not through flow through cell					—
935	75	0.20	19.94	12.01	6.63	0.753	43	2.79	86.0
940	100	0.33	20.02	11.15	6.63	0.750	36	1.55	56.2
945	100	0.46	20.08	10.78	6.65	0.744	29	1.25	40.1
950	100	0.59	20.09	10.64	6.70	0.738	21	1.11	31.9
955	100	0.73	20.14	10.50	6.68	0.733	21	1.03	27.6
1000	100	0.86	20.18	10.45	6.69	0.727	18	1.10	24.8

* 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 Attached YSI @ 930
YSI flow through cell kept in shade & covered to minimize temp effects
Purge water light brown

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA - MW-3

Site/GMA Name GMA4 GE Pittsfield
Sampling Personnel JAP/RAB
Date 4/23/08
Weather Sunny Lt Breeze High 50s

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]*
1003	100	0.94	20.20	10.32	6.67	0.722	15	1.01	23.5
1006		1.02	20.21	10.42	6.69	0.717	14	1.20	23.3
1009		1.10	20.21	10.43	6.70	0.716	13	1.02	23.4
1012		1.18	20.21	10.47	6.70	0.715	11	0.96	23.6
1015		1.25	20.27	10.44	6.71	0.715	9	1.03	24.4
1020		1.39	20.45	9.93	6.71	0.711	8	1.66	27.2
1025		1.52	20.61	10.01	6.70	0.715	32	1.38	31.6
1030		1.65	20.45	10.21	6.75	0.705	32	1.38	39.5
1033		1.74	20.42	10.31	6.71	0.705	29	1.34	44.5
1036		1.81	20.37	10.41	6.71	0.716	27	0.81	50.2
1039		1.89	20.35	10.46	6.73	0.728	20	0.70	55.6
1042	↓	1.97	20.36	10.43	6.74	0.736	17	0.65	61.1
1045	100	2.05		10.28	6.73	0.741	16	1.07	67.1
1050	75	2.25	20.22	10.92	6.73	0.729	11	2.00	66.0
1100	75	2.35	20.12	11.30	6.74	0.724	11	1.53	61.1
1105	100	2.48	20.14	11.31	6.73	0.726	12	1.17	59.4
1110	100	2.61	20.16	10.89	6.74	0.730	14	0.83	62.6
1115	100	2.75	20.17	10.69	6.75	0.728	15	0.66	63.1
1118	100	2.82	20.19	10.59	6.75	0.726	15	0.70	62.5
1121	100	2.90	20.20	10.64	6.72	0.727	14	0.68	62.3
		Sampled @ 1121							

See Note below

Note

* 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 1020 Noted bladder pump dropped due to string stretching. When adjusting pump - turbidity increased and parameters varied AC501 AC Adapter overheated lost pressure for bladder pump

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4 GE Pittsfield
Sampling Personnel KLC, DRA
Date Sunny, 70's 4/22/08
Weather

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point — Meas. From Ground
Well Diameter 2"
Screen Interval Depth 12 - 22 Meas. From Ground
Water Table Depth 11.17 Meas. From TIC
Well Depth 21.28 Meas. From TIC
Length of Water Column 10.11'
Volume of Water in Well 1.65 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 1610
Sample ID OPCA MW-4
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
(X)	PAC Cyanide (Filtered)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

Sulfide

EVACUATION INFORMATION

Pump Start Time 1355
Pump Stop Time 1630
Minutes of Pumping 155
Volume of Water Removed 6.0 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #4 03M0230AC, 2100P HACH Turbidim

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]*
1357	175	0.09	11.34	—	—	—	54	—	—
1400	150	0.21	11.63	—	—	—	56	—	—
1403	150	0.33	11.78	—	—	—	48	—	—
1405	150	0.41	11.80	—	—	—	36	—	—
1410	150	0.61	11.81	9.86	6.90	1.108	27	2.75	289.6
1415	150	0.81	11.86	8.62	6.86	1.103	14	1.46	246.9
1420	150	1.00	12.03	8.17	6.87	1.130	11	1.39	248.9
1425	150	1.20	12.10	8.32	6.87	1.131	13	1.30	249.4

* 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

*Set-up in the shade, completely. Initial purge clear
*Some black particulates @ initial purge.
*1408 Hooked up YSI and flow through cell.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA MW-4

Site/GMA Name GMA4 GE Pittsfield
Sampling Personnel KLC, DRA
Date 4/22/08
Weather 70's Sunny

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
~~1430~~									
1430	150	1.40	12.21	8.11	6.87	1.171	14	1.26	250.1
1435	150	1.60	12.32	8.18	6.86	1.181	12	1.08	250.9
1440	150	1.80	12.44	8.19	6.86	1.190	10	1.04	250.8
1445	150	2.00	12.55	8.11	6.86	1.192	11	0.93	250.5
1450	150	2.19	12.66	8.19	6.85	1.191	[redacted]9	0.83	250.6
1455	150	2.39	12.74	8.50	6.84	1.188	10	0.74	250.6
1500	150	2.59	12.86	8.40	6.84	1.189	8	0.72	250.1
* 1503	150	2.71	12.92	8.28	6.84	1.186	7	0.67	249.7
1506	150	2.83	12.96	8.31	6.84	1.186	6	0.65	249.5
1509	150	2.95	13.00	8.39	6.83	1.184	7	0.61	249.6
1510	→ Sampled @ 1510 ←								

* 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

1503 - readings getting close, ~~[redacted]~~ dropped to every 5 minutes.

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GE Pittsfield, GMA 4
Sampling Personnel BLC
Date 4/24/08
Weather Sunny, 50's part cloudy

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -3" Meas. From BGS
Well Diameter 2"
Screen Interval Depth 11.25 - 21.25 Meas. From ~~TIC~~ Ground
Water Table Depth 10.37 Meas. From TIC
Well Depth 21.41 Meas. From TIC
Length of Water Column 11.04
Volume of Water in Well 1.80 gallons
Intake Depth of Pump/Tubing ~17' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1150
Sample ID OPCA-MW-5R
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list)	(X)
( )	VOCs (Exp. list)	( )
( )	SVOCs	( )
( )	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 1035
Pump Stop Time 1245
Minutes of Pumping 130
Volume of Water Removed 3.50 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 03H0230AC 2100P HACH turb

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	25	0.03	10.55	—	—	—	137	—	—
1045	100	0.16	10.85	—	—	—	145	—	—
1050	100	0.29	10.94	—	—	—	77	—	—
1055	100	0.43	10.99	—	—	—	40	—	—
1100	200	0.69	11.36	8.61	6.54	1,740	16	1.24	258.5
1105	200	0.95	11.64	8.18	6.50	1,775	10	1.03	254.8
1110	125	1.12	11.77	8.33	6.58	1,772	9	0.93	248.9
1115	125	1.29	11.94	8.47	6.58	1,773	8	0.92	248.2

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

- Initial purge clear, no noticeable odor
- Kept flow through cell in shade of truck.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-512

Site/GMA Name GMA4 GE Pittsfield

Sampling Personnel KIC

Date 4/24/08

Weather Sunny 60's, part 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]*
1120	125	1.46	12.06	8.46	6.56	1.778	7	1.00	248.3
1125	100	1.59	12.17	8.53	6.57	1.776	7	0.95	247.1
1130	100	1.72	12.34	8.46	6.56	1.773	5	0.83	246.0
1135	100	1.85	12.39	8.41	6.56	1.752	5	0.72	244.2
1140	100	1.98	12.49	8.56	6.53	1.731	4	0.57	244.1
1143	100	2.06	12.54	8.58	6.54	1.706	5	0.51	243.5
1146	~~160~~ 100	2.14	12.65	8.64	6.54	1.694	4	0.49	243.0
1150	→ Sampled @ 1150 ←								

* 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

during 1115 air temperature increased, full sun.
*flow through cell still in the shade.
@ 1140 went to 3 minute intervals.

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4, GE Pittsfield
Sampling Personnel KLC, DRA
Date 4/23/08
Weather Sunny, 70's

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 15.32 Meas. From TIC
Well Depth 23.72 Meas. From TIC
Length of Water Column 8.40'
Volume of Water in Well 1.37 gallons
Intake Depth of Pump/Tubing ~19' 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 (11+' of sediment)

Sample Time 1410
Sample ID OPCA MW-6
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	(~~X~~)
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
(X)	PAC Cyanide (Filtered)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1305
Pump Stop Time 1530
Minutes of Pumping 145
Volume of Water Removed 3.80 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 (#4) 506 MPS. 03H0320 AC, 2100P HACH 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]*
1315	50	0.13	15.32	-	7.36	-	16	-	-
13:26	100	0.42	15.46	16.05	~~14.59~~	0.715	40	4.50	226.1
13:31	100	0.55	15.51	13.74	7.14	0.719	33	4.42	232.0
13:36	100	0.68	15.52	13.81	7.10	0.718	24	4.19	233.9
13:41	100	0.82	15.52	13.93	7.09	0.716	19	4.22	233.7
13:46	100	0.95	15.54	13.71	7.08	0.716	13	4.12	234.9
13:51	100	1.08	15.54	13.53	7.09	0.715	10	4.09	234.8
13:56	100	1.21	15.56	13.70	7.09	0.717	8	3.96	234.7

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

INITIAL PURGE WAS CLEAR W/ NO ODOR

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA MW-6

Site/GMA Name GMA 4, GE PITTSFIELD
Sampling Personnel KLC, DRA
Date 4/23/08
Weather 70's, SUNNY

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
14:01	100	1.34	15.56	13.59	7.07	0.723	7	~~4.9~~ 3.98	234.4
14:06	100	1.48	15.59	13.45	7.04	0.724	7	3.90	235.0
14:10	SAMPLING								

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

FINAL PURGE, CLEAR, NO ODOR

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-7
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 4 GE Pittsfield
Sampling Personnel JAP | KLC
Date 4/21/08
Weather Sunny Breezy Mid-70s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.6 Meas. From Ground
Well Diameter 2 I 1
Screen Interval Depth 14-24 Meas. From Ground
Water Table Depth 14.62 Meas. From TIC
Well Depth 23.79 Meas. From TIC
Length of Water Column 9.17
Volume of Water in Well 1.49
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 1600
Sample ID OPCA-MW-7
Duplicate ID —
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	( )
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	( )
(X)	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	( )

EVACUATION INFORMATION

Pump Start Time 1445
Pump Stop Time 1730
Minutes of Pumping 165
Volume of Water Removed 4.4 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 #4 03M0320AC Hach 2100P 941100006523 S/M

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1450	125	—	14.78	—	—	—	6	—	—
1455	125	0.17	15.07	12.17	6.60	1.858	4	5.52	204.5
1500	100	0.30	15.21	12.54	6.51	1.830	2	3.11	207.4
1505	100	0.43	15.31	12.95	6.60	1.845	3	2.90	205.6
1510	100	0.56	15.45	12.53	6.54	1.976	2	2.95	207.9
1515	100	0.69	15.59	12.95	6.52	2.045	3	2.80	209.0
1520	100	0.83	15.72	12.44	6.50	2.176	3	2.93	210.5
1525	100	0.96	15.86	12.21	6.47	2.237	2	2.88	212.1

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge clear Hooked up to YSI flow off @ 1450
YSI flow through cell and all tubing kept shaded ~~under pick vehicle~~ while waiting for parameters to stabilize

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-7

Site/GMA Name GE Pittsfield GMA 4
Sampling Personnel JAP/RAB
Date 4/21/08
Weather Sunny Breezy Mid-70s

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1530	100	1.09	16.04	12.50	6.45	2.347	2	2.75	213.1
1535	↓	1.22	16.15	12.56	6.39	2.512	2	2.74	215.5
1540		1.35	16.22	12.48	6.45	2.662	2	2.69	214.9
1545		1.49	16.36	12.22	6.47	2.812	3	2.65	214.7
1550		1.62	16.48	12.65	6.41	2.898	3	2.53	215.3
1553		1.70	16.59	12.50	6.37	2.976	3	2.57	216.1
1556		1.78	16.68	12.50	6.40	3.029	3	2.52	216.2
1559	↓	1.86	16.72	12.53	6.39	3.052	3	2.47	215.9
		Sampled @ 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

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

Site/GMA Name GMA 4, GE Pittsfield
Sampling Personnel KC, DRA
Date 4/23/08
Weather 60's sunny

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 7.54 Meas. From TIC
Well Depth 21.61 Meas. From TIC
Length of Water Column 14.07'
Volume of Water in Well 2.30 gallons
Intake Depth of Pump/Tubing 17' Meas. From TIC

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

Redevelop? (Y) N (2' of Sediment)

Sample Time 1020
Sample ID OPCA-MW-8
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

Required	Analytical Parameters:	Collected
(X)	VOCs (Standard List)	(X)
( )	VOCs (Expanded List)	( )
(X)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
( )	Total Cyanide (Filtered)	N/A
(X)	PAC Cyanide (Filtered)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) SulRe	(X)

EVACUATION INFORMATION

Pump Start Time 0910
Pump Stop Time ~~1100~~ 1140
Minutes of Pumping 150
Volume of Water Removed 4.0 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI #4, 5106 MPS 03M0320AC. HACH 2100P turb.

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]*
0915	150	0.20	8.01	-	-	-	95	-	-
0920	150	0.40	8.57	-	-	-	112	-	-
0922	125	0.47	8.89	-	-	-	109	-	-
0927	100	0.60	9.22	-	-	-	79	-	-
0930	100	0.68	9.52	-	-	-	71	-	-
0935	100	0.81	9.67	-	-	-	55	-	-
0940	100	0.94	9.82	-	-	-	47	-	-
0948	100	1.15	10.03	10.09	7.19	0.415	28	54.2	190.1

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

INITIAL PURGE IS LIGHT YELLOWISH BROWN, CLOUDY, AND ODOR

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. OPCA MW-8

Site/GMA Name GMA 4, GE Pittsfield
Sampling Personnel KLG, DMA
Date 4/23/08
Weather 60's Sunny

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0953	100	1.28	10.14	9.65	7.18	0.416	30	39.4	195.9
0958	100	1.42	10.25	9.52	7.18	0.419	25	4.34	199.8
1003	100	1.55	10.30	9.55	7.18	0.421	23	4.21	202.7
1008	100	1.68	10.44	9.29	7.20	0.426	20	4.35	204.9
1013	100	1.81	10.57	9.45	7.20	0.430	19	4.29	207.6
1018	100	1.94	10.69	9.47	7.22	0.434	20	4.33	209.0

* 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 NO AIR LEAKS OR BUBBLES IN FLOW THROUGH CELL CAUSING HIGH D.O. READINGS.

ARCADIS

Appendix C

Groundwater Analytical Results –
Spring 2008

Table C-1
Spring 2008 Groundwater Analytical Results

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/22/08	78-6 04/21/08	GMA4-6 04/21/08
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) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
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) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) 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) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
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) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Bromoform	ND(0.0010)	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) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Chloroform	ND(0.0010)	ND(0.0010) [ND(0.0010)]	0.0030
Chloromethane	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
cis-1,3-Dichloropropene	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Dibromochloromethane	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Dibromomethane	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
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)
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) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
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) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Trichloroethene	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Trichlorofluoromethane	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Vinyl Acetate	ND(0.0025)	ND(0.0025) [ND(0.0025)]	ND(0.0025)
Vinyl Chloride	ND(0.0010) J	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Xylenes (total)	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Total VOCs	ND(0.10)	ND(0.10) [ND(0.10)]	0.0030

Table C-1
Spring 2008 Groundwater Analytical Results

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/22/08	78-6 04/21/08	GMA4-6 04/21/08
PCBs-Filtered			
Aroclor-1016	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1221	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1232	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1242	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1248	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1254	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Aroclor-1260	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Total PCBs	ND(0.000066)	ND(0.000066) [ND(0.000067)]	ND(0.000068)
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,2,4-Trichlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,2-Dichlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,2-Diphenylhydrazine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,3,5-Trinitrobenzene	ND(0.026) J	ND(0.026) J [ND(0.026) J]	ND(0.026) J
1,3-Dichlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,3-Dinitrobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,4-Dichlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1,4-Naphthoquinone	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
1-Naphthylamine	ND(0.026) J	ND(0.026) J [ND(0.026) J]	ND(0.026) J
2,3,4,6-Tetrachlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4,5-Trichlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4,6-Trichlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4-Dichlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4-Dimethylphenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,4-Dinitrophenol	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
2,4-Dinitrotoluene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,6-Dichlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2,6-Dinitrotoluene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Acetylaminofluorene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
2-Chloronaphthalene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Chlorophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Methylnaphthalene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Methylphenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Naphthylamine	ND(0.026) J	ND(0.026) J [ND(0.026) J]	ND(0.026) J
2-Nitroaniline	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Nitrophenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
2-Picoline	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
3&4-Methylphenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
3,3'-Dichlorobenzidine	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
3,3'-Dimethylbenzidine	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
3-Methylcholanthrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
3-Nitroaniline	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4,6-Dinitro-2-methylphenol	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4-Aminobiphenyl	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Bromophenyl-phenylether	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Chloro-3-Methylphenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Chloroaniline	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4-Chlorobenzilate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Chlorophenyl-phenylether	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
4-Nitroaniline	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4-Nitrophenol	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
4-Nitroquinoline-1-oxide	ND(0.026) J	ND(0.026) J [ND(0.026) J]	ND(0.026) J
4-Phenylenediamine	ND(0.010) J	ND(0.010) J [ND(0.010) J]	ND(0.010) J
5-Nitro-o-toluidine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
7,12-Dimethylbenz(a)anthracene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
a,a'-Dimethylphenethylamine	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
Acenaphthene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Acenaphthylene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Acetophenone	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)

Table C-1
Spring 2008 Groundwater Analytical Results

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/22/08	78-6 04/21/08	GMA4-6 04/21/08
Semivolatile Organics (continue)			
Aniline	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Anthracene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Aramite	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzidine	ND(0.010) J	ND(0.010) J [ND(0.010) J]	ND(0.010) J
Benzo(a)anthracene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzo(a)pyrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzo(b)fluoranthene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzo(g,h,i)perylene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzo(k)fluoranthene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Benzyl Alcohol	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Chloroethoxy)methane	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
bis(2-Chloroethyl)ether	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
bis(2-Chloroisopropyl)ether	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
bis(2-Ethylhexyl)phthalate	0.00094 J	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Butylbenzylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Chrysene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Diallate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Dibenzo(a,h)anthracene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Dibenzofuran	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Diethylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Dimethylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Di-n-Butylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Di-n-Octylphthalate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Diphenylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Ethyl Methanesulfonate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Fluoranthene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Fluorene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Hexachlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Hexachlorobutadiene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Hexachlorocyclopentadiene	ND(0.010) J	ND(0.010) J [ND(0.010) J]	ND(0.010) J
Hexachloroethane	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Hexachlorophene	ND(0.0052) J	ND(0.0051) J [ND(0.0052) J]	ND(0.0052) J
Hexachloropropene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Isodrin	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Isophorone	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Isosafrole	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Methapyrilene	ND(0.0052) J	ND(0.0051) J [ND(0.0052) J]	ND(0.0052) J
Methyl Methanesulfonate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Naphthalene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Nitrobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosodiethylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosodimethylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitroso-di-n-butylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitroso-di-n-propylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosodiphenylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosomethylethylamine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosomorpholine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosopiperidine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
N-Nitrosopyrrolidine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
o,o,o-Triethylphosphorothioate	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
o-Toluidine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
p-Dimethylaminoazobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pentachlorobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pentachloroethane	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pentachloronitrobenzene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pentachlorophenol	ND(0.026)	ND(0.026) [ND(0.026)]	ND(0.026)
Phenacetin	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Phenanthrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)

Table C-1
Spring 2008 Groundwater Analytical Results

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/22/08	78-6 04/21/08	GMA4-6 04/21/08
Semivolatile Organics (continue)			
Phenol	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pronamide	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pyrene	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Pyridine	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Safrole	ND(0.0052)	ND(0.0051) [ND(0.0052)]	ND(0.0052)
Thionazin	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Furans			
2,3,7,8-TCDF	0.0000000045 J	0.0000000019 J [0.0000000032 J]	ND(0.000000010)
TCDFs (total)	0.000000027	0.000000028 [0.000000050]	ND(0.000000010)
1,2,3,7,8-PeCDF	0.0000000056 J	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
PeCDFs (total)	0.0000000056 J	0.0000000052 J [0.0000000059 J]	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
HpCDFs (total)	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
OCDF	ND(0.000000010)	ND(0.000000010) [ND(0.000000010)]	ND(0.000000011)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000014) [ND(0.0000000010)]	ND(0.000000010)
TCDDs (total)	ND(0.0000000012)	ND(0.0000000014) [ND(0.0000000010)]	ND(0.000000010)
1,2,3,7,8-PeCDD	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
HxCDDs (total)	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000077)
HpCDDs (total)	ND(0.0000000051)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000077)
OCDD	ND(0.000000010)	ND(0.000000010) [ND(0.000000010)]	ND(0.000000012)
Total TEQs (WHO TEFs)	0.0000000070	0.0000000067 [0.0000000067]	0.000000011
Inorganics-Unfiltered			
Sulfide	1.10 J	ND(1.00) J [ND(1.00) J]	1.00 J
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	0.0174 B	0.0340 B [0.0353 B]	ND(0.100)
Beryllium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Cadmium	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Chromium	0.00118 B	0.00209 B [ND(0.0100)]	ND(0.0100)
Cobalt	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Copper	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
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) J	ND(0.0100) J	ND(0.0100) J
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	0.00625 J	ND(0.0100) J
Tin	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc	ND(0.0200)	ND(0.0200) [ND(0.0200)]	0.00957 B

Table C-1
Spring 2008 Groundwater Analytical Results

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08	OPCA-MW-3 04/23/08	OPCA-MW-4 04/22/08
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,1,1-Trichloroethane	ND(0.0010)	0.00077 J	ND(0.020)	ND(0.0010)	ND(0.0010) J
1,1,2,2-Tetrachloroethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,1,2-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	0.00018 J	ND(0.020)	ND(0.0010)	ND(0.0010) J
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,2-Dibromo-3-chloropropane	ND(0.0050) J	ND(0.0050) J	ND(0.10) J	ND(0.0050) J	ND(0.0050) J
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0010)	0.00025 J	ND(0.020)	ND(0.0010)	ND(0.0010)
1,2-Dichloropropane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
1,4-Dioxane	ND(0.10) J	ND(0.10) J	ND(2.0) J	ND(0.10) J	ND(0.10) J
2-Butanone	ND(0.0050) J	ND(0.0050) J	ND(0.10) J	ND(0.0050) J	ND(0.0050) J
2-Chloro-1,3-butadiene	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
2-Chloroethylvinylether	ND(0.013) J	ND(0.013) J	ND(0.25) J	ND(0.013) J	ND(0.013) J
2-Hexanone	ND(0.0050) J	ND(0.0050) J	ND(0.10)	ND(0.0050) J	ND(0.0050) J
3-Chloropropene	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
4-Methyl-2-pentanone	ND(0.0050)	ND(0.0050)	ND(0.10)	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050) J	ND(0.0050) J	ND(0.10) J	ND(0.0050) J	ND(0.0050) J
Acetonitrile	ND(0.020) J	ND(0.020) J	ND(0.40) J	ND(0.020) J	ND(0.020) J
Acrolein	ND(0.025) J	ND(0.025) J	ND(0.50) J	ND(0.025) J	ND(0.025) J
Acrylonitrile	ND(0.025) J	ND(0.025) J	ND(0.50) J	ND(0.025) J	ND(0.025) J
Benzene	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Bromodichloromethane	ND(0.0010)	ND(0.0010) J	ND(0.020)	ND(0.0010)	ND(0.0010) J
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Bromomethane	ND(0.0010)	ND(0.0010)	ND(0.020) J	ND(0.0010)	ND(0.0010)
Carbon Disulfide	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Carbon Tetrachloride	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0010)	0.00089 J	ND(0.020)	ND(0.0010)	0.00012 J
Chloroethane	ND(0.0010)	ND(0.0010) J	ND(0.020) J	ND(0.0010)	ND(0.0010) J
Chloroform	ND(0.0010)	0.00014 J	0.033	ND(0.0010)	ND(0.0010)
Chloromethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
cis-1,3-Dichloropropene	ND(0.0010)	ND(0.0010) J	ND(0.020)	ND(0.0010)	ND(0.0010) J
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Dibromomethane	ND(0.0010)	ND(0.0010) J	ND(0.020)	ND(0.0010)	ND(0.0010) J
Dichlorodifluoromethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Ethyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Ethylbenzene	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Iodomethane	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Isobutanol	ND(0.050) J	ND(0.050) J	ND(1.0) J	ND(0.050) J	ND(0.050) J
Methacrylonitrile	ND(0.010)	ND(0.010)	ND(0.20)	ND(0.010)	ND(0.010)
Methyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Methylene Chloride	ND(0.0050) J	ND(0.0050)	ND(0.10)	ND(0.0050) J	ND(0.0050)
Propionitrile	ND(0.020) J	ND(0.020) J	ND(0.40) J	ND(0.020) J	ND(0.020) J
Styrene	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	0.00039 J	ND(0.020)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0010)	ND(0.0010) J	ND(0.020)	ND(0.0010)	ND(0.0010) J
trans-1,2-Dichloroethene	ND(0.0010)	0.00019 J	ND(0.020)	ND(0.0010)	ND(0.0010)
trans-1,3-Dichloropropene	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
trans-1,4-Dichloro-2-butene	ND(0.0050) J	ND(0.0050) J	ND(0.10) J	ND(0.0050) J	ND(0.0050) J
Trichloroethene	ND(0.0010)	0.038 J	0.082	ND(0.0010)	0.0014 J
Trichlorofluoromethane	ND(0.0010)	0.00062 J	ND(0.020)	ND(0.0010)	ND(0.0010) J
Vinyl Acetate	ND(0.0025)	ND(0.0025)	ND(0.050)	ND(0.0025)	ND(0.0025)
Vinyl Chloride	ND(0.0010)	0.00075 J	ND(0.020)	ND(0.0010)	0.00032 J
Xylenes (total)	ND(0.0010)	ND(0.0010)	ND(0.020)	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.10)	0.042 J	0.12	ND(0.10)	0.0018 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:	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08	OPCA-MW-3 04/23/08	OPCA-MW-4 04/22/08
PCBs-Filtered					
Aroclor-1016	ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Aroclor-1221	ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Aroclor-1232	ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Aroclor-1242	ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Aroclor-1248	ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Aroclor-1254	ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Aroclor-1260	ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Total PCBs	ND(0.000067) J	NA	NA	ND(0.000066) J	ND(0.000068)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,2,4-Trichlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	0.0016 J
1,2-Dichlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,2-Diphenylhydrazine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,3,5-Trinitrobenzene	ND(0.026) J	NA	NA	ND(0.026) J	ND(0.026) J
1,3-Dichlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,3-Dinitrobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,4-Dichlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1,4-Naphthoquinone	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
1-Naphthylamine	ND(0.026) J	NA	NA	ND(0.026) J	ND(0.026) J
2,3,4,6-Tetrachlorophenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4,5-Trichlorophenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4,6-Trichlorophenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4-Dichlorophenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4-Dimethylphenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,4-Dinitrophenol	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
2,4-Dinitrotoluene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,6-Dichlorophenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2,6-Dinitrotoluene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Acetylaminofluorene	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
2-Chloronaphthalene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Chlorophenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Methylnaphthalene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Methylphenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Naphthylamine	ND(0.026) J	NA	NA	ND(0.026) J	ND(0.026) J
2-Nitroaniline	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Nitrophenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
2-Picoline	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
3&4-Methylphenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
3,3'-Dichlorobenzidine	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
3,3'-Dimethylbenzidine	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
3-Methylcholanthrene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
3-Nitroaniline	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4,6-Dinitro-2-methylphenol	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4-Aminobiphenyl	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Bromophenyl-phenylether	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Chloro-3-Methylphenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Chloroaniline	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4-Chlorobenzilate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Chlorophenyl-phenylether	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
4-Nitroaniline	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4-Nitrophenol	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
4-Nitroquinoline-1-oxide	ND(0.026) J	NA	NA	ND(0.026) J	ND(0.026) J
4-Phenylenediamine	ND(0.010) J	NA	NA	ND(0.011) J	ND(0.010) J
5-Nitro-o-toluidine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
7,12-Dimethylbenz(a)anthracene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
a,a'-Dimethylphenethylamine	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
Acenaphthene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Acenaphthylene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Acetophenone	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)

Table C-1
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Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08	OPCA-MW-3 04/23/08	OPCA-MW-4 04/22/08
Semivolatile Organics (continue)					
Aniline	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Anthracene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Aramite	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzidine	ND(0.010) J	NA	NA	ND(0.011) J	ND(0.010) J
Benzo(a)anthracene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzo(a)pyrene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzo(b)fluoranthene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzo(g,h,i)perylene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzo(k)fluoranthene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Benzyl Alcohol	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
bis(2-Chloroethoxy)methane	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
bis(2-Chloroethyl)ether	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
bis(2-Chloroisopropyl)ether	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
bis(2-Ethylhexyl)phthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Butylbenzylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Chrysene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Diallate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Dibenzo(a,h)anthracene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Dibenzofuran	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Diethylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Dimethylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Di-n-Butylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Di-n-Octylphthalate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Diphenylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Ethyl Methanesulfonate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Fluoranthene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Fluorene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Hexachlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Hexachlorobutadiene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Hexachlorocyclopentadiene	ND(0.010) J	NA	NA	ND(0.011) J	ND(0.010) J
Hexachloroethane	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Hexachlorophene	ND(0.0052) J	NA	NA	ND(0.0053) J	ND(0.0052) J
Hexachloropropene	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Isodrin	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Isophorone	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Isosafrole	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Methapyrilene	ND(0.0052) J	NA	NA	ND(0.0053) J	ND(0.0052) J
Methyl Methanesulfonate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Naphthalene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Nitrobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosodiethylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosodimethylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitroso-di-n-butylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitroso-di-n-propylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosodiphenylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosomethylethylamine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosomorpholine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosopiperidine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
N-Nitrosopyrrolidine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
o,o,o-Triethylphosphorothioate	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
o-Toluidine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
p-Dimethylaminoazobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pentachlorobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pentachloroethane	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pentachloronitrobenzene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pentachlorophenol	ND(0.026)	NA	NA	ND(0.026)	ND(0.026)
Phenacetin	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Phenanthrene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)

Table C-1
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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-15 04/23/08	H78B-16 04/22/08	H78B-17R 04/22/08	OPCA-MW-3 04/23/08	OPCA-MW-4 04/22/08
Semivolatile Organics (continue)					
Phenol	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pronamide	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pyrene	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Pyridine	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Safrole	ND(0.0052)	NA	NA	ND(0.0053)	ND(0.0052)
Thionazin	ND(0.010)	NA	NA	ND(0.011)	ND(0.010)
Furans					
2,3,7,8-TCDF	ND(0.0000000033)	NA	NA	ND(0.0000000049)	0.0000000094 J
TCDFs (total)	ND(0.0000000033)	NA	NA	ND(0.0000000049)	0.00000022
1,2,3,7,8-PeCDF	ND(0.0000000052)	NA	NA	ND(0.0000000052)	0.0000000074 J
2,3,4,7,8-PeCDF	ND(0.0000000052)	NA	NA	ND(0.0000000052)	ND(0.0000000066)
PeCDFs (total)	ND(0.0000000052)	NA	NA	ND(0.0000000052)	0.000000042 J
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	NA	NA	ND(0.0000000052)	ND(0.0000000051)
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	NA	NA	ND(0.0000000052)	ND(0.0000000051)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	NA	NA	ND(0.0000000052)	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	NA	NA	ND(0.0000000052)	ND(0.0000000051)
HxCDFs (total)	ND(0.0000000052)	NA	NA	ND(0.0000000052)	0.000000011 J
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	NA	NA	ND(0.0000000053)	ND(0.0000000051)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000063)	NA	NA	ND(0.0000000067)	ND(0.0000000063)
HpCDFs (total)	ND(0.0000000056)	NA	NA	ND(0.0000000059)	ND(0.0000000055)
OCDF	ND(0.000000031)	NA	NA	ND(0.000000012)	ND(0.000000013)
Dioxins					
2,3,7,8-TCDD	ND(0.0000000043)	NA	NA	ND(0.0000000054)	ND(0.0000000041)
TCDDs (total)	ND(0.0000000043)	NA	NA	ND(0.0000000054)	ND(0.0000000041)
1,2,3,7,8-PeCDD	ND(0.0000000052)	NA	NA	ND(0.0000000052)	ND(0.0000000051)
PeCDDs (total)	ND(0.0000000052)	NA	NA	ND(0.0000000052)	ND(0.0000000051)
1,2,3,4,7,8-HxCDD	ND(0.0000000053)	NA	NA	ND(0.0000000052)	ND(0.0000000054)
1,2,3,6,7,8-HxCDD	ND(0.0000000054)	NA	NA	ND(0.0000000052)	ND(0.0000000055)
1,2,3,7,8,9-HxCDD	ND(0.0000000055)	NA	NA	ND(0.0000000052)	ND(0.0000000056)
HxCDDs (total)	ND(0.0000000054)	NA	NA	ND(0.0000000052)	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000074)	NA	NA	ND(0.0000000077)	ND(0.0000000085)
HpCDDs (total)	ND(0.0000000074)	NA	NA	ND(0.0000000077)	ND(0.0000000085)
OCDD	ND(0.000000037)	NA	NA	ND(0.000000012)	ND(0.000000016)
Total TEQs (WHO TEFs)	0.0000000083	NA	NA	0.0000000089	0.0000000095
Inorganics-Unfiltered					
Sulfide	ND(1.00)	NA	NA	ND(1.00)	1.00 J
Inorganics-Filtered					
Antimony	ND(0.0400)	NA	NA	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100)	NA	NA	ND(0.0100)	ND(0.0100)
Barium	ND(0.100)	NA	NA	0.0277 B	0.00975 B
Beryllium	0.000940 J	NA	NA	0.00548 J	ND(0.0100) J
Cadmium	ND(0.00500) J	NA	NA	ND(0.00500) J	ND(0.00500) J
Chromium	0.00134 B	NA	NA	0.00224 B	0.00150 B
Cobalt	ND(0.0100) J	NA	NA	ND(0.0100) J	ND(0.0100) J
Copper	ND(0.0100) J	NA	NA	ND(0.0100) J	ND(0.0100) J
Cyanide-MADEP (PAC)	ND(0.00600)	NA	NA	ND(0.00600)	ND(0.00600)
Lead	ND(0.0100)	NA	NA	ND(0.0100)	ND(0.0100)
Mercury	ND(0.000285)	NA	NA	ND(0.000285)	ND(0.000285)
Nickel	ND(0.0100) J	NA	NA	ND(0.0100) J	ND(0.0100) J
Selenium	ND(0.0200)	NA	NA	ND(0.0200)	ND(0.0200)
Silver	ND(0.0100)	NA	NA	ND(0.0100)	ND(0.0100)
Thallium	ND(0.0100) J	NA	NA	0.00638 J	0.00936 J
Tin	ND(0.0100) J	NA	NA	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500)	NA	NA	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200)	NA	NA	ND(0.0200)	0.0112 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-5R 04/24/08	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
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) J	ND(0.0010)	ND(0.0010) J	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) J	ND(0.0010)	ND(0.0010) J	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) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
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	0.0015 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) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Bromoform	ND(0.0010)	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	0.00048 J	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroethane	ND(0.0010) J	ND(0.0010)	ND(0.0010) J	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) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	0.00014 J	ND(0.0010)
Dibromomethane	ND(0.0010) J	ND(0.0010)	ND(0.0010) J	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)
Methyl Methacrylate	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Methylene Chloride	ND(0.0050)	ND(0.0050) J	ND(0.0050)	ND(0.0050) J
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) J	ND(0.0010)	ND(0.0010) 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) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Trichloroethene	ND(0.0010) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Trichlorofluoromethane	ND(0.0010) J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Vinyl Acetate	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)
Vinyl Chloride	0.0012 J	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Xylenes (total)	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	0.0017 J	0.0015 J	0.00014 J	ND(0.10)

Table C-1
Spring 2008 Groundwater Analytical Results

Groundwater Quality Interim Report For Spring 2008
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 04/24/08	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
PCBs-Filtered				
Aroclor-1016	ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1221	ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1232	ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1242	ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1248	ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Aroclor-1254	ND(0.000068) J	0.00017 J	ND(0.000068)	0.00019 J
Aroclor-1260	ND(0.000068) J	ND(0.000066) J	ND(0.000068)	ND(0.000069) J
Total PCBs	ND(0.000068) J	0.00017 J	ND(0.000068)	0.00019 J
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,2,4-Trichlorobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,2-Dichlorobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,2-Diphenylhydrazine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,3,5-Trinitrobenzene	ND(0.025) J	ND(0.026) J	ND(0.026) J	ND(0.025) J
1,3-Dichlorobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,3-Dinitrobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,4-Dichlorobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1,4-Naphthoquinone	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
1-Naphthylamine	ND(0.025) J	ND(0.026) J	ND(0.026) J	ND(0.025) J
2,3,4,6-Tetrachlorophenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4,5-Trichlorophenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4,6-Trichlorophenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4-Dichlorophenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4-Dimethylphenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,4-Dinitrophenol	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
2,4-Dinitrotoluene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,6-Dichlorophenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2,6-Dinitrotoluene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Acetylaminofluorene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloronaphthalene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Chlorophenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Methylnaphthalene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Methylphenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Naphthylamine	ND(0.025) J	ND(0.026) J	ND(0.026) J	ND(0.025) J
2-Nitroaniline	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Nitrophenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
2-Picoline	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
3&4-Methylphenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
3,3'-Dichlorobenzidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3,3'-Dimethylbenzidine	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
3-Methylcholanthrene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
3-Nitroaniline	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4,6-Dinitro-2-methylphenol	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4-Aminobiphenyl	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Bromophenyl-phenylether	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Chloro-3-Methylphenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Chloroaniline	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4-Chlorobenzilate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Chlorophenyl-phenylether	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
4-Nitroaniline	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4-Nitrophenol	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
4-Nitroquinoline-1-oxide	ND(0.025) J	ND(0.026) J	ND(0.026) J	ND(0.025) J
4-Phenylenediamine	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
5-Nitro-o-toluidine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
7,12-Dimethylbenz(a)anthracene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
a,a'-Dimethylphenethylamine	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
Acenaphthene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Acenaphthylene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Acetophenone	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)

Table C-1
Spring 2008 Groundwater Analytical Results

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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 04/24/08	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
Semivolatile Organics (continue)				
Aniline	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Anthracene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Aramite	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzidine	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Benzo(a)anthracene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzo(a)pyrene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzo(b)fluoranthene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzo(g,h,i)perylene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzo(k)fluoranthene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Benzyl Alcohol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroethoxy)methane	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Chloroethyl)ether	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Chloroisopropyl)ether	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
bis(2-Ethylhexyl)phthalate	ND(0.0051)	ND(0.0051)	ND(0.0052)	0.0011 J
Butylbenzylphthalate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Chrysene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Diallate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Dibenzo(a,h)anthracene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Dibenzofuran	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Diethylphthalate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Dimethylphthalate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Di-n-Butylphthalate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Di-n-Octylphthalate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Diphenylamine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Ethyl Methanesulfonate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Fluoranthene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Fluorene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Hexachlorobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Hexachlorobutadiene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Hexachlorocyclopentadiene	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Hexachloroethane	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Hexachlorophene	ND(0.0051) J	ND(0.0051) J	ND(0.0052) J	ND(0.0051) J
Hexachloropropene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Isodrin	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Isophorone	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Isosafrole	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Methapyrilene	ND(0.0051) J	ND(0.0051) J	ND(0.0052) J	ND(0.0051) J
Methyl Methanesulfonate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Naphthalene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Nitrobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosodiethylamine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosodimethylamine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitroso-di-n-butylamine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitroso-di-n-propylamine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosodiphenylamine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosomethylethylamine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosomorpholine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosopiperidine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
N-Nitrosopyrrolidine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
o,o,o-Triethylphosphorothioate	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
o-Toluidine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
p-Dimethylaminoazobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pentachlorobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pentachloroethane	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pentachloronitrobenzene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pentachlorophenol	ND(0.025)	ND(0.026)	ND(0.026)	ND(0.025)
Phenacetin	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Phenanthrene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)

Table C-1
Spring 2008 Groundwater Analytical Results

Groundwater Quality Interim Report For Spring 2008
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 04/24/08	OPCA-MW-6 04/23/08	OPCA-MW-7 04/21/08	OPCA-MW-8 04/23/08
Semivolatile Organics (continue)				
Phenol	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pronamide	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pyrene	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Pyridine	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Safrole	ND(0.0051)	ND(0.0051)	ND(0.0052)	ND(0.0051)
Thionazin	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	0.0000000042 J	0.0000000044 J	ND(0.0000000012)	ND(0.0000000050)
TCDFs (total)	0.000000020	0.0000000073 J	ND(0.0000000012)	0.000000017
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
PeCDFs (total)	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000060)
HpCDFs (total)	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000053)
OCDF	ND(0.000000010)	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000010)	ND(0.0000000022)	ND(0.0000000014)	ND(0.0000000044)
TCDDs (total)	ND(0.0000000010)	ND(0.0000000022)	ND(0.0000000014)	ND(0.0000000044)
1,2,3,7,8-PeCDD	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
HxCDDs (total)	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000052)	ND(0.0000000060)	ND(0.0000000052)	ND(0.0000000085)
HpCDDs (total)	ND(0.0000000052)	ND(0.0000000060)	ND(0.0000000052)	ND(0.0000000085)
OCDD	ND(0.000000010)	ND(0.000000010)	ND(0.000000010)	0.000000017 J
Total TEQs (WHO TEFs)	0.0000000068	0.0000000073	0.0000000067	0.0000000084
Inorganics-Unfiltered				
Sulfide	ND(1.00) J	ND(1.00)	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	0.0609 B	0.00804 B	0.0276 B	0.00521 B
Beryllium	0.00251 J	ND(0.0100) J	ND(0.0100) J	0.00141 J
Cadmium	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Chromium	0.00134 B	0.00179 B	0.00134 B	0.00210 B
Cobalt	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Copper	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
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) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
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	0.00656 J	0.0148 J	0.00674 J
Tin	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.00643 B	ND(0.0200)	0.0178 B	0.298

Table C-1
Spring 2008 Groundwater Analytical Results

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS 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
3. Company, Pittsfield, Massachusetts, ARCADIS (approved March 15, 2007 and re-submitted March 30, 2007).
   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.

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.

ARCADIS

Appendix D

Historical Groundwater Data

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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 04/20/07	78-1 10/09/07
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.10)	ND(0.010)	ND(0.0050) J	0.0023 J
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0010)	0.00048 J
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0050)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0050)	0.0047 J	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.20)	0.0047 J	ND(0.10)	0.0028 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(0.00012)	ND(0.00010)
Aroclor-1260	NA	ND(0.000065)	ND(0.00012)	ND(0.00010)
Total PCBs	NA	ND(0.000065)	ND(0.00012)	ND(0.00010)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.010)	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(0.00000000060)	ND(0.0000000011)	0.0000000040 J	ND(0.0000000018)
TCDFs (total)	ND(0.00000000060)	ND(0.000000010) X	0.0000000040 J	0.00000012 J
1,2,3,7,8-PeCDF	ND(0.0000000021)	ND(0.0000000013) XB	ND(0.0000000054)	ND(0.0000000050)
2,3,4,7,8-PeCDF	ND(0.0000000020)	ND(0.0000000012)	ND(0.0000000054)	ND(0.0000000050)
PeCDFs (total)	ND(0.0000000021)	ND(0.000000024)	ND(0.0000000054)	0.000000034 J
1,2,3,4,7,8-HxCDF	ND(0.0000000060)	ND(0.0000000021)	ND(0.0000000054)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	ND(0.0000000062)	ND(0.00000000080)	ND(0.0000000054)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	ND(0.0000000059)	ND(0.00000000090)	ND(0.0000000054)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	ND(0.0000000064)	ND(0.00000000080)	ND(0.0000000054)	ND(0.0000000050)
HxCDFs (total)	ND(0.0000000064)	ND(0.0000000044)	ND(0.0000000054)	0.000000010 J
1,2,3,4,6,7,8-HpCDF	ND(0.000000011)	ND(0.0000000013)	ND(0.0000000054)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	ND(0.000000011)	ND(0.0000000017)	ND(0.0000000054)	ND(0.0000000050)
HpCDFs (total)	ND(0.000000011)	ND(0.0000000015)	ND(0.0000000054)	ND(0.0000000050)
OCDF	ND(0.000000011)	ND(0.0000000032)	ND(0.000000011)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	ND(0.00000000090)	ND(0.0000000014)	ND(0.0000000023)	ND(0.0000000012)
TCDDs (total)	ND(0.00000000090)	ND(0.0000000014)	ND(0.0000000023)	ND(0.0000000012)
1,2,3,7,8-PeCDD	ND(0.0000000071)	ND(0.0000000016)	ND(0.0000000054)	ND(0.0000000050)
PeCDDs (total)	ND(0.0000000071)	ND(0.0000000016)	ND(0.0000000054)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	ND(0.0000000069)	ND(0.0000000014)	ND(0.0000000054)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	ND(0.0000000086)	ND(0.0000000014)	ND(0.0000000054)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	ND(0.0000000077)	ND(0.0000000013)	ND(0.0000000054)	ND(0.0000000050)
HxCDDs (total)	ND(0.0000000086)	ND(0.000000012) X	ND(0.0000000054)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	ND(0.000000013)	ND(0.0000000026)	ND(0.0000000054)	ND(0.0000000050)
HpCDDs (total)	ND(0.000000013)	ND(0.0000000026)	ND(0.0000000054)	ND(0.0000000050)
OCDD	ND(0.000000017)	ND(0.0000000038) XB	ND(0.000000011)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000000071	0.0000000024	0.0000000077	0.0000000064

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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:	78-1 06/14/99	78-1 05/01/01	78-1 04/20/07	78-1 10/09/07
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)	ND(1.00)	R
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)	ND(0.0400)	ND(0.0400)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Barium	NA	0.0260 J	0.0303 B	0.0172 B
Beryllium	NA	ND(0.00100)	ND(0.0100) J	ND(0.0100) J
Cadmium	NA	ND(0.00500)	ND(0.0100) J	ND(0.00500) J
Chromium	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt	NA	ND(0.0500)	ND(0.0100) J	ND(0.0100)
Copper	NA	0.00420 J	ND(0.0100) J	ND(0.0100)
Mercury	NA	ND(0.000200)	0.000191 B	ND(0.000285)
Nickel	NA	ND(0.0400)	ND(0.0100) J	ND(0.0100)
Selenium	NA	ND(0.00500) J	0.00976 B	ND(0.0200) J
Thallium	NA	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Tin	NA	ND(0.100)	0.0163 J	ND(0.0100)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0160 B	0.00245 B	0.00586 B

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Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/22/08	78-6 06/16/99	78-6 05/03/01	78-6 04/19/07
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010) J	ND(0.0050)	ND(0.0050)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010) J	ND(0.0050)	ND(0.0050)	ND(0.0010)
Acetone	ND(0.0050) J	ND(0.10)	ND(0.010)	ND(0.0050) J
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)	ND(0.0010)
Dibromochloromethane	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0050)	ND(0.0020)	ND(0.0010)
Toluene	ND(0.0010) J	ND(0.0050)	ND(0.0050)	ND(0.0010)
Trichloroethene	ND(0.0010) J	ND(0.0050)	ND(0.0050)	ND(0.0010)
Trichlorofluoromethane	ND(0.0010) J	ND(0.0050)	ND(0.0050)	ND(0.0010)
Vinyl Chloride	ND(0.0010) J	ND(0.010)	ND(0.0020)	ND(0.0010) J
Total VOCs	ND(0.10)	ND(0.20)	ND(0.20)	ND(0.10)
PCBs-Unfiltered				
Aroclor-1254	NA	ND(0.000050)	ND(0.000065)	NA
Aroclor-1260	NA	ND(0.000050)	ND(0.000065)	NA
Total PCBs	NA	ND(0.000050)	ND(0.000065)	NA
PCBs-Filtered				
Aroclor-1254	ND(0.000066)	NA	ND(0.000065)	ND(0.00011)
Aroclor-1260	ND(0.000066)	NA	ND(0.000065)	ND(0.00011)
Total PCBs	ND(0.000066)	NA	ND(0.000065)	ND(0.00011)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	0.00094 J	ND(0.010)	ND(0.0060)	ND(0.010)
Dibenzofuran	ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.0052)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	0.0000000045 J	ND(0.0000000032)	ND(0.00000000085) XB	ND(0.0000000014)
TCDFs (total)	0.000000027	ND(0.0000000032)	ND(0.0000000020)	ND(0.0000000014)
1,2,3,7,8-PeCDF	0.0000000056 J	ND(0.0000000079)	ND(0.00000000030)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000051)	ND(0.0000000083)	ND(0.00000000066)	ND(0.0000000052)
PeCDFs (total)	0.0000000056 J	ND(0.0000000083)	ND(0.0000000017)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000042)	ND(0.00000000083) XB	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000043)	ND(0.00000000030)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000051)	ND(0.0000000051)	ND(0.00000000030)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000044)	ND(0.00000000030)	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000051)	ND(0.0000000051)	ND(0.00000000083) X	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000051)	ND(0.000000029)	ND(0.00000000050)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000051)	ND(0.000000029)	ND(0.00000000060)	ND(0.0000000052)
HpCDFs (total)	ND(0.0000000051)	ND(0.000000029)	ND(0.00000000050)	ND(0.0000000052)
OCDF	ND(0.000000010)	ND(0.000000017)	ND(0.00000000090)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000035)	ND(0.00000000040)	ND(0.0000000016)
TCDDs (total)	ND(0.0000000012)	ND(0.0000000035)	ND(0.0000000010) X	ND(0.0000000016)
1,2,3,7,8-PeCDD	ND(0.0000000051)	ND(0.000000034)	ND(0.00000000040)	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000051)	ND(0.000000034)	ND(0.0000000019) X	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000051)	ND(0.000000014)	ND(0.00000000060)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000051)	ND(0.000000017)	ND(0.00000000060)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	ND(0.0000000051)	ND(0.000000015)	ND(0.00000000050)	ND(0.0000000052)
HxCDDs (total)	ND(0.0000000051)	ND(0.000000017)	ND(0.0000000060) X	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000051)	ND(0.000000029)	ND(0.00000000080)	ND(0.0000000052)
HpCDDs (total)	ND(0.0000000051)	ND(0.000000029)	ND(0.00000000080)	ND(0.0000000052)
OCDD	ND(0.000000010)	ND(0.000000020)	ND(0.0000000079)	ND(0.000000011)
Total TEQs (WHO TEFs)	0.0000000070	0.000000025	0.00000000080	0.0000000069

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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:	78-1 04/22/08	78-6 06/16/99	78-6 05/03/01	78-6 04/19/07
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600)	0.00250 J	NA
Arsenic	NA	0.0320	0.0160	NA
Barium	NA	0.0830	0.0960 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)	0.00250 B	NA
Cobalt	NA	ND(0.0600)	0.00480 B	NA
Copper	NA	ND(0.0330)	ND(0.0100) J	NA
Mercury	NA	ND(0.000500)	ND(0.000200)	NA
Nickel	NA	ND(0.0600)	ND(0.0400)	NA
Selenium	NA	ND(0.00600)	0.00490 B	NA
Silver	NA	ND(0.0130)	0.0110 J	NA
Sulfide	1.10 J	ND(5.00)	ND(5.00)	ND(1.00)
Thallium	NA	ND(0.0130)	ND(0.0100)	NA
Tin	NA	ND(0.300) j	ND(0.0300)	NA
Vanadium	NA	ND(0.0600)	ND(0.0500)	NA
Zinc	NA	0.0330	0.0110 B	NA
Inorganics-Filtered				
Antimony	ND(0.0400)	NA	0.00370 J	ND(0.0400)
Arsenic	ND(0.0100)	NA	ND(0.0100)	0.00526 B
Barium	0.0174 B	NA	0.0450 B	0.0337 B
Beryllium	ND(0.0100) J	NA	ND(0.00100)	0.00115 J
Cadmium	ND(0.00500) J	NA	ND(0.00500)	ND(0.0100) J
Chromium	0.00118 B	NA	0.00370 B	ND(0.0100) J
Cobalt	ND(0.0100) J	NA	0.00370 B	ND(0.0100) J
Copper	ND(0.0100) J	NA	ND(0.0250)	ND(0.0100) J
Mercury	ND(0.000285)	NA	ND(0.000200)	ND(0.000285)
Nickel	ND(0.0100) J	NA	ND(0.0400)	ND(0.0100) J
Selenium	ND(0.0200)	NA	ND(0.00500)	0.00957 B
Thallium	ND(0.0100) J	NA	ND(0.0100) J	ND(0.0100)
Tin	ND(0.0100) J	NA	ND(0.0300)	0.0498
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200)	NA	0.0180 J	0.00351 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:	78-6 11/13/07	78-6 04/21/08	GMA4-6 04/19/07
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
Acetone	0.0014 J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Bromoform	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)
Chloroform	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)
Tetrachloroethene	ND(0.0010) J	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Toluene	ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
Trichloroethene	ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010)
Vinyl Chloride	ND(0.0010)	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J
Total VOCs	0.0014 J	ND(0.10) [ND(0.10)]	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(0.000065)	ND(0.000066) [ND(0.000067)]	ND(0.00011)
Aroclor-1260	ND(0.000065)	ND(0.000066) [ND(0.000067)]	ND(0.00011)
Total PCBs	ND(0.000065)	ND(0.000066) [ND(0.000067)]	ND(0.00011)
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.0050)	ND(0.0051) [ND(0.0052)]	ND(0.010)
Acenaphthene	ND(0.0050)	ND(0.0051) [ND(0.0052)]	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0050)	ND(0.0051) [ND(0.0052)]	0.0016 J
Dibenzofuran	ND(0.0050)	ND(0.0051) [ND(0.0052)]	ND(0.010)
Dimethylphthalate	0.00060 J	ND(0.0051) [ND(0.0052)]	ND(0.010)
Naphthalene	0.0016 J	ND(0.0051) [ND(0.0052)]	ND(0.010)
Furans			
2,3,7,8-TCDF	ND(0.0000000042)	0.0000000019 J [0.0000000032 J]	ND(0.0000000018)
TCDFs (total)	0.0000000076 J	0.000000028 [0.000000050]	ND(0.0000000018)
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
PeCDFs (total)	ND(0.0000000052)	0.0000000052 J [0.0000000059 J]	ND(0.0000000053)
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
HxCDFs (total)	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
HpCDFs (total)	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
OCDF	ND(0.000000011)	ND(0.000000010) [ND(0.000000010)]	ND(0.000000011)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000037)	ND(0.0000000014) [ND(0.0000000010)]	ND(0.0000000022)
TCDDs (total)	ND(0.0000000037)	ND(0.0000000014) [ND(0.0000000010)]	ND(0.0000000022)
1,2,3,7,8-PeCDD	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
PeCDDs (total)	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
HxCDDs (total)	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	ND(0.0000000053)
HpCDDs (total)	ND(0.0000000052)	ND(0.0000000051) [ND(0.0000000051)]	0.0000000060 J
OCDD	ND(0.000000011)	ND(0.000000010) [ND(0.000000010)]	0.000000040 J
Total TEQs (WHO TEFs)	0.0000000080	0.0000000067 [0.0000000067]	0.0000000072

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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	78-6 04/21/08	GMA4-6 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	ND(1.00) J	ND(1.00) J [ND(1.00) J]	1.10
Thallium	NA	NA	NA
Tin	NA	NA	NA
Vanadium	NA	NA	NA
Zinc	NA	NA	NA
Inorganics-Filtered			
Antimony	ND(0.0400)	ND(0.0400) [ND(0.0400)]	0.00696 B
Arsenic	0.00588 J	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Barium	0.0667 B	0.0340 B [0.0353 B]	0.0410 B
Beryllium	0.000850 J	ND(0.0100) J	0.00578 J
Cadmium	ND(0.00500)	ND(0.00500) J	ND(0.0100) J
Chromium	ND(0.0100)	0.00209 B [ND(0.0100)]	ND(0.0100) J
Cobalt	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Copper	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Mercury	ND(0.000285)	ND(0.000285) [ND(0.000285)]	ND(0.000285)
Nickel	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Selenium	ND(0.0200) J	ND(0.0200) [ND(0.0200)]	0.0110 B
Thallium	ND(0.0100) J	0.00625 J	ND(0.0100)
Tin	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc	ND(0.0200)	ND(0.0200) [ND(0.0200)]	0.119

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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:	GMA4-6 10/08/07	GMA4-6 04/21/08	H78B-15 06/16/99	H78B-15 05/03/01
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050) J	ND(0.0050) J	ND(0.10)	ND(0.010)
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)	0.0030	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0020)
Toluene	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0010)	ND(0.0010) J	ND(0.010)	ND(0.0020)
Total VOCs	ND(0.10)	0.0030	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	0.000035 J	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000050)	ND(0.000065)
Total PCBs	NA	NA	0.000035 J	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	ND(0.00010)	ND(0.000068)	NA	ND(0.000065)
Aroclor-1260	ND(0.00010)	ND(0.000068)	NA	ND(0.000065)
Total PCBs	ND(0.00010)	ND(0.000068)	NA	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.0060)
Dibenzofuran	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.0000000026)	ND(0.000000010)	ND(0.0000000015)	ND(0.00000000040)
TCDFs (total)	0.000000023 J	ND(0.000000010)	ND(0.0000000015)	ND(0.0000000012)
1,2,3,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000036)	ND(0.00000000038)
2,3,4,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000034)	ND(0.00000000055) XB
PeCDFs (total)	0.0000000076 J	ND(0.0000000052)	ND(0.0000000036)	ND(0.0000000013)
1,2,3,4,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000017)	ND(0.0000000015) XB
1,2,3,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000017)	ND(0.00000000040)
1,2,3,7,8,9-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000023)	ND(0.00000000050)
2,3,4,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000018)	ND(0.00000000040)
HxCDFs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000023)	ND(0.00000000058)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.000000032)	ND(0.00000000060)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.000000015)	ND(0.00000000086) XB
HpCDFs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.000000032)	ND(0.00000000086) X
OCDF	ND(0.000000010)	ND(0.000000011)	ND(0.0000000076)	ND(0.0000000026)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000034)	ND(0.000000010)	ND(0.0000000035)	ND(0.0000000017) XB
TCDDs (total)	ND(0.0000000034)	ND(0.000000010)	ND(0.0000000035)	ND(0.0000000031) X
1,2,3,7,8-PeCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000071)	ND(0.00000000060)
PeCDDs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000071)	ND(0.0000000018) X
1,2,3,4,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000056)	ND(0.00000000080)
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000070)	ND(0.0000000012)
1,2,3,7,8,9-HxCDD	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000062)	ND(0.00000000095) XB
HxCDDs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000070)	0.0000000032
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050)	ND(0.0000000077)	ND(0.000000011)	0.0000000052 JB
HpCDDs (total)	ND(0.0000000050)	ND(0.0000000077)	ND(0.000000011)	ND(0.0000000052)
OCDD	ND(0.000000010)	ND(0.000000012)	ND(0.0000000090)	ND(0.0000000077)
Total TEQs (WHO TEFs)	0.0000000075	0.000000011	0.0000000079	0.0000000017

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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:	GMA4-6 10/08/07	GMA4-6 04/21/08	H78B-15 06/16/99	H78B-15 05/03/01
Inorganics-Unfiltered				
Antimony	NA	NA	ND(0.0600)	0.00290 J
Arsenic	NA	NA	ND(0.00600)	ND(0.0100)
Barium	NA	NA	0.0570	0.00430 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)	0.00290 B
Cobalt	NA	NA	ND(0.0600)	ND(0.0500)
Copper	NA	NA	ND(0.0330)	0.00910 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)	ND(0.00500)
Silver	NA	NA	ND(0.0130)	ND(0.00500)
Sulfide	ND(1.00) J	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) j	ND(0.0300)
Vanadium	NA	NA	ND(0.0600)	ND(0.0500)
Zinc	NA	NA	0.0830	0.0110 J
Inorganics-Filtered				
Antimony	ND(0.0400)	ND(0.0400)	NA	ND(0.0100) J
Arsenic	ND(0.0100) J	ND(0.0100)	NA	ND(0.0100)
Barium	0.00701 B	ND(0.100)	NA	0.00460 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(0.0100)
Cobalt	ND(0.0100)	ND(0.0100) J	NA	ND(0.0500)
Copper	ND(0.0100)	ND(0.0100) J	NA	0.00610 B
Mercury	ND(0.000285)	ND(0.000285)	NA	ND(0.000200)
Nickel	0.00564 B	ND(0.0100) J	NA	ND(0.0400)
Selenium	ND(0.0200) J	ND(0.0200)	NA	ND(0.00500)
Thallium	0.00652 B	ND(0.0100) J	NA	ND(0.0100) J
Tin	ND(0.0100)	ND(0.0100) J	NA	ND(0.0300)
Vanadium	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc	0.0123 B	0.00957 B	NA	0.0180 J

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OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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	H78B-15 04/23/08
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010) [ND(0.0010)]	0.00010 J	ND(0.0010)
Acetone	ND(0.0050) [ND(0.0050)]	0.0031 J	ND(0.0050) J
Bromoform	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)
Chloroform	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)
Tetrachloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0010) [ND(0.0010)]	0.00023 J	ND(0.0010)
Trichlorofluoromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.10) [ND(0.10)]	0.0034 J	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(0.00010) [ND(0.00011)]	ND(0.000065)	ND(0.000067) J
Aroclor-1260	ND(0.00010) [ND(0.00011)]	ND(0.000065)	ND(0.000067) J
Total PCBs	ND(0.00010) [ND(0.00011)]	ND(0.000065)	ND(0.000067) J
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
bis(2-Ethylhexyl)phthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Dibenzofuran	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Dimethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Naphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.0052)
Furans			
2,3,7,8-TCDF	ND(0.0000000013) [ND(0.0000000016)]	ND(0.0000000017)	ND(0.0000000033)
TCDFs (total)	ND(0.0000000013) [ND(0.0000000016)]	ND(0.0000000017)	ND(0.0000000033)
1,2,3,7,8-PeCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
PeCDFs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000063)
HpCDFs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000056)
OCDF	ND(0.000000010) [ND(0.000000010)]	ND(0.000000011)	ND(0.000000031)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000015) [ND(0.0000000019)]	ND(0.0000000020)	ND(0.0000000043)
TCDDs (total)	ND(0.0000000015) [ND(0.0000000019)]	ND(0.0000000020)	ND(0.0000000043)
1,2,3,7,8-PeCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000053)
1,2,3,6,7,8-HxCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000054)
1,2,3,7,8,9-HxCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000055)
HxCDDs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000054)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000074)
HpCDDs (total)	ND(0.0000000051) [ND(0.0000000052)]	ND(0.0000000052)	ND(0.0000000074)
OCDD	ND(0.000000010) [ND(0.000000010)]	ND(0.000000011)	ND(0.000000037)
Total TEQs (WHO TEFs)	0.0000000066 [0.0000000069]	0.0000000070	0.0000000083

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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	H78B-15 04/23/08
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	ND(1.00) [ND(1.00)]	ND(1.00) J	ND(1.00)
Thallium	NA	NA	NA
Tin	NA	NA	NA
Vanadium	NA	NA	NA
Zinc	NA	NA	NA
Inorganics-Filtered			
Antimony	ND(0.0400) [ND(0.0400)]	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100) J [ND(0.0100) J]	0.00346 B	ND(0.0100)
Barium	0.00872 B [0.00850 B]	0.0546 B	ND(0.100)
Beryllium	0.00529 B [ND(0.0100)]	ND(0.0100)	0.000940 J
Cadmium	ND(0.0100) [ND(0.0100)]	ND(0.00500) J	ND(0.00500) J
Chromium	ND(0.0100) [ND(0.0100)]	ND(0.0100) J	0.00134 B
Cobalt	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100) J
Copper	ND(0.0100) J [ND(0.0100) J]	ND(0.0100)	ND(0.0100) J
Mercury	ND(0.000285) [ND(0.000285)]	ND(0.000285)	ND(0.000285)
Nickel	ND(0.0100) [0.00519 B]	ND(0.0100)	ND(0.0100) J
Selenium	ND(0.0200) [ND(0.0200)]	ND(0.0200)	ND(0.0200)
Thallium	ND(0.0100) J [ND(0.0100)]	ND(0.0100) J	ND(0.0100) J
Tin	ND(0.0100) J [0.00892 J]	ND(0.0100)	ND(0.0100) J
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Zinc	0.00361 B [ND(0.0200)]	0.194	ND(0.0200)

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Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NY-4 06/14/99	NY-4 04/30/01	OPCA-MW-1 06/16/99	OPCA-MW-1 05/02/01
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Acetone	ND(0.10)	ND(0.010)	ND(0.10)	ND(0.010)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0050)	ND(0.0020)	ND(0.0050)	ND(0.0020)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.010)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	0.00012	0.00023	0.000054	ND(0.000065)
Aroclor-1260	ND(0.00010)	0.000080	ND(0.000050)	ND(0.000065)
Total PCBs	0.00012	0.00031	0.000054	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	NA	0.00011	NA	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	NA	ND(0.000065)
Total PCBs	NA	0.00011	NA	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.012)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.012)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.0000000020)	ND(0.0000000011)	ND(0.0000000011)	ND(0.0000000013)
TCDFs (total)	ND(0.0000000020)	ND(0.000000018) X	0.0000000090 J	ND(0.0000000013)
1,2,3,7,8-PeCDF	ND(0.0000000074)	ND(0.000000012)	ND(0.0000000025)	ND0.0000000037)
2,3,4,7,8-PeCDF	ND(0.0000000069)	0.0000000034 J	ND(0.0000000024)	ND(0.0000000015)
PeCDFs (total)	ND(0.0000000074)	0.000000044	ND(0.0000000025)	ND(0.0000000037)
1,2,3,4,7,8-HxCDF	ND(0.000000021)	ND(0.000000013)	ND(0.0000000011)	ND(0.0000000025)
1,2,3,6,7,8-HxCDF	ND(0.000000022)	ND(0.0000000032)	ND(0.0000000011)	ND(0.0000000015)
1,2,3,7,8,9-HxCDF	ND(0.000000021)	ND(0.0000000010)	ND(0.0000000016)	ND(0.0000000021)
2,3,4,6,7,8-HxCDF	ND(0.000000023)	ND(0.0000000017)	ND(0.0000000012)	ND(0.00000000090)
HxCDFs (total)	ND(0.000000023)	ND(0.000000027)	ND(0.0000000016)	ND(0.0000000046)
1,2,3,4,6,7,8-HpCDF	ND(0.000000054)	ND(0.0000000066)	ND(0.0000000073)	ND(0.0000000025)
1,2,3,4,7,8,9-HpCDF	ND(0.000000054)	0.0000000034 JB	ND(0.0000000090)	ND(0.0000000015)
HpCDFs (total)	ND(0.000000054)	ND(0.000000014)	0.0000000078 J	ND(0.0000000025)
OCDF	ND(0.000000067)	0.000000023 J	ND(0.0000000037)	ND(0.0000000046)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000030)	0.000000017	ND(0.0000000012)	ND(0.0000000018)
TCDDs (total)	ND(0.0000000030)	0.000000017	ND(0.0000000012)	ND(0.0000000018)
1,2,3,7,8-PeCDD	ND(0.000000031)	ND(0.0000000018)	ND(0.0000000046)	ND(0.0000000015)
PeCDDs (total)	ND(0.000000031)	ND(0.0000000093)	ND(0.0000000046)	ND(0.0000000015)
1,2,3,4,7,8-HxCDD	ND(0.000000032)	ND(0.0000000016)	ND(0.0000000034)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	ND(0.000000040)	ND(0.000000017)	ND(0.0000000042)	ND(0.0000000013)
1,2,3,7,8,9-HxCDD	ND(0.000000036)	ND(0.000000012)	ND(0.0000000038)	ND(0.0000000012)
HxCDDs (total)	ND(0.000000040)	ND(0.000000062)	ND(0.0000000042)	ND(0.0000000025)
1,2,3,4,6,7,8-HpCDD	ND(0.000000082)	0.000000084 B	ND(0.0000000070)	ND(0.0000000045)
HpCDDs (total)	ND(0.000000082)	0.00000012	ND(0.0000000070)	ND(0.0000000045)
OCDD	ND(0.000000084)	ND(0.000000048)	ND(0.0000000044)	ND(0.000000029)
Total TEQs (WHO TEFs)	0.000000029	0.000000023	0.0000000046	0.0000000028

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NY-4 06/14/99	NY-4 04/30/01	OPCA-MW-1 06/16/99	OPCA-MW-1 05/02/01
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.00600)	0.00450 B	ND(0.00600)	0.00450 B
Barium	0.0200	0.0300 B	0.0620	0.0240 B
Beryllium	ND(0.00600)	ND(0.00100)	ND(0.00600)	ND(0.00100)
Cadmium	ND(0.00600)	ND(0.00500)	ND(0.00600) J	ND(0.00500)
Chromium	ND(0.0130)	0.00460 B	ND(0.0130)	ND(0.025) J
Cobalt	ND(0.0600)	ND(0.0500)	ND(0.0600)	0.000350 B
Copper	ND(0.0330)	0.0100 B	ND(0.0330)	ND(0.0250)
Mercury	ND(0.000500)	ND(0.000200)	ND(0.000500)	ND(0.000200)
Nickel	ND(0.0600)	ND(0.0400)	ND(0.0600)	ND(0.0400)
Selenium	ND(0.00600) J	0.0080 J	ND(0.00600)	ND(0.00500)
Silver	ND(0.0130)	ND(0.00500)	ND(0.0130)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0130)	ND(0.0100)	ND(0.0130)	ND(0.010) J
Tin	ND(0.300)	ND(0.0300)	ND(0.300) j	ND(0.0300)
Vanadium	ND(0.0600)	ND(0.0500)	ND(0.0600)	ND(0.0500)
Zinc	ND(0.0260)	0.0350	ND(0.0260)	0.028 J
Inorganics-Filtered				
Antimony	NA	ND(0.0600)	NA	ND(0.0600)
Arsenic	NA	ND(0.0100)	NA	ND(0.0100)
Barium	NA	0.0170 B	NA	0.0230 B
Beryllium	NA	ND(0.00100)	NA	ND(0.00100)
Cadmium	NA	ND(0.00500)	NA	ND(0.00500)
Chromium	NA	ND(0.0100)	NA	ND(0.025) J
Cobalt	NA	ND(0.0500)	NA	ND(0.0500)
Copper	NA	0.00410 B	NA	0.00420 B
Mercury	NA	ND(0.000200)	NA	ND(0.000200)
Nickel	NA	ND(0.0400)	NA	ND(0.0400)
Selenium	NA	0.0075 J	NA	ND(0.00500)
Thallium	NA	ND(0.0100)	NA	ND(0.010) J
Tin	NA	ND(0.0300)	NA	ND(0.0300)
Vanadium	NA	ND(0.0500)	NA	ND(0.0500)
Zinc	NA	0.0180 B	NA	0.028 J

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OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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)]
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)]
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0050) [ND(0.0050)]
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			
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
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]

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OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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
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

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OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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 04/19/07	OPCA-MW-2 10/08/07
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0010)	0.00013 J [0.00013 J]
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]
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)]
Dibromochloromethane	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)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trichloroethene	ND(0.0050)	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Trichlorofluoromethane	ND(0.0050)	ND(0.0010)	0.00040 J [0.00041 J]
Vinyl Chloride	ND(0.0020)	ND(0.0010) J	ND(0.0010) [ND(0.0010)]
Total VOCs	ND(0.20)	ND(0.10)	0.00053 J [0.00054 J]
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)	ND(0.00010) [ND(0.00010)]
Aroclor-1260	ND(0.000065)	ND(0.00011)	ND(0.00010) [ND(0.00010)]
Total PCBs	ND(0.000065)	ND(0.00011)	ND(0.00010) [ND(0.00010)]
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
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)	ND(0.010) [ND(0.010)]
Furans			
2,3,7,8-TCDF	ND(0.0000000013)	ND(0.0000000035) X	ND(0.0000000014) [ND(0.0000000015) X]
TCDFs (total)	ND(0.0000000013)	ND(0.0000000016)	0.000000036 J [0.000000050 J]
1,2,3,7,8-PeCDF	ND(0.0000000020)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
2,3,4,7,8-PeCDF	ND(0.0000000020)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
PeCDFs (total)	ND(0.0000000020)	ND(0.0000000055)	0.000000016 J [0.000000049 J]
1,2,3,4,7,8-HxCDF	ND(0.0000000022)	ND(0.0000000055)	ND(0.0000000050) [0.0000000055 J]
1,2,3,6,7,8-HxCDF	ND(0.0000000010)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,7,8,9-HxCDF	ND(0.0000000014)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
2,3,4,6,7,8-HxCDF	ND(0.0000000012)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
HxCDFs (total)	ND(0.0000000022)	ND(0.0000000055)	ND(0.0000000050) [0.000000017 J]
1,2,3,4,6,7,8-HpCDF	ND(0.0000000018)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,4,7,8,9-HpCDF	ND(0.0000000022)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
HpCDFs (total)	ND(0.0000000020)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
OCDF	ND(0.0000000043)	ND(0.000000011)	ND(0.000000010) [ND(0.000000010)]
Dioxins			
2,3,7,8-TCDD	ND(0.0000000017)	ND(0.0000000021)	ND(0.0000000014) [ND(0.0000000018) X]
TCDDs (total)	ND(0.0000000017)	ND(0.0000000021)	ND(0.0000000014) [ND(0.0000000012)]
1,2,3,7,8-PeCDD	ND(0.0000000018)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
PeCDDs (total)	ND(0.0000000018)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,4,7,8-HxCDD	ND(0.0000000017)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,6,7,8-HxCDD	ND(0.0000000017)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,7,8,9-HxCDD	ND(0.0000000017)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
HxCDDs (total)	ND(0.0000000017)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
1,2,3,4,6,7,8-HpCDD	ND(0.0000000031)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
HpCDDs (total)	ND(0.0000000031)	ND(0.0000000055)	ND(0.0000000050) [ND(0.0000000051)]
OCDD	ND(0.000000012)	ND(0.000000011)	ND(0.000000010) [0.000000015 J]
Total TEQs (WHO TEFs)	0.0000000029	0.0000000074	0.0000000065 [0.0000000071]

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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 04/19/07	OPCA-MW-2 10/08/07
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) J [ND(1.00) J]
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) [ND(0.0400)]
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100) J [ND(0.0100) J]
Barium	0.0180 B	ND(0.0100)	0.0144 B [0.0128 B]
Beryllium	ND(0.00100)	0.00386 J	ND(0.0100) J [ND(0.0100) J]
Cadmium	ND(0.00500)	ND(0.0100) J	ND(0.00500) J [ND(0.00500) J]
Chromium	ND(0.025) J	ND(0.0100) J	ND(0.0100) [ND(0.0100)]
Cobalt	ND(0.0500)	ND(0.0100) J	ND(0.0100) [ND(0.0100)]
Copper	ND(0.0250)	ND(0.0100) J	ND(0.0100) [ND(0.0100)]
Mercury	ND(0.000200)	ND(0.000285)	ND(0.000285) [ND(0.000285)]
Nickel	ND(0.0400)	ND(0.0100) J	0.00638 B [ND(0.0100)]
Selenium	ND(0.00500)	0.0111 B	ND(0.0200) J [ND(0.0200) J]
Thallium	ND(0.010) J	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Tin	ND(0.0300)	ND(0.0100) J	ND(0.0100) [ND(0.0100)]
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Zinc	0.020 BJ	0.00586 B	ND(0.0200) [ND(0.0200)]

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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-3 06/16/99	OPCA-MW-3 05/02/01	OPCA-MW-3 04/20/07	OPCA-MW-3 10/09/07
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.10)	ND(0.010)	ND(0.0050) J	ND(0.0050) J
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0050)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.10)	ND(0.10)
PCBs-Unfiltered				
Aroclor-1254	0.000040 J	ND(0.000065)	NA	NA
Aroclor-1260	ND(0.000051)	ND(0.000065)	NA	NA
Total PCBs	0.000040 J	ND(0.000065)	NA	NA
PCBs-Filtered				
Aroclor-1254	NA	ND(0.000065)	ND(0.00011)	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	ND(0.00011)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	ND(0.00011)	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.011)	ND(0.0060)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.0000000035)	ND(0.0000000011)	0.0000000037 J	ND(0.0000000015)
TCDFs (total)	ND(0.0000000035)	ND(0.0000000011)	0.0000000037 J	ND(0.0000000015)
1,2,3,7,8-PeCDF	ND(0.0000000041)	ND(0.0000000016)	ND(0.0000000055)	ND(0.0000000050)
2,3,4,7,8-PeCDF	ND(0.0000000039)	ND(0.0000000016)	ND(0.0000000055)	ND(0.0000000050)
PeCDFs (total)	ND(0.0000000041)	ND(0.0000000016)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,4,7,8-HxCDF	ND(0.0000000013)	ND(0.0000000010)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,6,7,8-HxCDF	ND(0.0000000013)	ND(0.0000000010)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	ND(0.0000000018)	ND(0.0000000013)	ND(0.0000000055)	ND(0.0000000050)
2,3,4,6,7,8-HxCDF	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000055)	ND(0.0000000050)
HxCDFs (total)	ND(0.0000000018)	ND(0.0000000011)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000080)	ND(0.0000000014)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000099)	ND(0.0000000017)	ND(0.0000000055)	ND(0.0000000050)
HpCDFs (total)	ND(0.0000000099)	ND(0.0000000015)	ND(0.0000000055)	ND(0.0000000050)
OCDF	ND(0.0000000041)	ND(0.0000000031)	ND(0.000000011)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000020)	ND(0.0000000016)	ND(0.0000000021)	ND(0.0000000017)
TCDDs (total)	ND(0.0000000020)	ND(0.0000000016)	ND(0.0000000021)	ND(0.0000000017)
1,2,3,7,8-PeCDD	ND(0.0000000089)	ND(0.0000000018)	ND(0.0000000055)	ND(0.0000000050)
PeCDDs (total)	ND(0.0000000089)	ND(0.0000000018)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,4,7,8-HxCDD	ND(0.0000000058)	ND(0.0000000016)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	ND(0.0000000072)	ND(0.0000000017)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,7,8,9-HxCDD	ND(0.0000000064)	ND(0.0000000016)	ND(0.0000000055)	ND(0.0000000050)
HxCDDs (total)	ND(0.0000000072)	ND(0.0000000016)	ND(0.0000000055)	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000077)	ND(0.0000000025)	ND(0.0000000055)	ND(0.0000000050)
HpCDDs (total)	ND(0.0000000077)	ND(0.0000000025)	ND(0.0000000055)	ND(0.0000000050)
OCDD	ND(0.0000000048)	ND(0.000000010)	ND(0.000000011)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000000081	0.0000000027	0.0000000076	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-3 06/16/99	OPCA-MW-3 05/02/01	OPCA-MW-3 04/20/07	OPCA-MW-3 10/09/07
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	NA	NA
Arsenic	ND(0.00600)	0.00420 B	NA	NA
Barium	0.00950	0.0760 B	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA
Cadmium	ND(0.00600) J	ND(0.00500)	NA	NA
Chromium	ND(0.0130)	ND(0.025) J	NA	NA
Cobalt	ND(0.0600)	ND(0.0500)	NA	NA
Copper	ND(0.0330)	0.00610 B	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA
Selenium	ND(0.00600)	0.00540	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(1.00)	ND(1.00)
Thallium	ND(0.0130)	ND(0.010) J	NA	NA
Tin	ND(0.300) j	ND(0.0300)	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA
Zinc	0.0880	0.035 J	NA	NA
Inorganics-Filtered				
Antimony	NA	ND(0.0600)	ND(0.0400)	ND(0.0400)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	NA	0.0700 B	0.0566 B	0.0620 B
Beryllium	NA	ND(0.00100)	0.00713 J	0.000330 B
Cadmium	NA	ND(0.00500)	ND(0.0100) J	ND(0.00500) J
Chromium	NA	ND(0.025) J	ND(0.0100)	ND(0.0100) J
Cobalt	NA	ND(0.0500)	ND(0.0100) J	ND(0.0100)
Copper	NA	0.00660 B	ND(0.0100) J	ND(0.0100)
Mercury	NA	ND(0.000200)	0.000197 B	ND(0.000285)
Nickel	NA	ND(0.0400)	0.00664 J	ND(0.0100)
Selenium	NA	ND(0.00500)	ND(0.0200)	ND(0.0200)
Thallium	NA	ND(0.010) J	ND(0.0100) J	ND(0.0100) J
Tin	NA	ND(0.0300)	ND(0.0100) J	ND(0.0100)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.017 J	0.0119 B	ND(0.0200)

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OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Sample ID: / Parameter / Date Collected:	OPCA-MW-3 04/23/08	OPCA-MW-4 06/15/99	OPCA-MW-4 05/02/01	OPCA-MW-4 04/18/07
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)
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)	ND(0.0010)
Dibromochloromethane	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0050)	ND(0.0020)	ND(0.0010)
Toluene	ND(0.0010)	ND(0.0050)	ND(0.0050)	ND(0.0010)
Trichloroethene	ND(0.0010)	ND(0.0050)	ND(0.0050)	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)	0.0010
PCBs-Unfiltered				
Aroclor-1254	NA	0.00089	0.000093	NA
Aroclor-1260	NA	ND(0.000050)	ND(0.000065)	NA
Total PCBs	NA	0.00089	0.000093	NA
PCBs-Filtered				
Aroclor-1254	ND(0.000066) J	NA	0.00015	ND(0.00011)
Aroclor-1260	ND(0.000066) J	NA	ND(0.000065)	0.000043 J
Total PCBs	ND(0.000066) J	NA	0.00015	0.000043 J
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0053)	ND(0.010)	ND(0.0060)	ND(0.010)
Dibenzofuran	ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.0053)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.0000000049)	ND(0.00000000070)	ND(0.0000000012)	ND(0.0000000016)
TCDFs (total)	ND(0.0000000049)	ND(0.00000000070)	0.000000016	ND(0.0000000016)
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000043)	ND(0.0000000083)	ND(0.0000000055)
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000040)	ND(0.000000011)	ND(0.0000000055)
PeCDFs (total)	ND(0.0000000052)	ND(0.0000000043)	ND(0.000000063)	ND(0.0000000055) Q
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000090)	ND(0.0000000053)	ND(0.0000000055)
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000092)	ND(0.0000000045)	ND(0.0000000055)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000087)	ND(0.0000000056)	ND(0.0000000055)
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000095)	ND(0.0000000032)	ND(0.0000000055)
HxCDFs (total)	ND(0.0000000052)	ND(0.0000000095)	ND(0.000000019)	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000053)	ND(0.000000020)	ND(0.0000000046)	ND(0.0000000055)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000067)	ND(0.000000020)	ND(0.0000000037)	ND(0.0000000055)
HpCDFs (total)	ND(0.0000000059)	ND(0.000000020)	ND(0.0000000084)	ND(0.0000000055)
OCDF	ND(0.000000012)	ND(0.000000020)	ND(0.0000000090)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000054)	ND(0.0000000013)	ND(0.0000000047)	ND(0.0000000018)
TCDDs (total)	ND(0.0000000054)	ND(0.0000000013)	ND(0.0000000047)	ND(0.0000000018)
1,2,3,7,8-PeCDD	ND(0.0000000052)	ND(0.000000018)	ND(0.0000000065)	ND(0.0000000055)
PeCDDs (total)	ND(0.0000000052)	ND(0.000000018)	ND(0.0000000065)	ND(0.0000000055)
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	ND(0.000000013)	ND(0.0000000043)	ND(0.0000000055)
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	ND(0.000000016)	ND(0.0000000016)	ND(0.0000000055)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.000000014)	ND(0.0000000052)	ND(0.0000000055)
HxCDDs (total)	ND(0.0000000052)	ND(0.000000016)	ND(0.0000000094)	ND(0.0000000055)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000077)	ND(0.000000027)	ND(0.0000000064)	ND(0.0000000055)
HpCDDs (total)	ND(0.0000000077)	ND(0.000000027)	ND(0.0000000064)	ND(0.0000000055)
OCDD	ND(0.000000012)	ND(0.000000030)	ND(0.000000029)	0.000000015 J
Total TEQs (WHO TEFs)	0.0000000089	0.000000015	0.000000010	0.0000000073

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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 04/23/08	OPCA-MW-4 06/15/99	OPCA-MW-4 05/02/01	OPCA-MW-4 04/18/07
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600)	ND(0.0600)	NA
Arsenic	NA	ND(0.00600)	ND(0.0100)	NA
Barium	NA	0.0370	0.0270 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)	ND(0.0100) J	NA
Cobalt	NA	ND(0.0600)	ND(0.0500)	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)	ND(5.00)	ND(1.00)
Thallium	NA	ND(0.0130)	ND(0.0100) J	NA
Tin	NA	ND(0.300)	ND(0.0300)	NA
Vanadium	NA	ND(0.0600)	ND(0.0500)	NA
Zinc	NA	ND(0.0260)	0.0130 J	NA
Inorganics-Filtered				
Antimony	ND(0.0400)	NA	0.00800 B	ND(0.0400)
Arsenic	ND(0.0100)	NA	ND(0.0100)	ND(0.0100) J
Barium	0.0277 B	NA	0.0260 B	0.00875 B
Beryllium	0.00548 J	NA	ND(0.00100)	ND(0.0100)
Cadmium	ND(0.00500) J	NA	ND(0.00500)	ND(0.0100)
Chromium	0.00224 B	NA	ND(0.0100) J	ND(0.0100)
Cobalt	ND(0.0100) J	NA	ND(0.0500)	ND(0.0100)
Copper	ND(0.0100) J	NA	ND(0.0250)	ND(0.0100) J
Mercury	ND(0.000285)	NA	ND(0.000200)	ND(0.000285)
Nickel	ND(0.0100) J	NA	ND(0.0400)	0.00585 B
Selenium	ND(0.0200)	NA	0.00650	ND(0.0200)
Thallium	0.00638 J	NA	ND(0.0100) J	ND(0.0100)
Tin	ND(0.0100) J	NA	ND(0.0300)	0.0332 J
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200)	NA	0.0150 J	0.0290

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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-4 04/22/08	OPCA-MW-5 06/15/99	OPCA-MW-5R 06/28/01
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Acetone	ND(0.0050) J	ND(0.0050) J	ND(0.10)	ND(0.010) J
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050) J
Chlorobenzene	ND(0.0010)	0.00012 J	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0050)	ND(0.0020)
Toluene	0.00032 J	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Trichloroethene	0.0017	0.0014 J	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010) J	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0010)	0.00032 J	ND(0.010)	ND(0.0020)
Total VOCs	0.0020 J	0.0018 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000051)	ND(0.000065)
Total PCBs	NA	NA	ND(0.000051)	ND(0.000065)
PCBs-Filtered				
Aroclor-1254	ND(0.000065)	ND(0.000068)	NA	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000068)	NA	ND(0.000065)
Total PCBs	ND(0.000065)	ND(0.000068)	NA	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	0.0016 J	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.0052)	ND(0.010)	0.011
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.0060) J
Dibenzofuran	ND(0.010)	ND(0.0052)	ND(0.010)	0.0038 J
Dimethylphthalate	ND(0.010)	ND(0.0052)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.0052)	ND(0.010)	0.062
Furans				
2,3,7,8-TCDF	ND(0.0000000020)	0.0000000094 J	ND(0.00000000080)	ND(0.0000000000015)
TCDFs (total)	ND(0.0000000020)	0.00000022	ND(0.00000000080)	ND(0.0000000000015)
1,2,3,7,8-PeCDF	ND(0.0000000052)	0.0000000074 J	ND(0.0000000028)	ND(0.00000000000080)
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000066)	ND(0.0000000027)	ND(0.00000000000080)
PeCDFs (total)	ND(0.0000000056)	0.000000042 J	ND(0.0000000028)	ND(0.00000000000080)
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000000020)
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000051)	ND(0.0000000000019)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000053)	ND(0.0000000049)	ND(0.0000000000024)
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000053)	ND(0.0000000000022)
HxCDFs (total)	ND(0.0000000052)	0.000000011 J	ND(0.0000000053)	ND(0.0000000000021)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	ND(0.0000000051)	ND(0.0000000088)	ND(0.0000000000019)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000052)	ND(0.0000000063)	ND(0.0000000088)	ND(0.0000000000023)
HpCDFs (total)	ND(0.0000000052)	ND(0.0000000055)	ND(0.0000000088)	ND(0.0000000000021)
OCDF	ND(0.000000010)	ND(0.000000013)	ND(0.0000000078)	ND(0.000000000010)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000025)	ND(0.0000000041)	ND(0.0000000012)	ND(0.0000000000031)
TCDDs (total)	ND(0.0000000025)	ND(0.0000000041)	ND(0.0000000012)	ND(0.0000000000031)
1,2,3,7,8-PeCDD	ND(0.0000000052)	ND(0.0000000051)	ND(0.000000014)	ND(0.0000000000015)
PeCDDs (total)	ND(0.0000000052)	ND(0.0000000051)	ND(0.000000014)	ND(0.0000000000044)
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000054)	ND(0.0000000062)	ND(0.0000000000029)
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	ND(0.0000000055)	ND(0.0000000077)	ND(0.0000000000031)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.0000000056)	ND(0.0000000068)	ND(0.0000000000028)
HxCDDs (total)	ND(0.0000000052)	ND(0.0000000055)	ND(0.0000000077)	ND(0.0000000000033)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000052)	ND(0.0000000085)	ND(0.000000012)	ND(0.0000000000028)
HpCDDs (total)	ND(0.0000000052)	ND(0.0000000085)	ND(0.000000012)	ND(0.0000000000040)
OCDD	ND(0.000000010)	ND(0.000000016)	ND(0.000000012)	ND(0.000000000016) X
Total TEQs (WHO TEFs)	0.0000000073	0.0000000095	0.000000011	0.0000000000035

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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-4 04/22/08	OPCA-MW-5 06/15/99	OPCA-MW-5R 06/28/01
Inorganics-Unfiltered				
Antimony	NA	NA	ND(0.0600)	ND(0.0600)
Arsenic	NA	NA	ND(0.00600)	0.00790 B
Barium	NA	NA	0.0290	0.0590 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)	0.00430 B
Cobalt	NA	NA	ND(0.0600)	0.00620 B
Copper	NA	NA	ND(0.0330)	ND(0.0250)
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	ND(0.00500)
Silver	NA	NA	ND(0.0130)	ND(0.00500)
Sulfide	ND(1.00)	1.00 J	ND(5.00)	8.00
Thallium	NA	NA	ND(0.0130)	ND(0.0100)
Tin	NA	NA	ND(0.300)	ND(0.0300)
Vanadium	NA	NA	ND(0.0600)	ND(0.0500)
Zinc	NA	NA	ND(0.0260)	0.0150 B
Inorganics-Filtered				
Antimony	ND(0.0400)	ND(0.0400)	NA	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Barium	0.0270 B	0.00975 B	NA	0.0440 B
Beryllium	0.00373 B	ND(0.0100) J	NA	0.000860 B
Cadmium	ND(0.00500) J	ND(0.00500) J	NA	0.00140 B
Chromium	ND(0.0100) J	0.00150 B	NA	ND(0.0100)
Cobalt	ND(0.0100)	ND(0.0100) J	NA	0.00660 B
Copper	ND(0.0100)	ND(0.0100) J	NA	ND(0.0250)
Mercury	ND(0.000285)	ND(0.000285)	NA	ND(0.000200)
Nickel	ND(0.0100)	ND(0.0100) J	NA	ND(0.0400)
Selenium	ND(0.0200)	ND(0.0200)	NA	ND(0.00500)
Thallium	ND(0.0100) J	0.00936 J	NA	ND(0.0100)
Tin	ND(0.0100)	ND(0.0100) J	NA	ND(0.0300)
Vanadium	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc	0.0100 B	0.0112 B	NA	0.0110 B

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OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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-5R 04/24/08	OPCA-MW-6 06/15/99
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
Acetone	ND(0.0050)	ND(0.0050) J	ND(0.0050) J	ND(0.10)
Bromoform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Chlorobenzene	ND(0.0010)	0.00024 J	0.00048 J	ND(0.0050)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0050)
Toluene	ND(0.0010)	0.00011 J	ND(0.0010) J	ND(0.0050)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010) J	ND(0.0050)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	0.0012 J	ND(0.010)
Total VOCs	ND(0.10)	0.00035 J	0.0017 J	ND(0.20)
PCBs-Unfiltered				
Aroclor-1254	NA	NA	NA	0.00012
Aroclor-1260	NA	NA	NA	ND(0.000050)
Total PCBs	NA	NA	NA	0.00012
PCBs-Filtered				
Aroclor-1254	ND(0.00011)	ND(0.00010)	ND(0.000068) J	NA
Aroclor-1260	0.00024	ND(0.00010)	ND(0.000068) J	NA
Total PCBs	0.00024	ND(0.00010)	ND(0.000068) J	NA
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.0051)	ND(0.010)
Furans				
2,3,7,8-TCDF	0.0000000017 J	0.0000000076 J	0.0000000042 J	ND(0.00000000090)
TCDFs (total)	0.0000000017 J	0.00000069 J	0.000000020	ND(0.00000000090)
1,2,3,7,8-PeCDF	ND(0.0000000053)	ND(0.0000000052) J	ND(0.0000000052)	ND(0.0000000033)
2,3,4,7,8-PeCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000031)
PeCDFs (total)	ND(0.0000000053) Q	0.00000090 J	ND(0.0000000052)	ND(0.0000000033)
1,2,3,4,7,8-HxCDF	ND(0.0000000053)	0.000000053	ND(0.0000000052)	ND(0.0000000089)
1,2,3,6,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000092)
1,2,3,7,8,9-HxCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000087)
2,3,4,6,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.0000000096)
HxCDFs (total)	ND(0.0000000053)	0.00000042 J	ND(0.0000000052)	ND(0.0000000095)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000020)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000020)
HpCDFs (total)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000020)
OCDF	ND(0.000000011)	ND(0.000000010)	ND(0.000000010)	ND(0.000000020)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000016)	ND(0.0000000014)	ND(0.0000000010)	ND(0.0000000012)
TCDDs (total)	ND(0.0000000016)	ND(0.0000000014)	ND(0.0000000010)	ND(0.0000000012)
1,2,3,7,8-PeCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000012)
PeCDDs (total)	ND(0.0000000053)	ND(0.0000000052) J	ND(0.0000000052)	ND(0.000000012)
1,2,3,4,7,8-HxCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000012)
1,2,3,6,7,8-HxCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000015)
1,2,3,7,8,9-HxCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000013)
HxCDDs (total)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000015)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000026)
HpCDDs (total)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000052)	ND(0.000000026)
OCDD	0.000000019 J	0.000000018 J	ND(0.000000010)	ND(0.000000029)
Total TEQs (WHO TEFs)	0.0000000070	0.000000012	0.0000000068	0.000000012

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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-5R 04/24/08	OPCA-MW-6 06/15/99
Inorganics-Unfiltered				
Antimony	NA	NA	NA	ND(0.0600)
Arsenic	NA	NA	NA	ND(0.00600)
Barium	NA	NA	NA	0.0300
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) J	ND(1.00) J	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	0.0161 B	0.0536 B	0.0609 B	NA
Beryllium	ND(0.0100)	0.000330 B	0.00251 J	NA
Cadmium	ND(0.0100)	ND(0.00500) J	ND(0.00500) J	NA
Chromium	ND(0.0100)	ND(0.0100) J	0.00134 B	NA
Cobalt	ND(0.0100)	ND(0.0100)	ND(0.0100) J	NA
Copper	ND(0.0100) J	ND(0.0100)	ND(0.0100) J	NA
Mercury	ND(0.000285)	ND(0.000285)	ND(0.000285)	NA
Nickel	ND(0.0100)	ND(0.0100)	ND(0.0100) J	NA
Selenium	ND(0.0200)	ND(0.0200)	ND(0.0200)	NA
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	NA
Tin	0.00102 J	ND(0.0100)	ND(0.0100) J	NA
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Zinc	0.0124 B	0.00813 B	0.00643 B	NA

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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 05/02/01	OPCA-MW-6 04/18/07	OPCA-MW-6 10/15/07	OPCA-MW-6 04/23/08
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)	ND(0.0050) J	0.0015 J
Bromoform	ND(0.0050)	ND(0.0010)	ND(0.0010) J	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)
Dibromochloromethane	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)	ND(0.0010)	ND(0.0010)	ND(0.0010)
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)	ND(0.0010)
Total VOCs	ND(0.20)	ND(0.10)	ND(0.10)	0.0015 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(0.000065)	0.00017 J
Aroclor-1260	ND(0.000065)	ND(0.00011)	ND(0.000065)	ND(0.000066) J
Total PCBs	ND(0.000065)	ND(0.00011)	ND(0.000065)	0.00017 J
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.010)	ND(0.010)	ND(0.0051)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0051)
Furans				
2,3,7,8-TCDF	ND(0.0000000012)	ND(0.0000000012)	ND(0.0000000021)	0.0000000044 J
TCDFs (total)	ND(0.0000000012)	ND(0.0000000012)	ND(0.0000000021)	0.0000000073 J
1,2,3,7,8-PeCDF	ND(0.0000000016)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
2,3,4,7,8-PeCDF	ND(0.0000000016)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
PeCDFs (total)	ND(0.0000000016)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
1,2,3,4,7,8-HxCDF	ND(0.0000000015)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
1,2,3,6,7,8-HxCDF	ND(0.0000000011)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
1,2,3,7,8,9-HxCDF	ND(0.0000000014)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
2,3,4,6,7,8-HxCDF	ND(0.0000000012)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
HxCDFs (total)	ND(0.0000000015)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000017)	ND(0.0000000053)	0.0000000052 J	ND(0.0000000051)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000020)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
HpCDFs (total)	ND(0.0000000018)	ND(0.0000000053)	0.0000000052 J	ND(0.0000000051)
OCDF	ND(0.0000000039)	ND(0.000000011)	0.000000013 J	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000017)	ND(0.0000000015)	ND(0.0000000028)	ND(0.0000000022)
TCDDs (total)	ND(0.0000000017)	ND(0.0000000015)	ND(0.0000000028)	ND(0.0000000022)
1,2,3,7,8-PeCDD	ND(0.0000000019)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
PeCDDs (total)	ND(0.0000000019)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
1,2,3,4,7,8-HxCDD	ND(0.0000000016)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
1,2,3,6,7,8-HxCDD	ND(0.0000000016)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
1,2,3,7,8,9-HxCDD	ND(0.0000000016)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
HxCDDs (total)	ND(0.0000000016)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000051)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000026)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000060)
HpCDDs (total)	ND(0.0000000026)	ND(0.0000000053)	ND(0.0000000052)	ND(0.0000000060)
OCDD	ND(0.0000000047)	ND(0.000000011)	0.000000016 J	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000000028	0.0000000068	0.0000000074	0.0000000073

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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 05/02/01	OPCA-MW-6 04/18/07	OPCA-MW-6 10/15/07	OPCA-MW-6 04/23/08
Inorganics-Unfiltered				
Antimony	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.0100)	NA	NA	NA
Barium	0.0170 B	NA	NA	NA
Beryllium	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0100) J	NA	NA	NA
Cobalt	ND(0.0500)	NA	NA	NA
Copper	0.00400 B	NA	NA	NA
Mercury	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0400)	NA	NA	NA
Selenium	0.00570	NA	NA	NA
Silver	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	ND(1.00)	ND(1.00)	ND(1.00)
Thallium	ND(0.0100) J	NA	NA	NA
Tin	ND(0.0300)	NA	NA	NA
Vanadium	ND(0.0500)	NA	NA	NA
Zinc	0.0210 J	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	0.0160 B	0.00684 B	ND(0.500)	0.00804 B
Beryllium	ND(0.00100)	ND(0.0100)	0.00366 J	ND(0.0100) J
Cadmium	ND(0.00500)	ND(0.0100)	ND(0.00500)	ND(0.00500) J
Chromium	ND(0.0100) J	ND(0.0100)	ND(0.0100)	0.00179 B
Cobalt	ND(0.0500)	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Copper	ND(0.0250)	ND(0.0100) J	ND(0.200)	ND(0.0100) J
Mercury	ND(0.000200)	ND(0.000285)	ND(0.000570)	ND(0.000285)
Nickel	ND(0.0400)	ND(0.0100)	ND(0.0500)	ND(0.0100) J
Selenium	0.00590	ND(0.0200)	ND(0.0200)	ND(0.0200)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	0.00656 J
Tin	ND(0.0300)	0.00108 J	0.00939 J	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.0150 J	ND(0.0200)	0.0196 B	ND(0.0200)

Table D-1
OPCA Monitoring Program

Baseline Groundwater Quality Interim Report For Spring 2008
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 06/15/99	OPCA-MW-7 05/01/01	OPCA-MW-7 04/19/07	OPCA-MW-7 10/11-10/18/2007
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.10)	ND(0.010)	ND(0.0050) J	ND(0.0050) J
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010) J
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0050)	ND(0.0020)	ND(0.0010)	ND(0.0010)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0010)	0.00029 J
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0010) J	ND(0.0010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.10)	0.00029 J
PCBs-Unfiltered				
Aroclor-1254	ND(0.000051)	ND(0.000065)	NA	NA
Aroclor-1260	ND(0.000051)	ND(0.000065)	NA	NA
Total PCBs	ND(0.000051)	ND(0.000065)	NA	NA
PCBs-Filtered				
Aroclor-1254	NA	ND(0.000065)	ND(0.00010)	0.0012
Aroclor-1260	NA	ND(0.000065)	ND(0.00010)	0.00091
Total PCBs	NA	ND(0.000065)	ND(0.00010)	0.00211
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.011)	ND(0.0060)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.00000000080)	ND(0.0000000014)	ND(0.0000000019)	ND(0.0000000035)
TCDFs (total)	ND(0.00000000080)	ND(0.0000000014)	ND(0.0000000019)	ND(0.0000000035)
1,2,3,7,8-PeCDF	ND(0.0000000030)	ND(0.0000000016)	ND(0.0000000056)	ND(0.0000000054)
2,3,4,7,8-PeCDF	ND(0.0000000028)	ND(0.0000000016)	ND(0.0000000056)	ND(0.0000000054)
PeCDFs (total)	ND(0.0000000030)	ND(0.0000000016)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8-HxCDF	ND(0.0000000069)	ND(0.0000000016)	0.0000000057 J	ND(0.0000000054)
1,2,3,6,7,8-HxCDF	ND(0.0000000070)	ND(0.00000000090)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,7,8,9-HxCDF	ND(0.0000000067)	ND(0.0000000011)	ND(0.0000000056)	ND(0.0000000054)
2,3,4,6,7,8-HxCDF	ND(0.0000000073)	ND(0.0000000010)	ND(0.0000000056)	ND(0.0000000054)
HxCDFs (total)	ND(0.0000000073)	ND(0.0000000016)	0.0000000057 J	ND(0.0000000054)
1,2,3,4,6,7,8-HpCDF	ND(0.000000013)	ND(0.0000000016)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8,9-HpCDF	ND(0.000000013)	ND(0.0000000020)	ND(0.0000000056)	ND(0.0000000054)
HpCDFs (total)	ND(0.000000013)	ND(0.0000000018)	ND(0.0000000056)	ND(0.0000000054)
OCDF	ND(0.000000012)	ND(0.0000000038)	ND(0.000000011)	ND(0.000000011)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000013)	ND(0.0000000020)	ND(0.0000000019)	ND(0.0000000045)
TCDDs (total)	ND(0.0000000013)	ND(0.0000000020)	ND(0.0000000019)	ND(0.0000000045)
1,2,3,7,8-PeCDD	ND(0.000000010)	ND(0.0000000021)	ND(0.0000000056)	ND(0.0000000054)
PeCDDs (total)	ND(0.000000010)	ND(0.0000000021)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,7,8-HxCDD	ND(0.0000000097)	ND(0.0000000017)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,6,7,8-HxCDD	ND(0.000000012)	ND(0.0000000017)	ND(0.0000000056)	ND(0.0000000054)
1,2,3,7,8,9-HxCDD	ND(0.000000011)	ND(0.0000000016)	ND(0.0000000056)	ND(0.0000000054)
HxCDDs (total)	ND(0.000000012)	ND(0.000000010) X	ND(0.0000000056)	ND(0.0000000054)
1,2,3,4,6,7,8-HpCDD	ND(0.000000017)	ND(0.0000000030)	ND(0.0000000056)	ND(0.0000000054)
HpCDDs (total)	ND(0.000000017)	ND(0.0000000030)	ND(0.0000000056)	ND(0.0000000054)
OCDD	ND(0.000000018)	ND(0.0000000048)	0.000000016 J	0.000000015 J
Total TEQs (WHO TEFs)	0.0000000098	0.0000000031	0.0000000078	0.0000000086

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OPCA Monitoring Program

Baseline Groundwater Quality Interim Report For Spring 2008
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 06/15/99	OPCA-MW-7 05/01/01	OPCA-MW-7 04/19/07	OPCA-MW-7 10/11-10/18/2007
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	NA	NA
Arsenic	ND(0.00600)	ND(0.0100)	NA	NA
Barium	0.0270	0.0600 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)	0.00790 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)	ND(1.00)	ND(1.00) J
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	ND(0.0260)	0.0200 B	NA	NA
Inorganics-Filtered				
Antimony	NA	ND(0.0600)	ND(0.0400)	ND(0.0400)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	NA	0.0570 J	ND(0.0100)	0.0869 B
Beryllium	NA	ND(0.00100)	ND(0.0100) J	ND(0.0100) J
Cadmium	NA	ND(0.00500)	ND(0.0100) J	ND(0.00500)
Chromium	NA	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Cobalt	NA	ND(0.0500)	ND(0.0100) J	ND(0.0100)
Copper	NA	0.00730 J	ND(0.0100) J	ND(0.0100) J
Mercury	NA	ND(0.000200)	ND(0.000285)	ND(0.000285)
Nickel	NA	ND(0.0400)	ND(0.0100) J	ND(0.0100)
Selenium	NA	ND(0.00500) J	0.00889 B	ND(0.0200)
Thallium	NA	ND(0.0100) J	ND(0.0100)	ND(0.0100) J
Tin	NA	ND(0.100)	ND(0.0100) J	ND(0.100) J
Vanadium	NA	ND(0.0500)	0.00657 B	ND(0.0500)
Zinc	NA	0.0200 B	0.0400	0.0208

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OPCA Monitoring Program

Baseline Groundwater Quality Interim Report For Spring 2008
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 04/21/08	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
1,1-Dichloroethane	ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Acetone	ND(0.0050) J	ND(0.10)	ND(0.010) [ND(0.010)]
Bromoform	ND(0.0010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chlorobenzene	ND(0.0010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chloroform	ND(0.0010)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Dibromochloromethane	0.00014 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Tetrachloroethene	ND(0.0010)	ND(0.0050)	ND(0.0020) [ND(0.0020)]
Toluene	ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Trichloroethene	ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Trichlorofluoromethane	ND(0.0010) J	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Vinyl Chloride	ND(0.0010) J	ND(0.010)	ND(0.0020) [ND(0.0020)]
Total VOCs	0.00014 J	ND(0.20)	ND(0.20) [ND(0.20)]
PCBs-Unfiltered			
Aroclor-1254	NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]
Aroclor-1260	NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]
Total PCBs	NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]
PCBs-Filtered			
Aroclor-1254	ND(0.000068)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1260	ND(0.000068)	NA	ND(0.000065) [ND(0.000065)]
Total PCBs	ND(0.000068)	NA	ND(0.000065) [ND(0.000065)]
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]
Acenaphthene	ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	ND(0.0052)	ND(0.010)	ND(0.0060) [ND(0.0060)]
Dibenzofuran	ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]
Dimethylphthalate	ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]
Naphthalene	ND(0.0052)	ND(0.010)	ND(0.010) [ND(0.010)]
Furans			
2,3,7,8-TCDF	ND(0.0000000012)	ND(0.00000000070)	ND(0.0000000010) [ND(0.0000000018) X]
TCDFs (total)	ND(0.0000000012)	ND(0.00000000070)	ND(0.0000000010) [ND(0.0000000032) X]
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000029)	ND(0.0000000028) [ND(0.000000026)]
2,3,4,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000027)	ND(0.0000000011) [0.0000000034 J]
PeCDFs (total)	ND(0.0000000052)	ND(0.0000000029)	ND(0.0000000028) [0.000000040]
1,2,3,4,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000097)	ND(0.0000000014) [ND(0.0000000045)]
1,2,3,6,7,8-HxCDF	ND(0.0000000052)	ND(0.0000000099)	ND(0.00000000070) [ND(0.0000000028)]
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000094)	ND(0.00000000090) [0.0000000018 JB]
2,3,4,6,7,8-HxCDF	ND(0.0000000052)	ND(0.000000010)	ND(0.00000000080) [ND(0.0000000023)]
HxCDFs (total)	ND(0.0000000052)	ND(0.000000010)	ND(0.0000000014) [0.000000025]
1,2,3,4,6,7,8-HpCDF	ND(0.0000000052)	ND(0.000000022)	ND(0.0000000013) [ND(0.0000000036) XB]
1,2,3,4,7,8,9-HpCDF	ND(0.0000000052)	ND(0.000000022)	ND(0.0000000016) [0.0000000040 JB]
HpCDFs (total)	ND(0.0000000052)	ND(0.000000022)	ND(0.0000000014) [0.0000000058]
OCDF	ND(0.000000010)	ND(0.000000025)	ND(0.0000000031) [0.0000000095 J]
Dioxins			
2,3,7,8-TCDD	ND(0.0000000014)	ND(0.0000000011)	ND(0.0000000013) [ND(0.0000000014)]
TCDDs (total)	ND(0.0000000014)	ND(0.0000000011)	ND(0.0000000013) [ND(0.0000000014)]
1,2,3,7,8-PeCDD	ND(0.0000000052)	ND(0.000000011)	ND(0.0000000016) [ND(0.0000000040)]
PeCDDs (total)	ND(0.0000000052)	ND(0.000000011)	ND(0.0000000016) [0.0000000040]
1,2,3,4,7,8-HxCDD	ND(0.0000000052)	ND(0.000000013)	ND(0.0000000013) [ND(0.0000000024)]
1,2,3,6,7,8-HxCDD	ND(0.0000000052)	ND(0.000000016)	ND(0.0000000013) [ND(0.0000000019) XB]
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.000000014)	ND(0.0000000012) [ND(0.0000000038)]
HxCDDs (total)	ND(0.0000000052)	ND(0.000000016)	ND(0.000000012) [0.0000000062]
1,2,3,4,6,7,8-HpCDD	ND(0.0000000052)	ND(0.000000030)	ND(0.0000000024) [ND(0.0000000081)]
HpCDDs (total)	ND(0.0000000052)	ND(0.000000030)	ND(0.0000000014) X [0.000000012]
OCDD	ND(0.000000010)	ND(0.000000037)	ND(0.0000000051) XB [ND(0.000000043)]
Total TEQs (WHO TEFs)	0.0000000067	0.000000011	0.0000000023 [0.0000000063]

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OPCA Monitoring Program

Baseline Groundwater Quality Interim Report For Spring 2008
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 04/21/08	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01
Inorganics-Unfiltered			
Antimony	NA	ND(0.0600)	ND(0.0600) [ND(0.0600)]
Arsenic	NA	ND(0.00600)	ND(0.0100) J [ND(0.0100) J]
Barium	NA	0.0860	0.0290 B [0.0300 B]
Beryllium	NA	ND(0.00600)	ND(0.00100) [ND(0.00100)]
Cadmium	NA	ND(0.00600)	ND(0.00500) [ND(0.00500)]
Chromium	NA	ND(0.0130)	0.00600 B [0.00520 B]
Cobalt	NA	ND(0.0600)	ND(0.0500) [ND(0.0500)]
Copper	NA	ND(0.0330)	ND(0.0250) [ND(0.0250)]
Mercury	NA	ND(0.000500)	ND(0.000200) [ND(0.000200)]
Nickel	NA	ND(0.0600)	ND(0.0400) [ND(0.0400)]
Selenium	NA	ND(0.00600) J	ND(0.00500) [ND(0.00500)]
Silver	NA	ND(0.0130)	ND(0.00500) [ND(0.00500)]
Sulfide	1.00 J	ND(5.00)	ND(5.00) [ND(5.00)]
Thallium	NA	ND(0.0130)	ND(0.0100) J [ND(0.0100) J]
Tin	NA	ND(0.300)	ND(0.100) [ND(0.100)]
Vanadium	NA	ND(0.0600)	ND(0.0500) [ND(0.0500)]
Zinc	NA	ND(0.0260)	0.0970 [0.120]
Inorganics-Filtered			
Antimony	ND(0.0400)	NA	ND(0.0600) [ND(0.0600)]
Arsenic	ND(0.0100)	NA	ND(0.0100) J [ND(0.0100) J]
Barium	0.0276 B	NA	0.0280 J [0.0280 J]
Beryllium	ND(0.0100) J	NA	ND(0.00100) [ND(0.00100)]
Cadmium	ND(0.00500) J	NA	ND(0.00500) [ND(0.00500)]
Chromium	0.00134 B	NA	0.00290 B [0.00370 B]
Cobalt	ND(0.0100) J	NA	ND(0.0500) [ND(0.0500)]
Copper	ND(0.0100) J	NA	ND(0.0250) [0.00420 B]
Mercury	ND(0.000285)	NA	ND(0.000200) [ND(0.000200)]
Nickel	ND(0.0100) J	NA	ND(0.0400) [0.00410 B]
Selenium	ND(0.0200)	NA	ND(0.00500) [ND(0.00500)]
Thallium	0.0148 J	NA	ND(0.0100) J [ND(0.0100) J]
Tin	ND(0.0100) J	NA	ND(0.100) [ND(0.100)]
Vanadium	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]
Zinc	0.0178 B	NA	0.0540 [0.0560]

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OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
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	OPCA-MW-8 04/23/08
Volatile Organics			
1,1,1-Trichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,1-Dichloroethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Acetone	ND(0.0050)	ND(0.0050) J	ND(0.0050) J
Bromoform	ND(0.0010)	ND(0.0010) J	ND(0.0010)
Chlorobenzene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chloroform	ND(0.0010)	ND(0.0010)	ND(0.0010)
Dibromochloromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Tetrachloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Toluene	0.011	ND(0.0010)	ND(0.0010)
Trichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Trichlorofluoromethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
Vinyl Chloride	ND(0.0010)	ND(0.0010)	ND(0.0010)
Total VOCs	0.011	ND(0.10)	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(0.00012)	ND(0.00010)	0.00019 J
Aroclor-1260	ND(0.00012)	ND(0.00010)	ND(0.000069) J
Total PCBs	ND(0.00012)	ND(0.00010)	0.00019 J
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.0051)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.0051)
bis(2-Ethylhexyl)phthalate	ND(0.010)	0.0017 J	0.0011 J
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.0051)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.0051)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.0051)
Furans			
2,3,7,8-TCDF	0.0000000014 J	ND(0.0000000026)	ND(0.0000000050)
TCDFs (total)	0.0000000014 J	ND(0.0000000026)	0.000000017
1,2,3,7,8-PeCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
PeCDFs (total)	ND(0.0000000051) Q	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,7,8,9-HxCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
2,3,4,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
HxCDFs (total)	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000060)
HpCDFs (total)	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000053)
OCDF	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000015)	ND(0.0000000032)	ND(0.0000000044)
TCDDs (total)	ND(0.0000000015)	ND(0.0000000032)	ND(0.0000000044)
1,2,3,7,8-PeCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
PeCDDs (total)	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,7,8-HxCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,7,8,9-HxCDD	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
HxCDDs (total)	ND(0.0000000051)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,6,7,8-HpCDD	0.0000000063 J	ND(0.0000000059)	ND(0.0000000085)
HpCDDs (total)	0.0000000063 J	ND(0.0000000059)	ND(0.0000000085)
OCDD	0.000000035 J	0.000000020 J	0.000000017 J
Total TEQs (WHO TEFs)	0.0000000067	0.0000000075	0.0000000084

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Groundwater Quality Interim Report For Spring 2008
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	OPCA-MW-8 04/23/08
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	ND(1.00)	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	ND(0.0400)	ND(0.0400)	ND(0.0400)
Arsenic	ND(0.0100) J	ND(0.0100)	ND(0.0100)
Barium	0.00799 B	ND(0.100)	0.00521 B
Beryllium	ND(0.0100)	ND(0.0100) J	0.00141 J
Cadmium	ND(0.0100)	ND(0.00500)	ND(0.00500) J
Chromium	ND(0.0100)	ND(0.0100)	0.00210 B
Cobalt	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Copper	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Mercury	ND(0.000285)	ND(0.000285)	ND(0.000285)
Nickel	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Selenium	ND(0.0200)	ND(0.0200)	ND(0.0200)
Thallium	ND(0.0100) J	ND(0.0100) J	0.00674 J
Tin	0.004120 J	ND(0.100) J	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.00294 B	0.00726 B	0.298

Table D-1
OPCA Monitoring Program

Groundwater Quality Interim Report For Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by ARCADIS 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. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles, 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.

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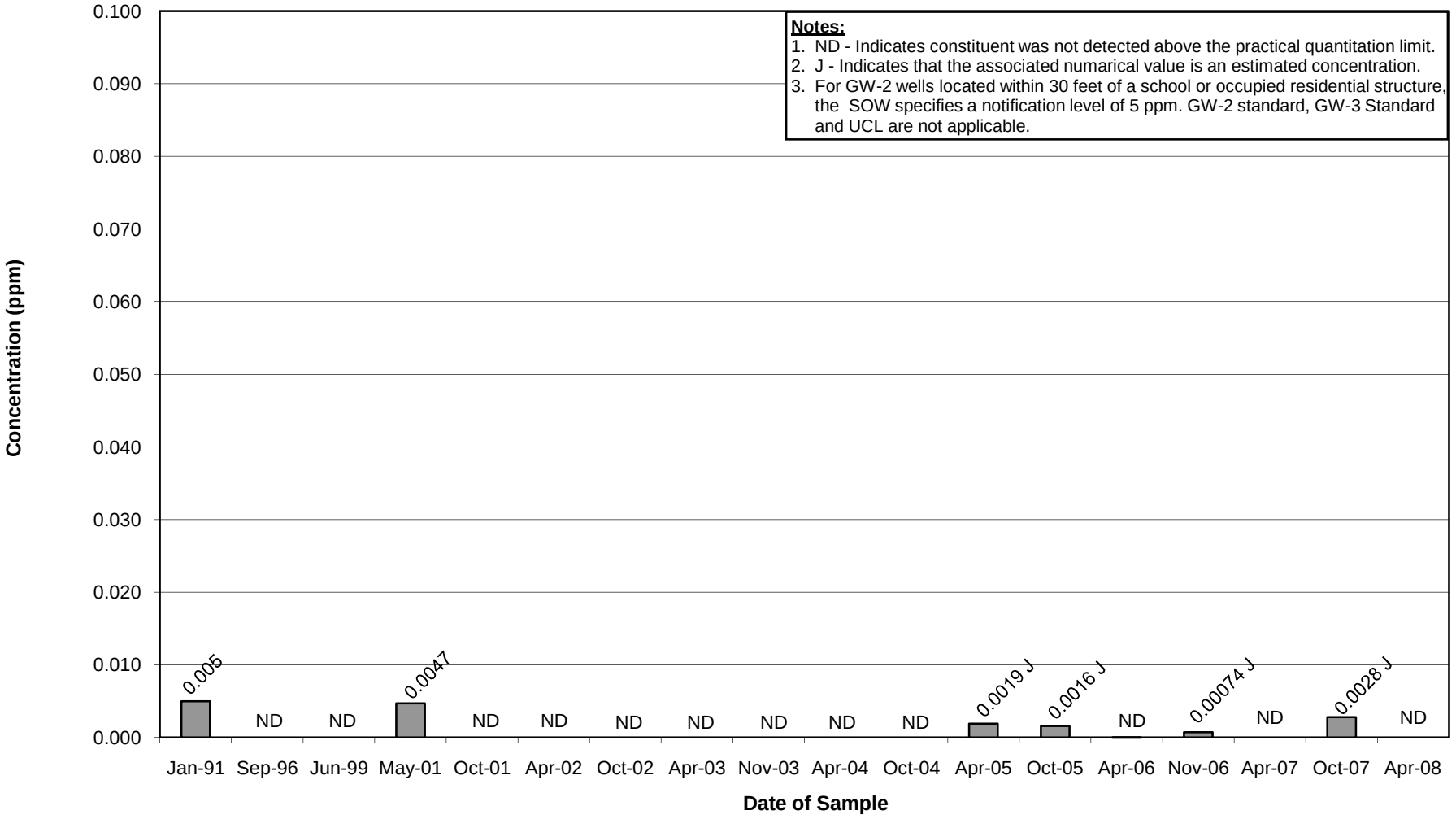
Historical Groundwater Data

Total VOC Concentrations –
Wells Sampled in Spring 2008

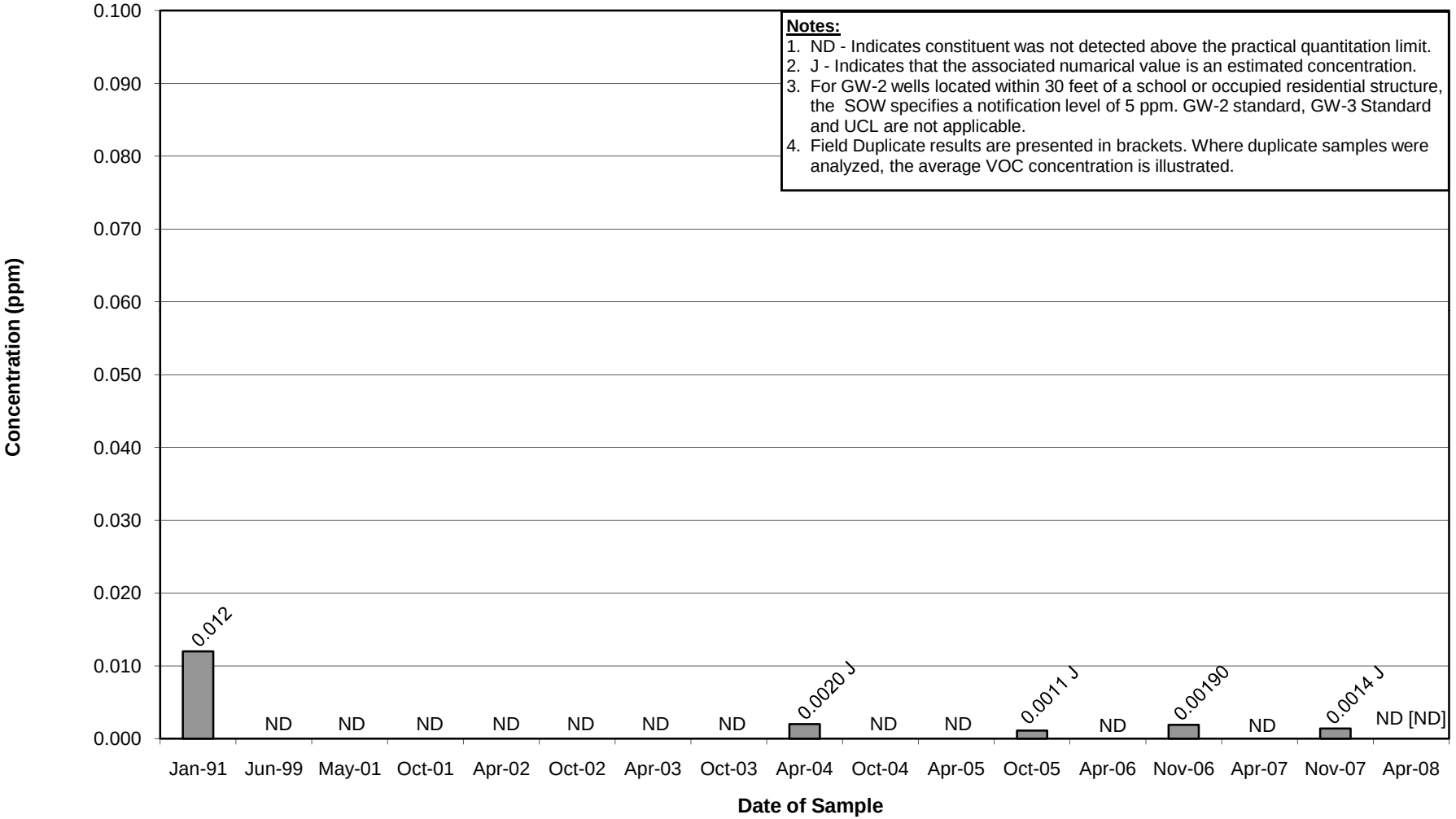
Appendix D
Well 78-1 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



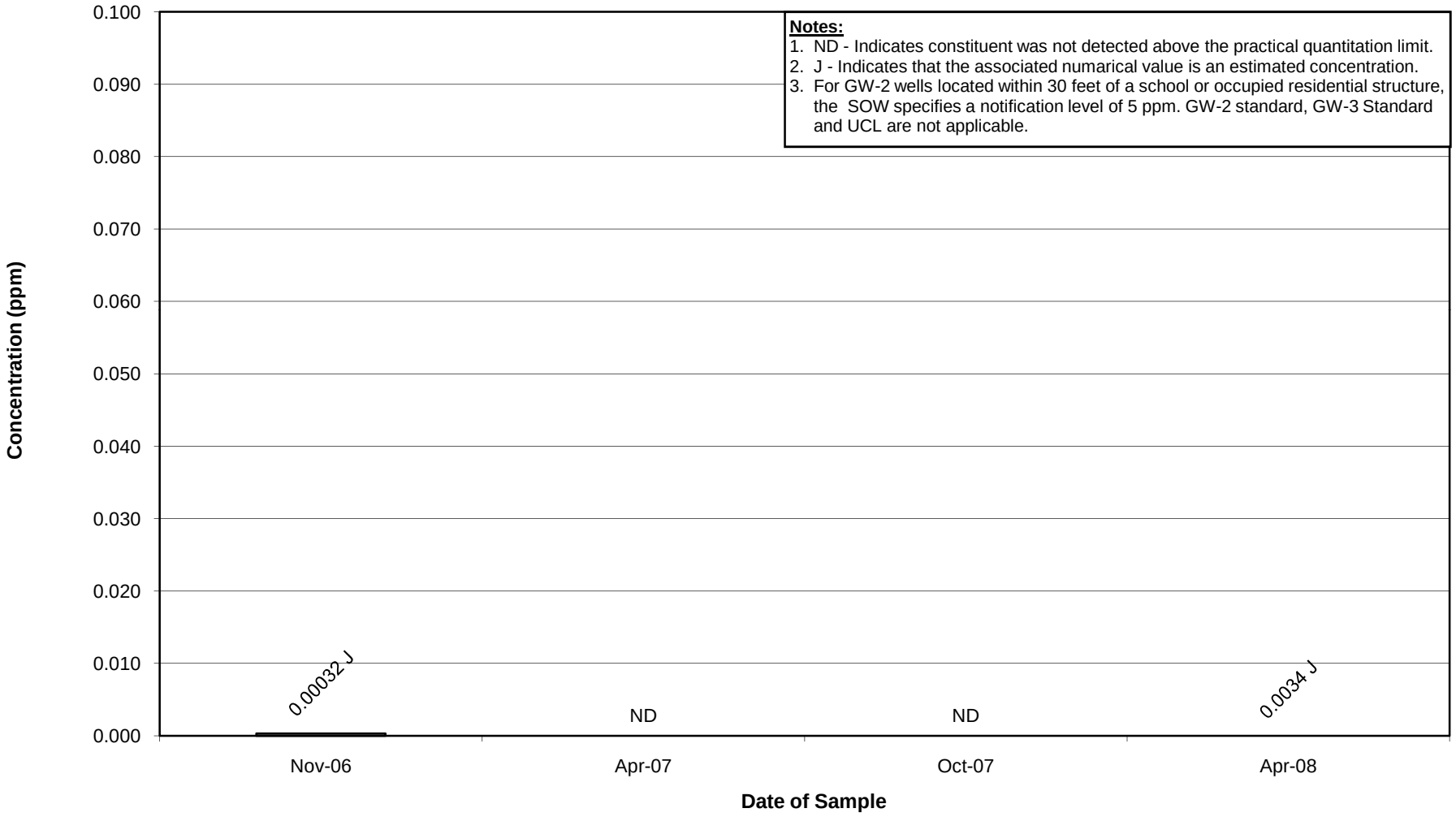
Appendix D
Well 78-6 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



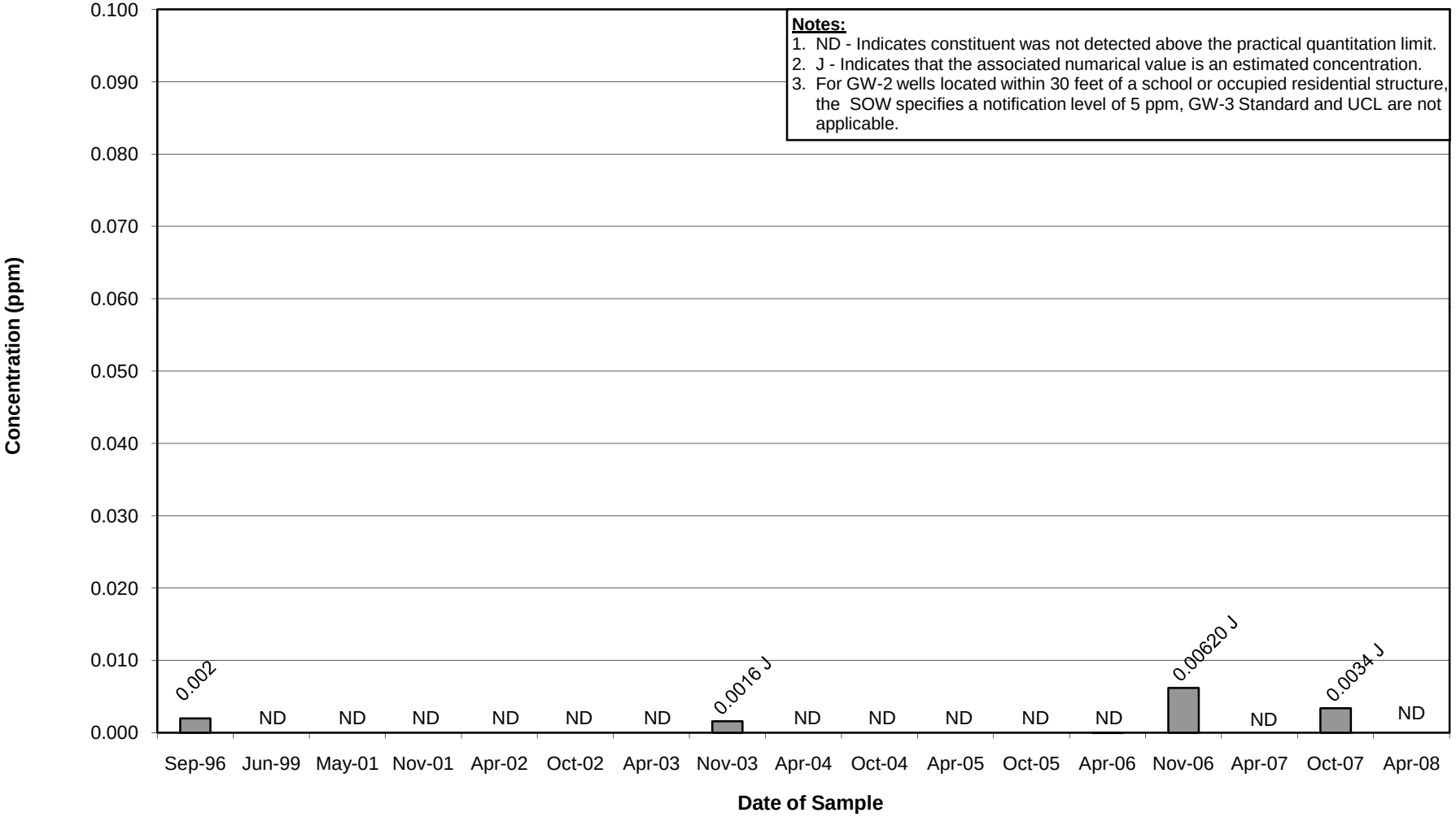
Appendix D
Well GMA4-6 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



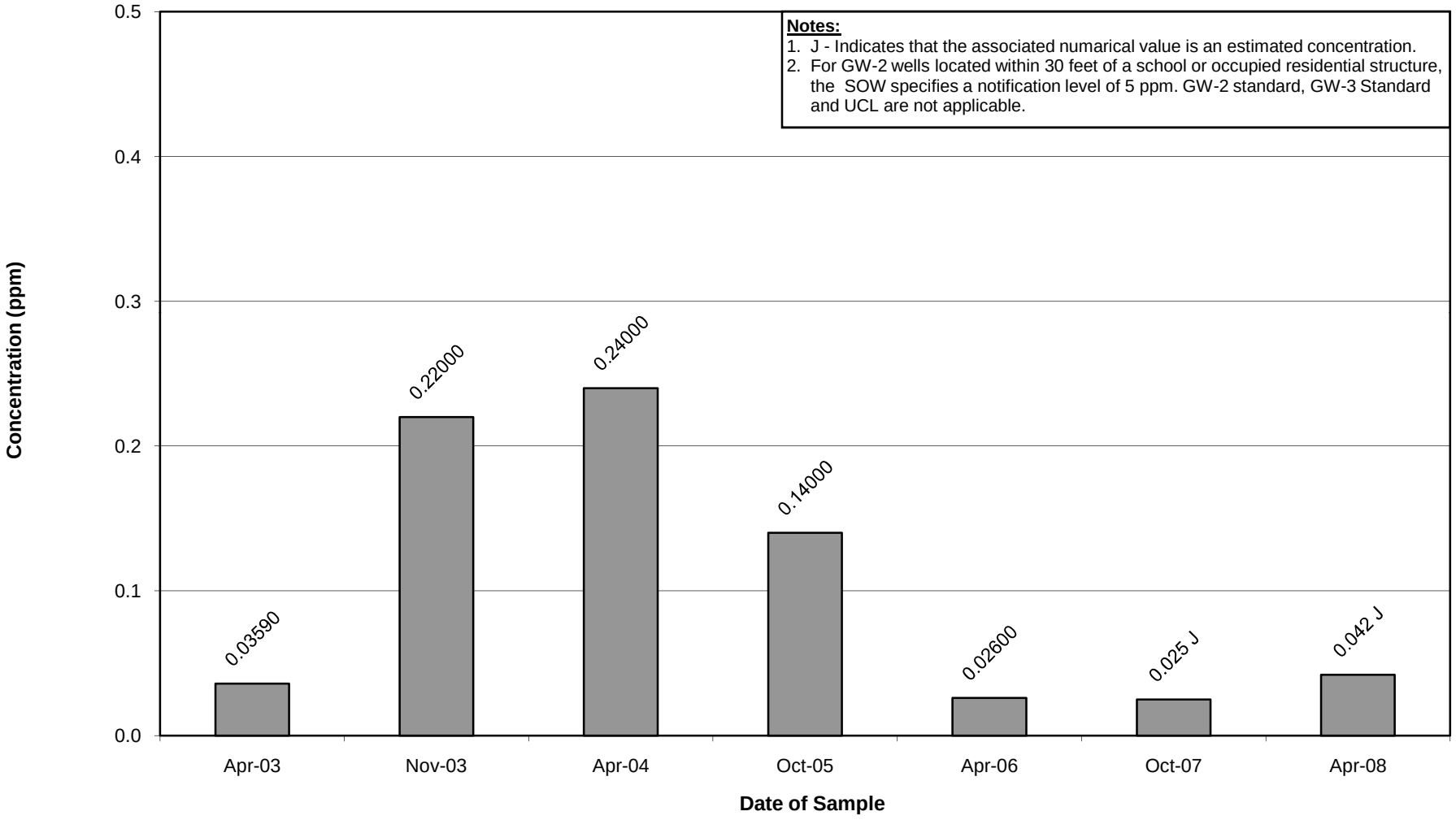
Appendix D
Well H78B-15 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



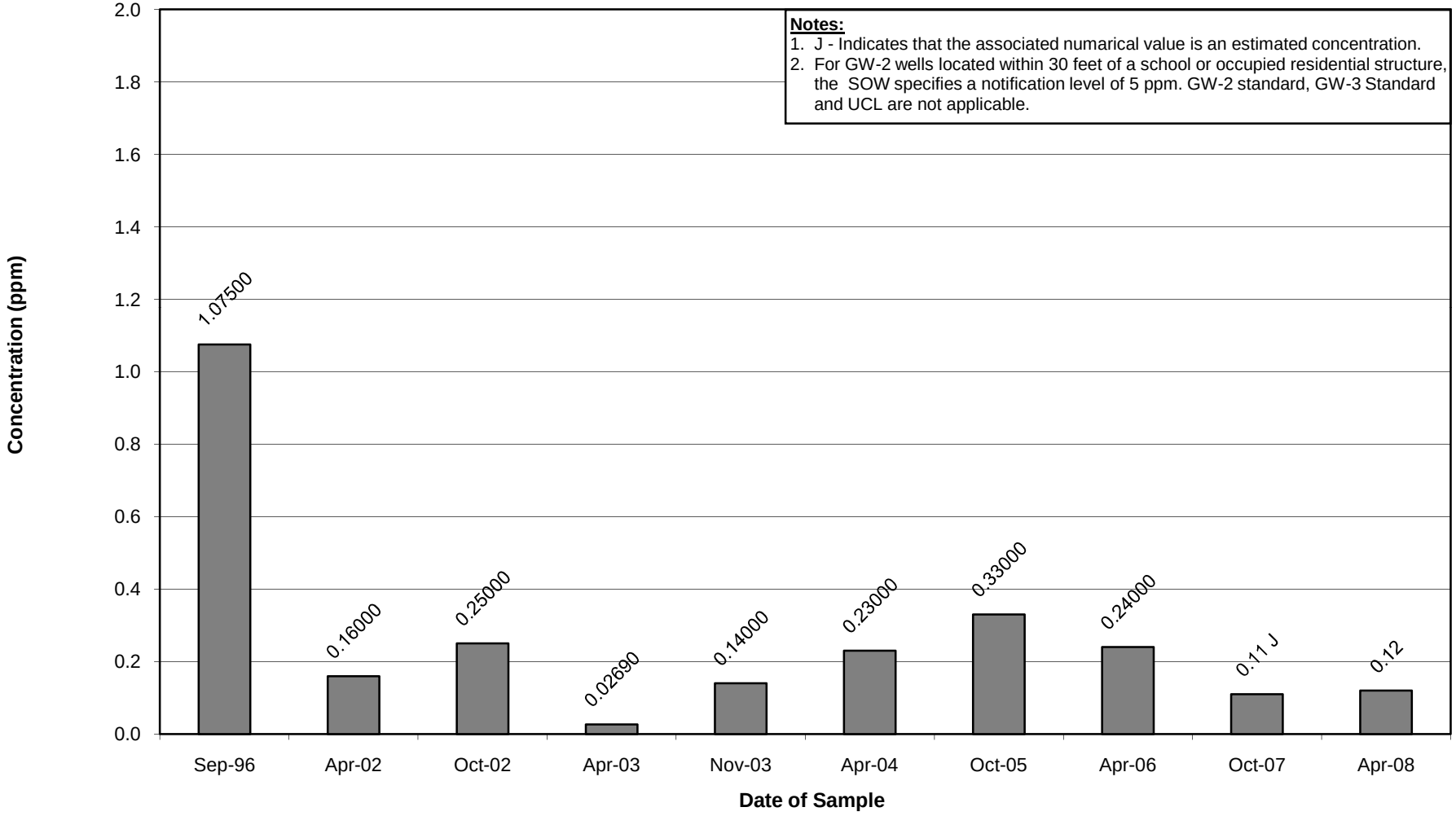
Appendix D
Well H78B-16 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



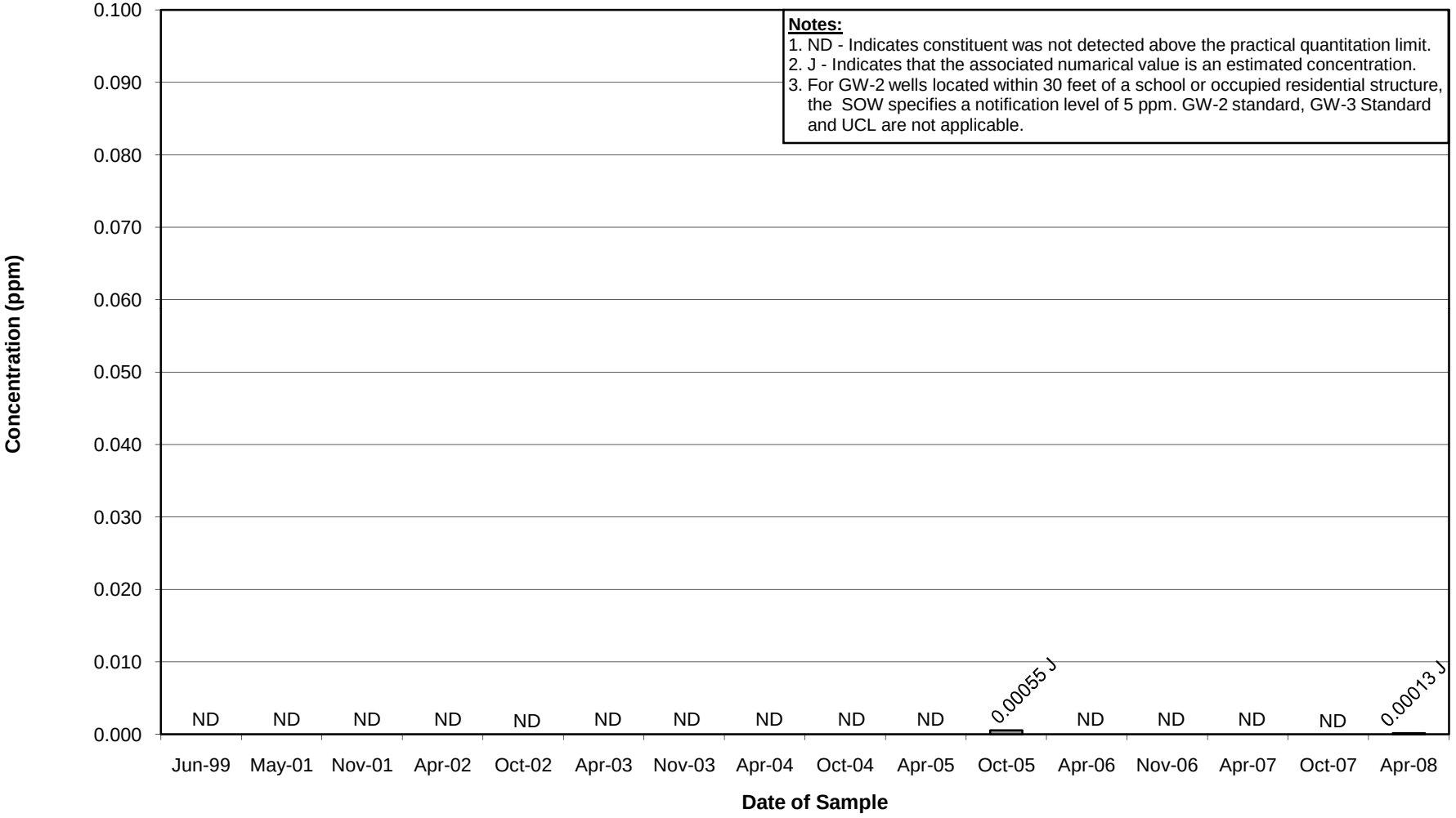
Appendix D
Well H78B-17R Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



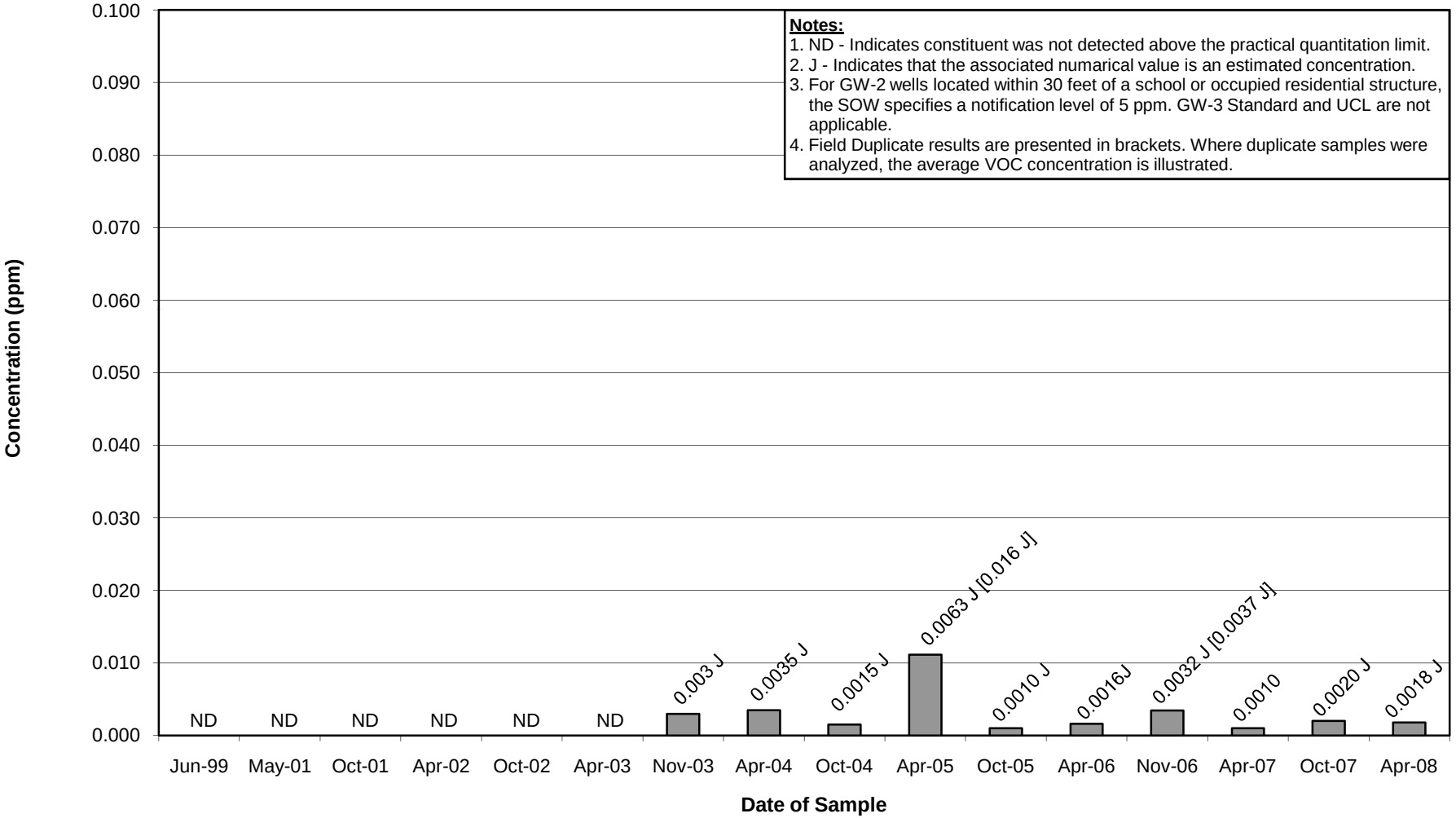
Appendix D
Well OPCA-MW-3 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



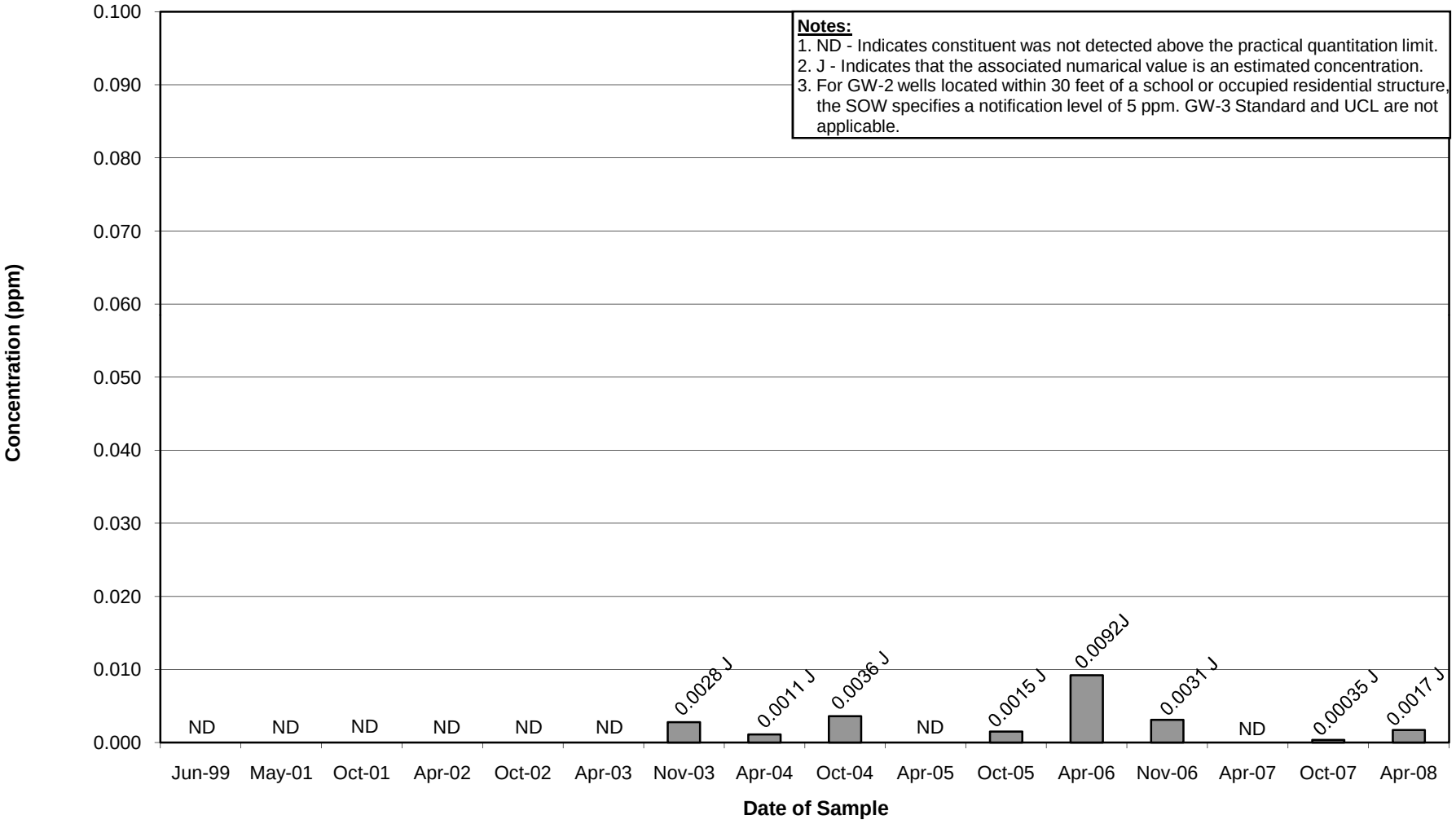
Appendix D
Well OPCA-MW-4 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



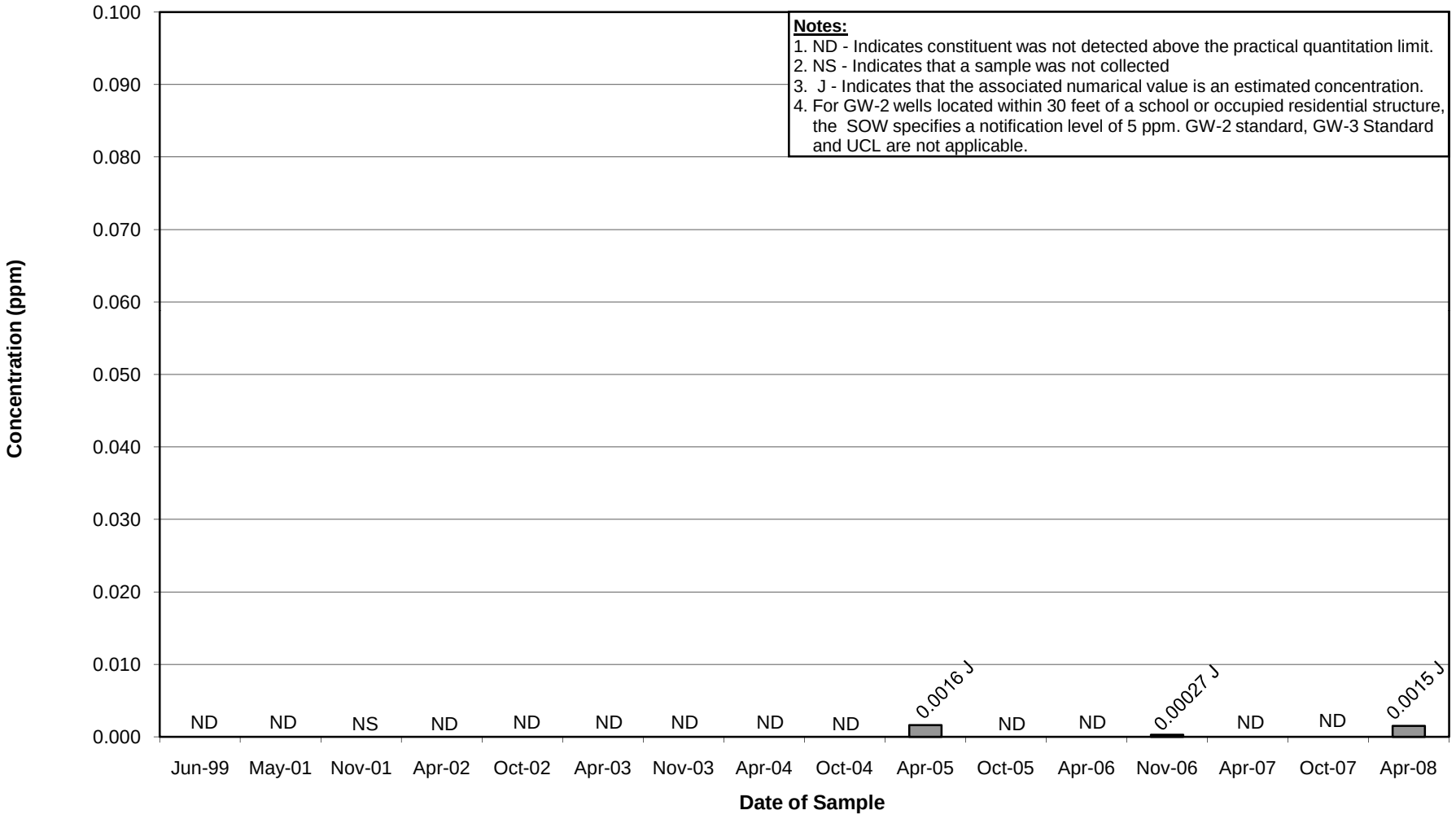
Appendix D
Well OPCA-MW-5R Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



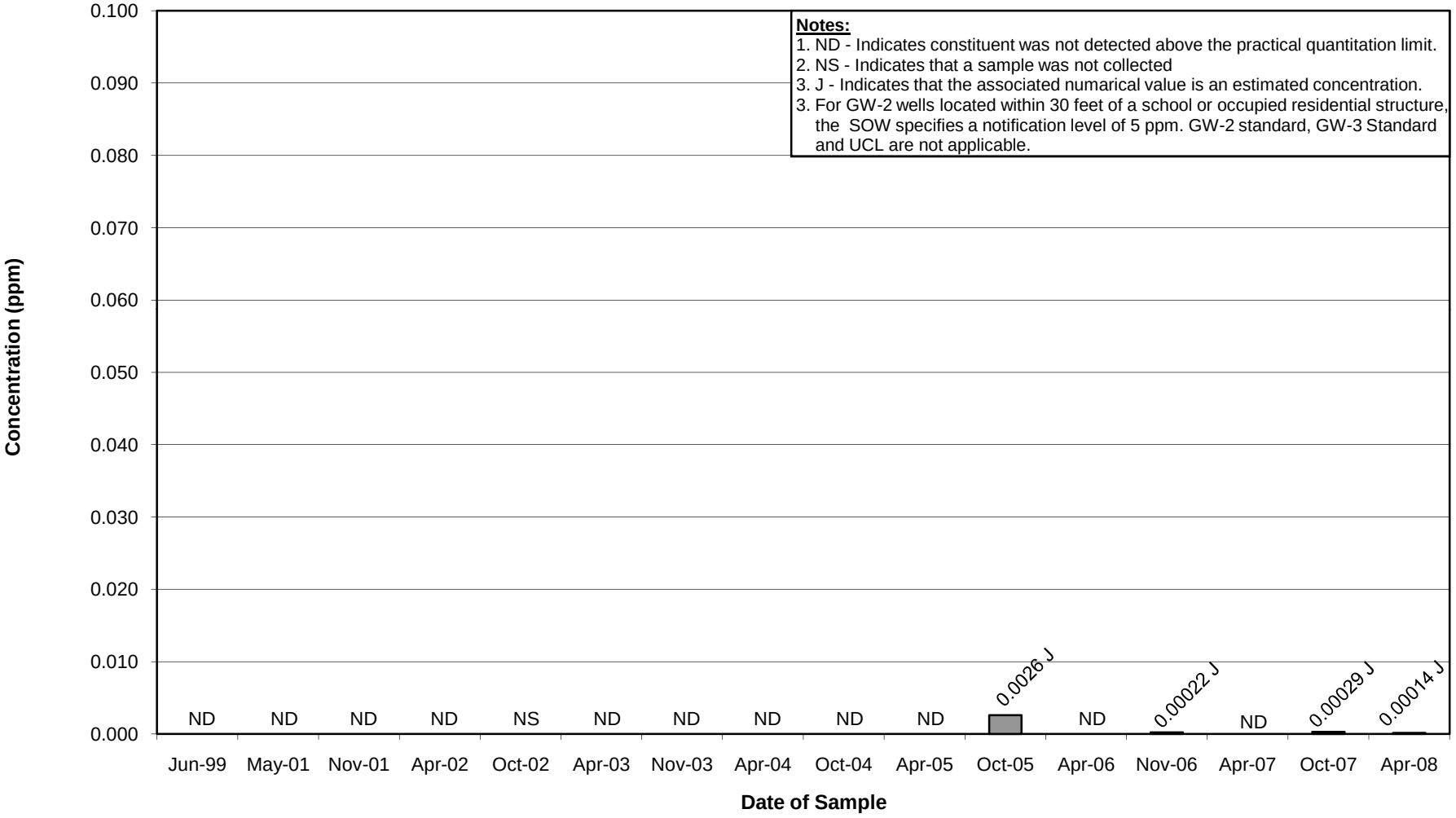
Appendix D
Well OPCA-MW-6 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



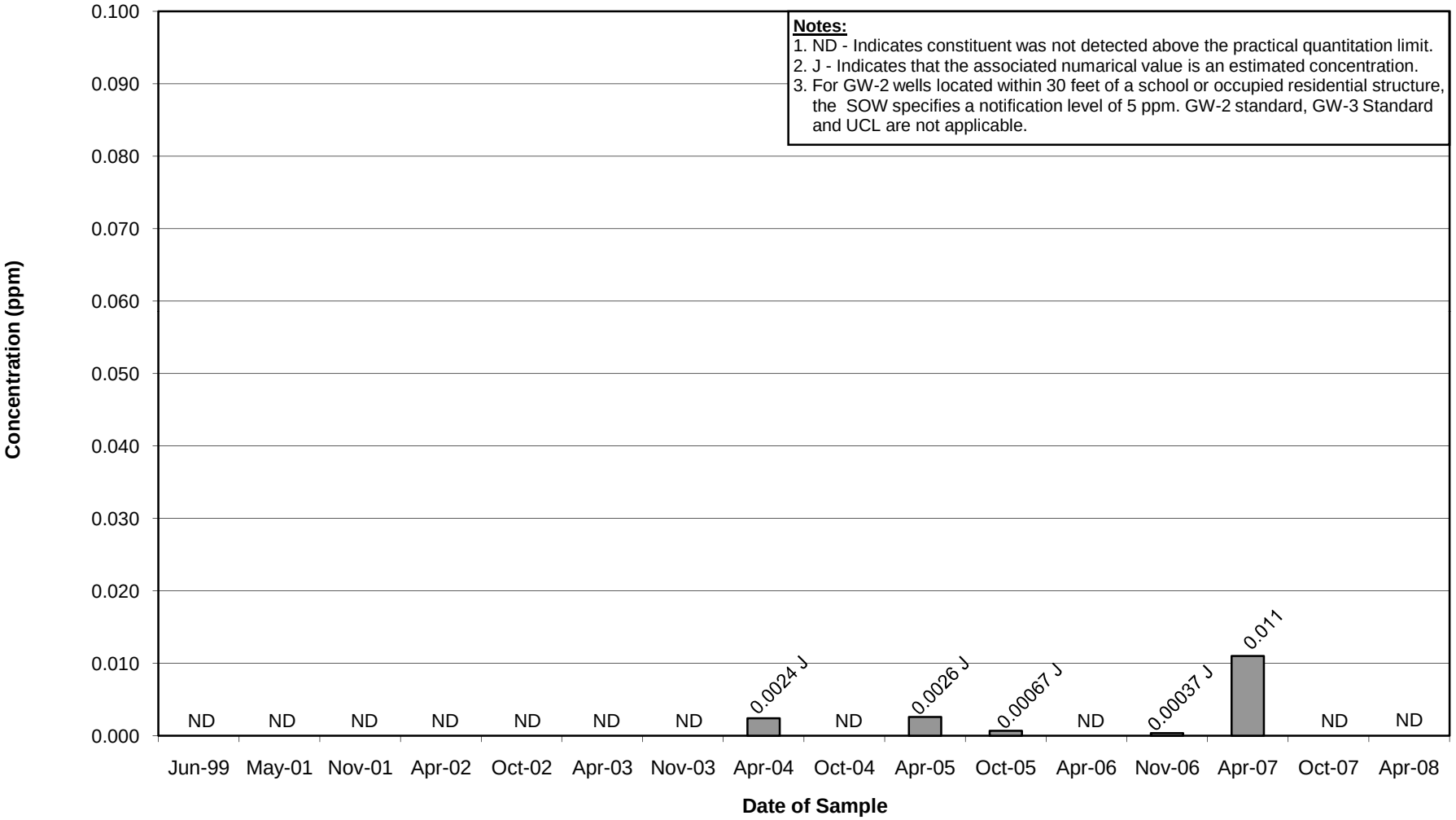
Appendix D
Well OPCA-MW-7 Historical Total VOC Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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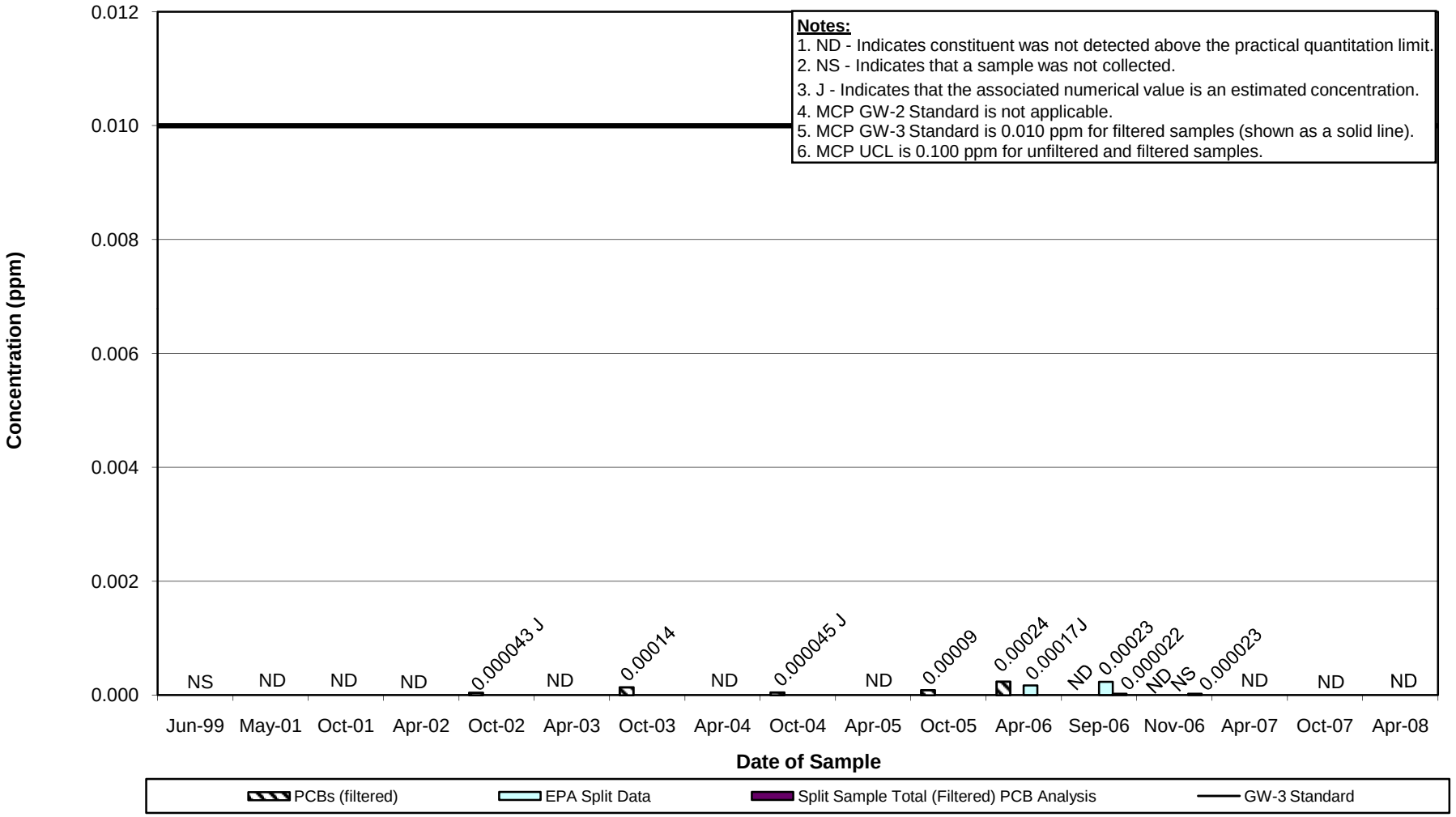
Historical Groundwater Data

Total PCB Concentrations –
Wells Sampled in Spring 2008

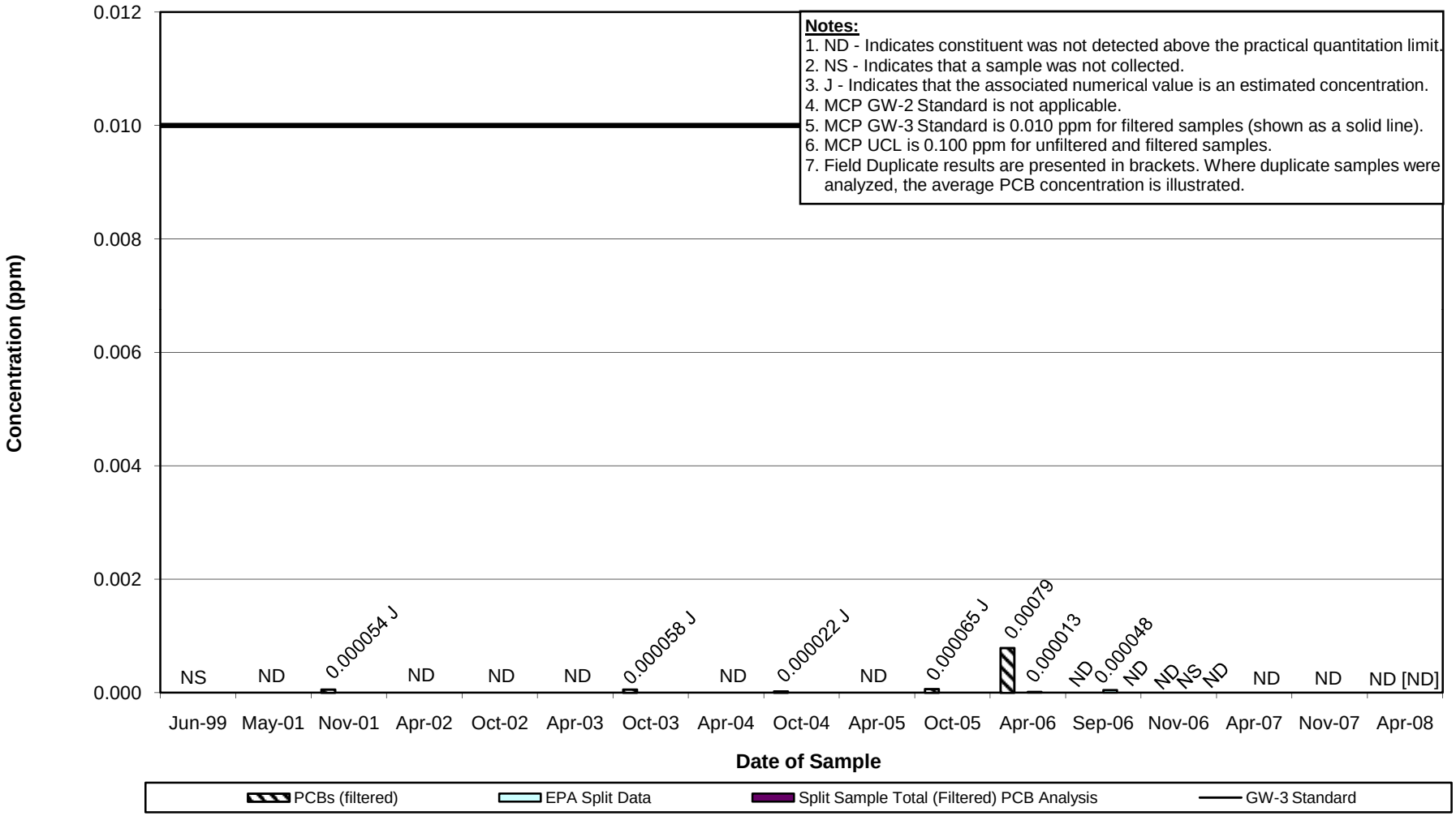
Appendix D
Well 78-1 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



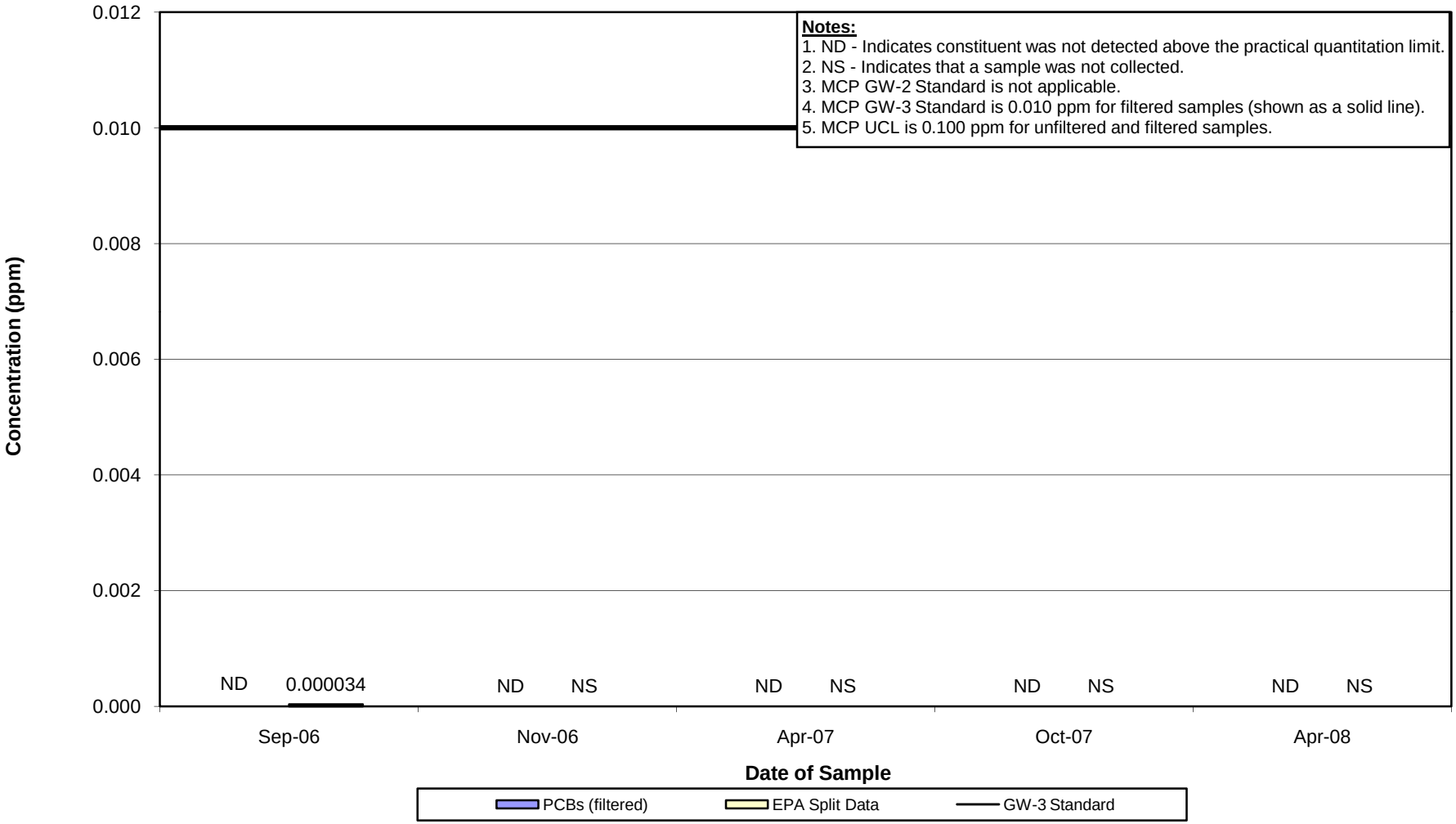
Appendix D
Well 78-6 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



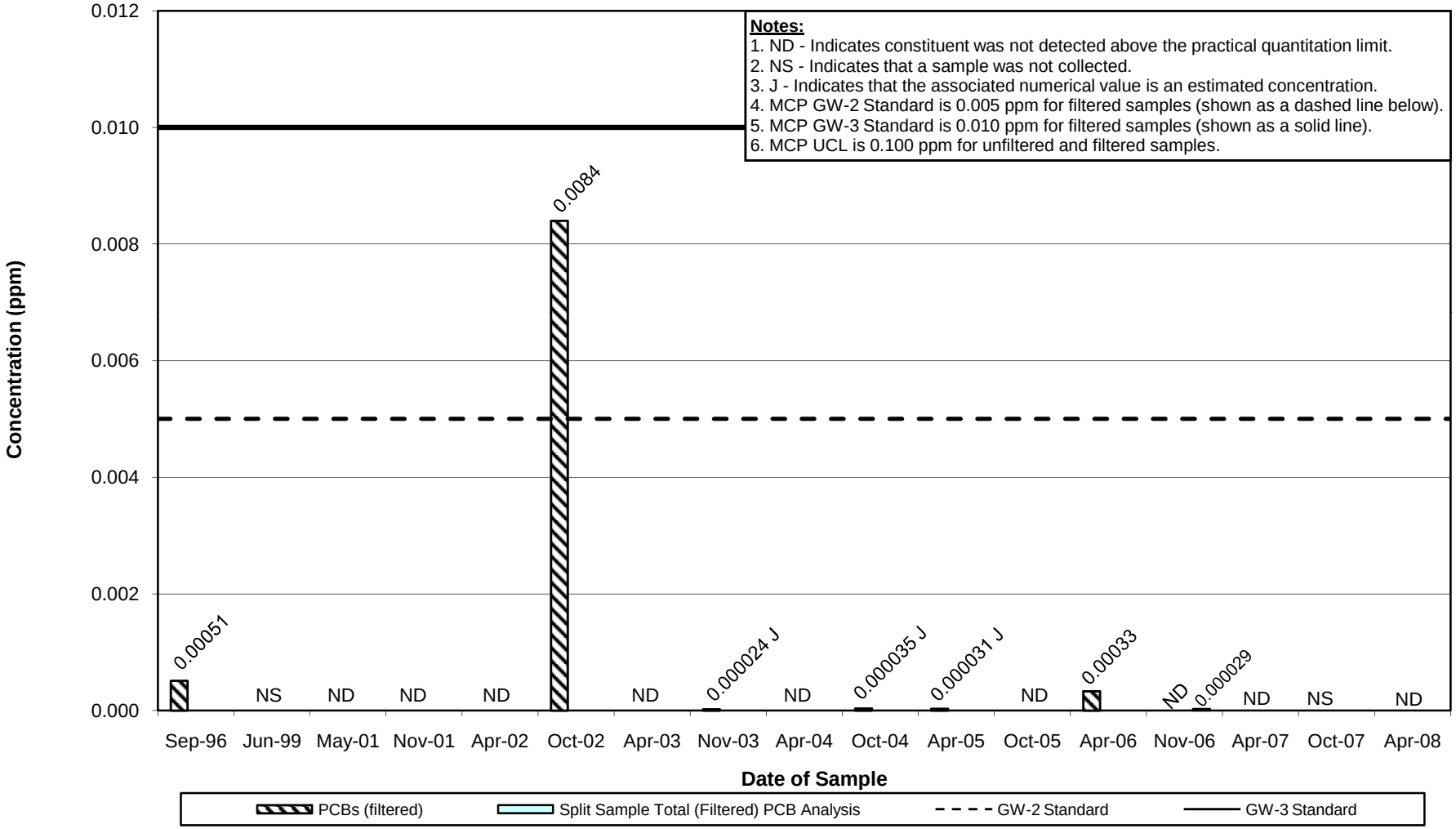
Appendix D
Well GMA4-6 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



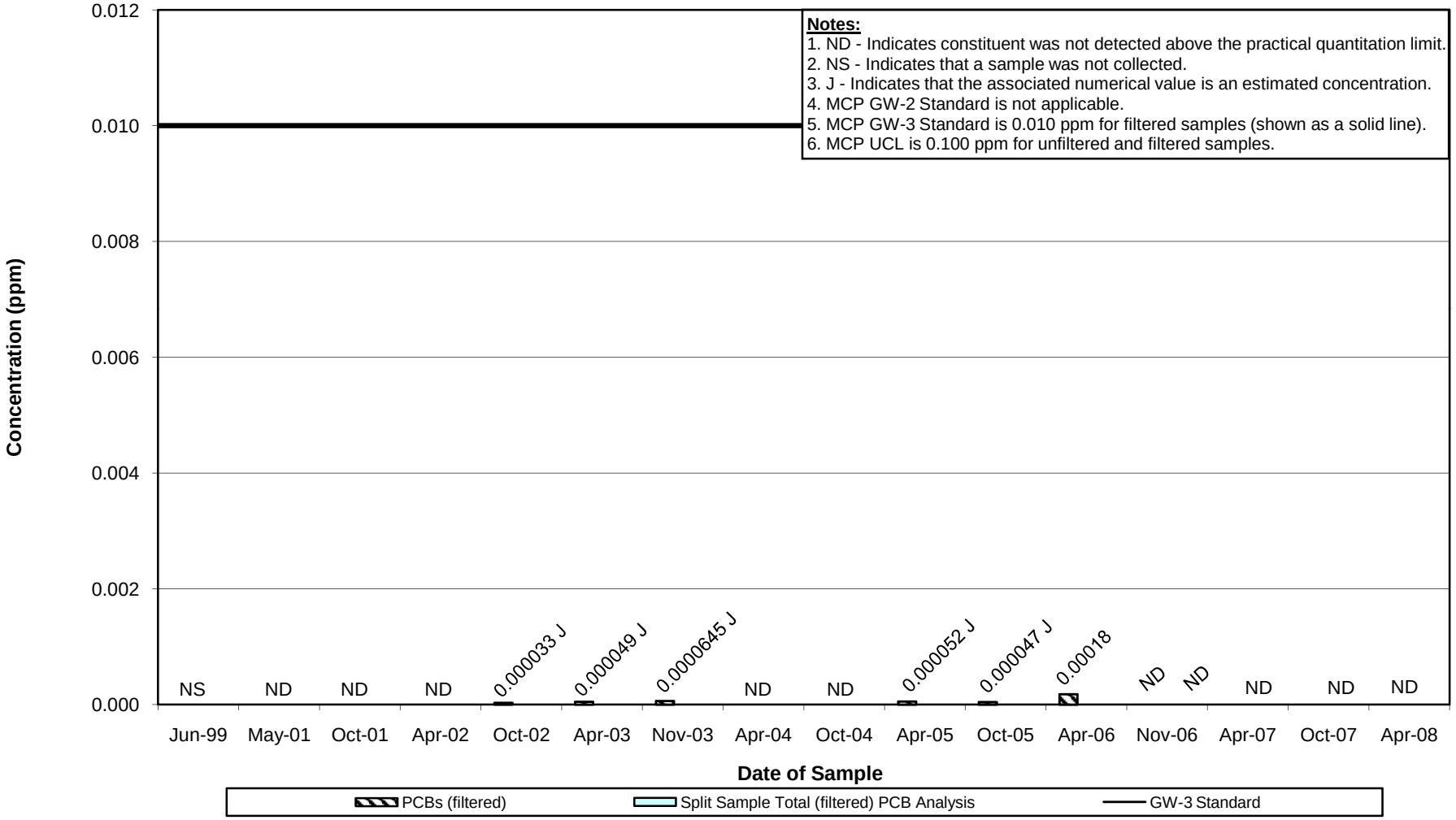
Appendix D
Well H78B-15 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



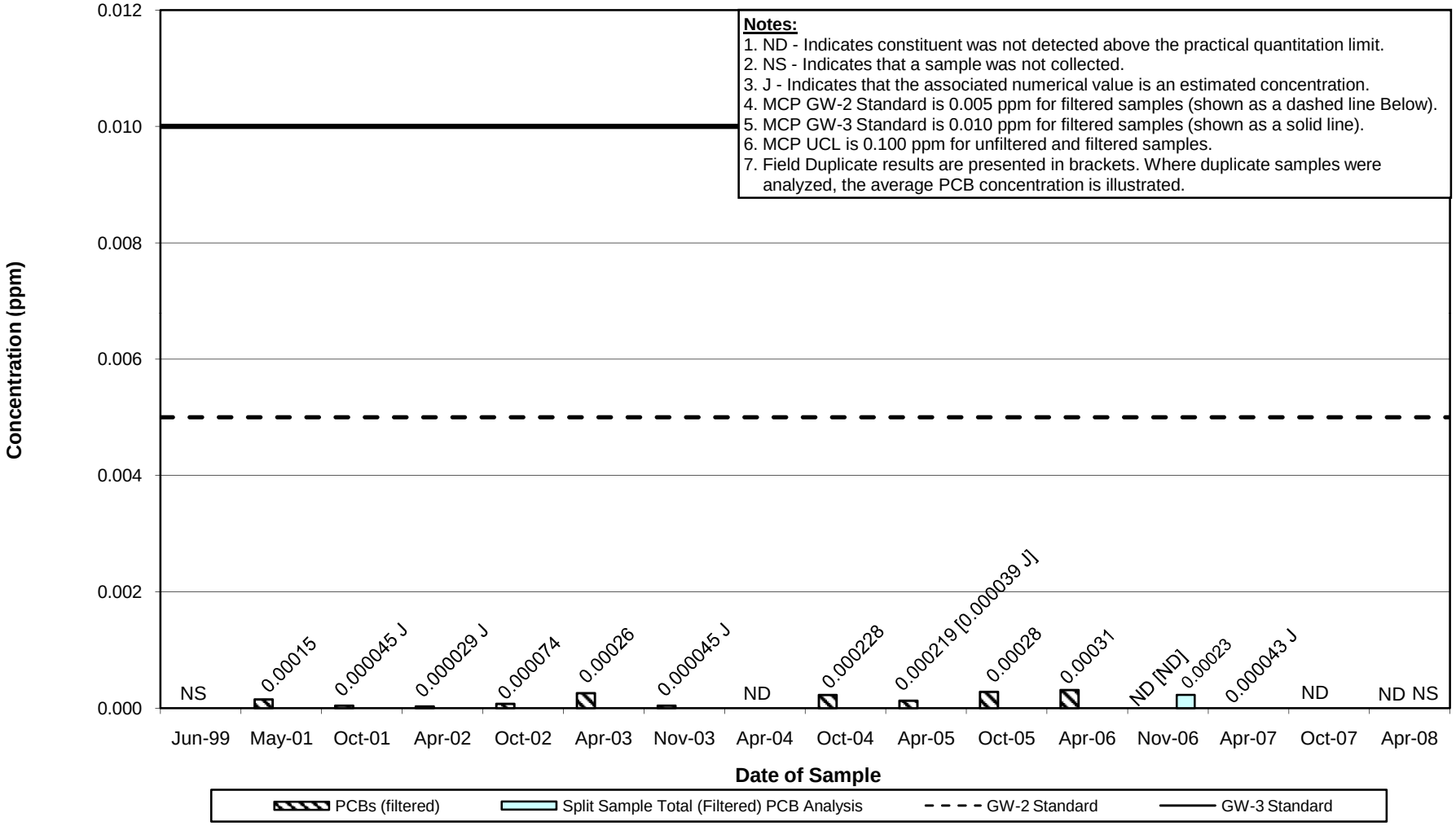
Appendix D
Well OPCA-MW-3 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



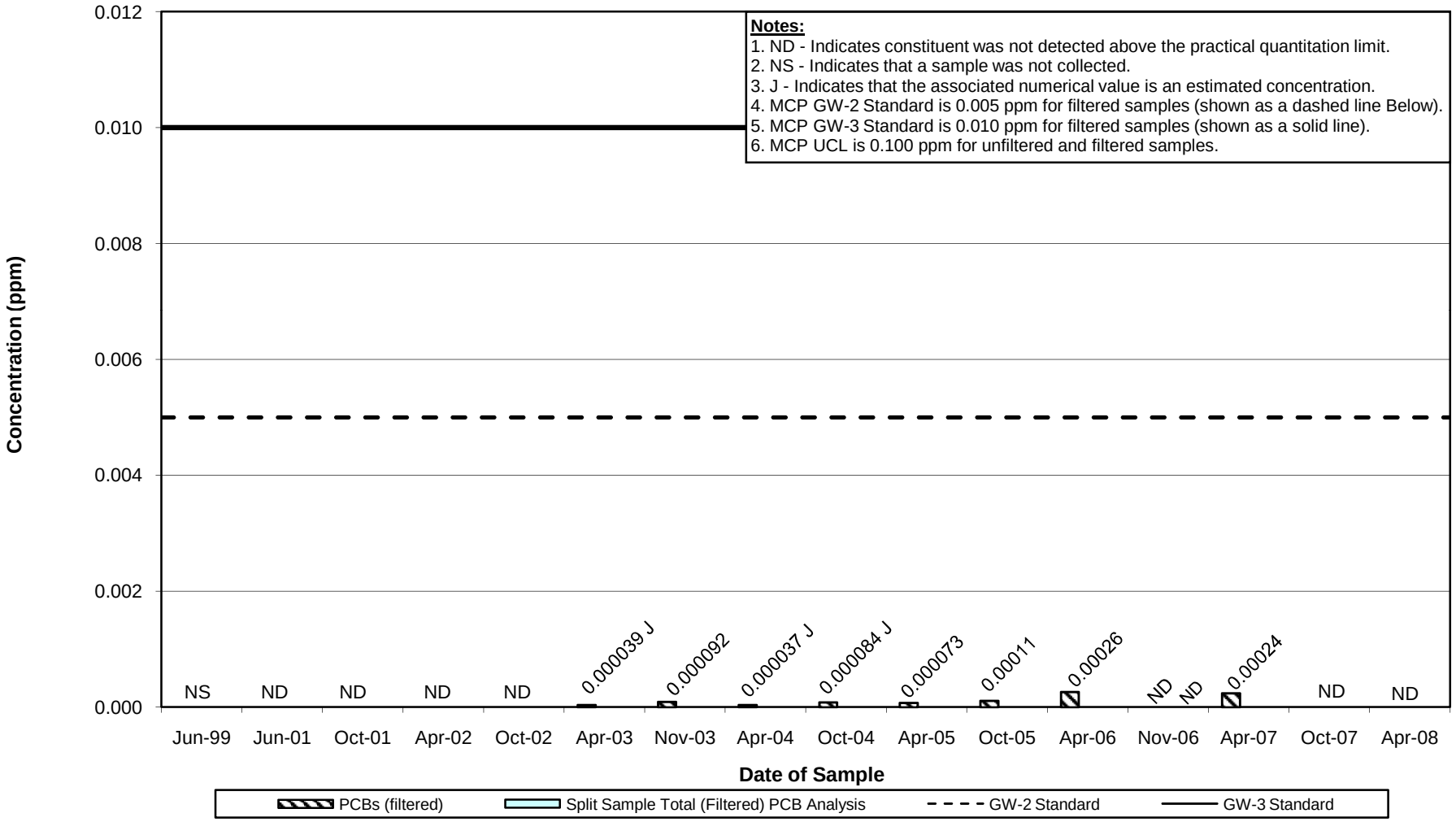
Appendix D
Well OPCA-MW-4 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



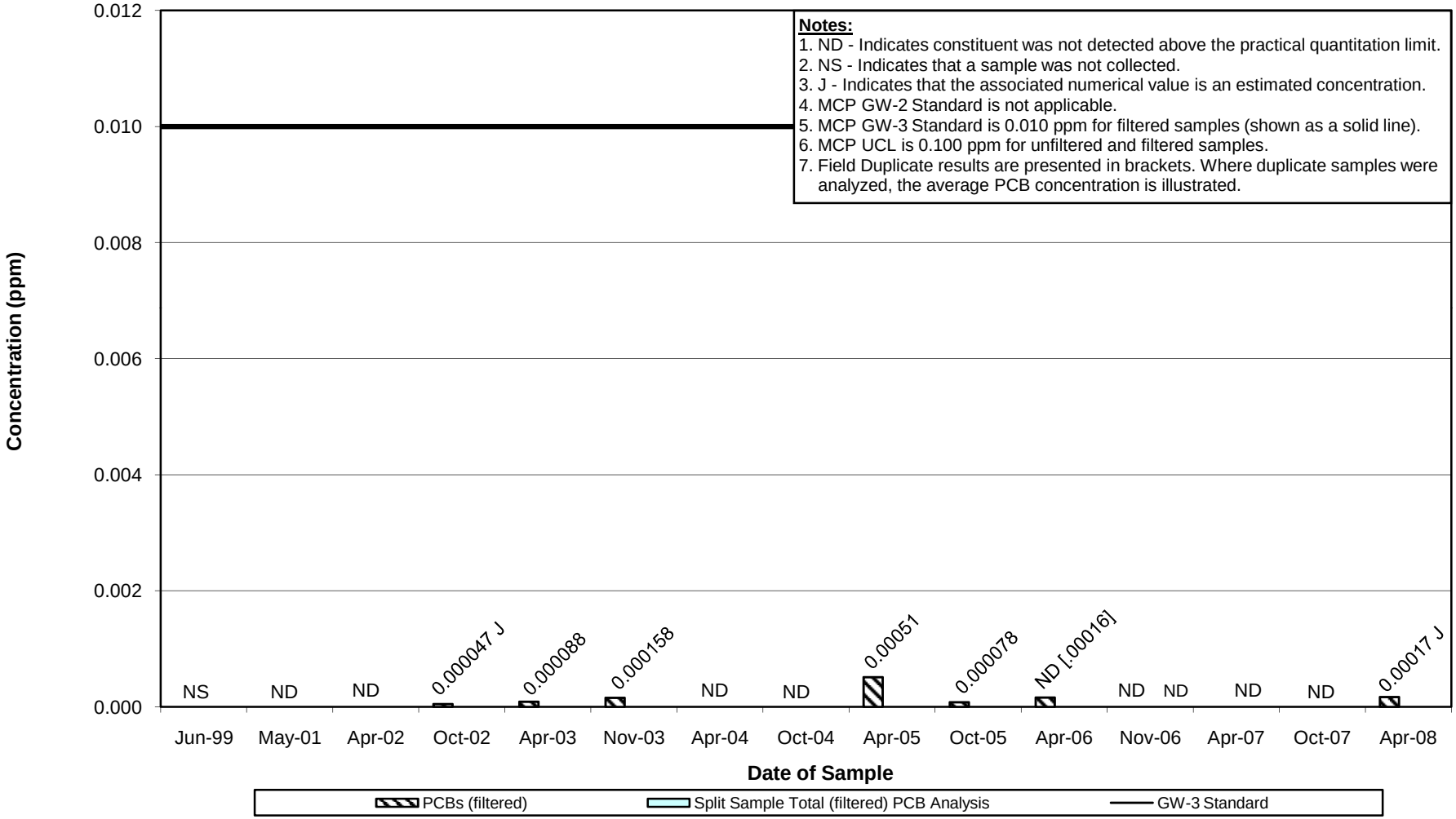
Appendix D
Well OPCA-MW-5R Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



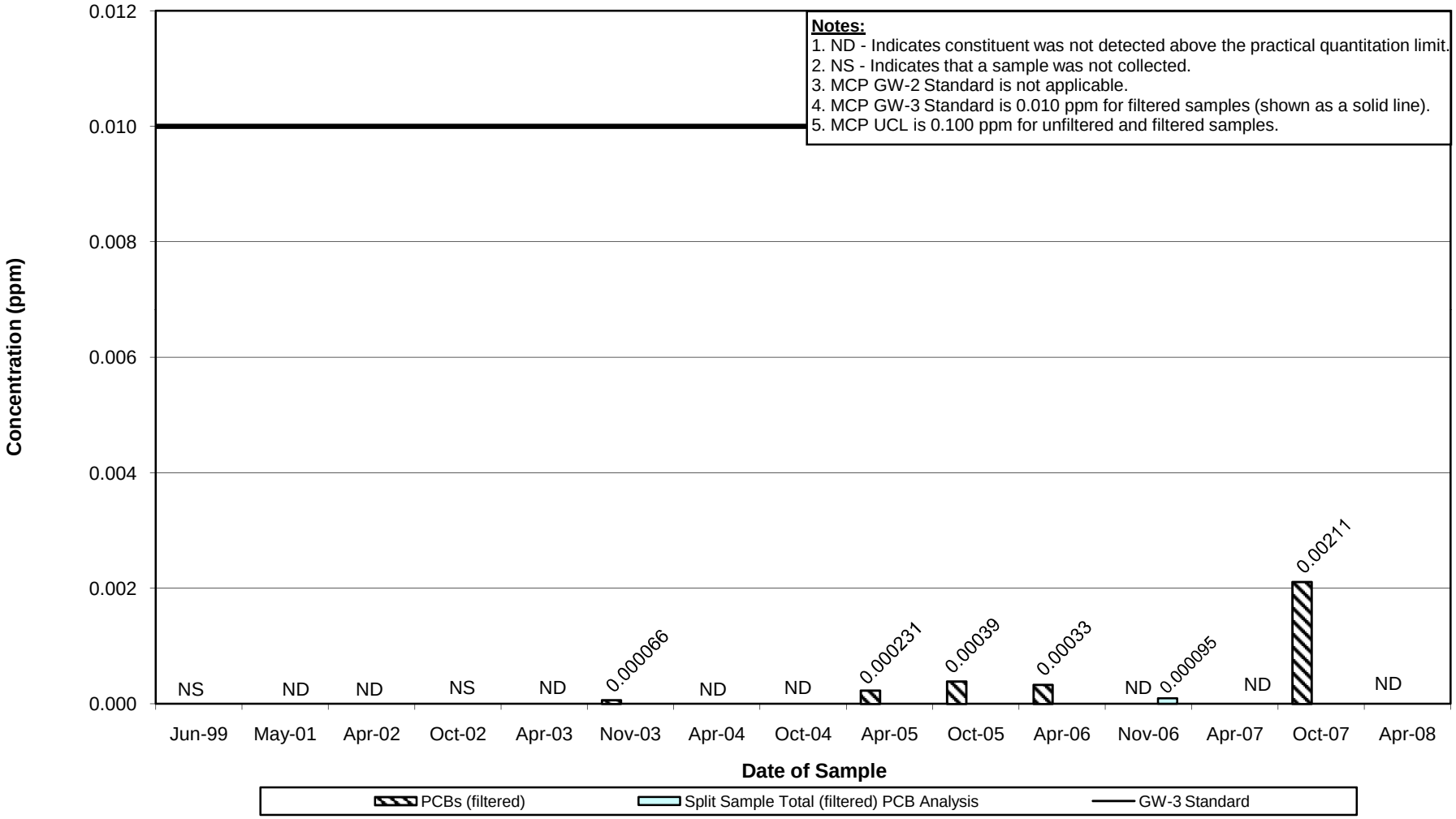
Appendix D
Well OPCA-MW-6 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



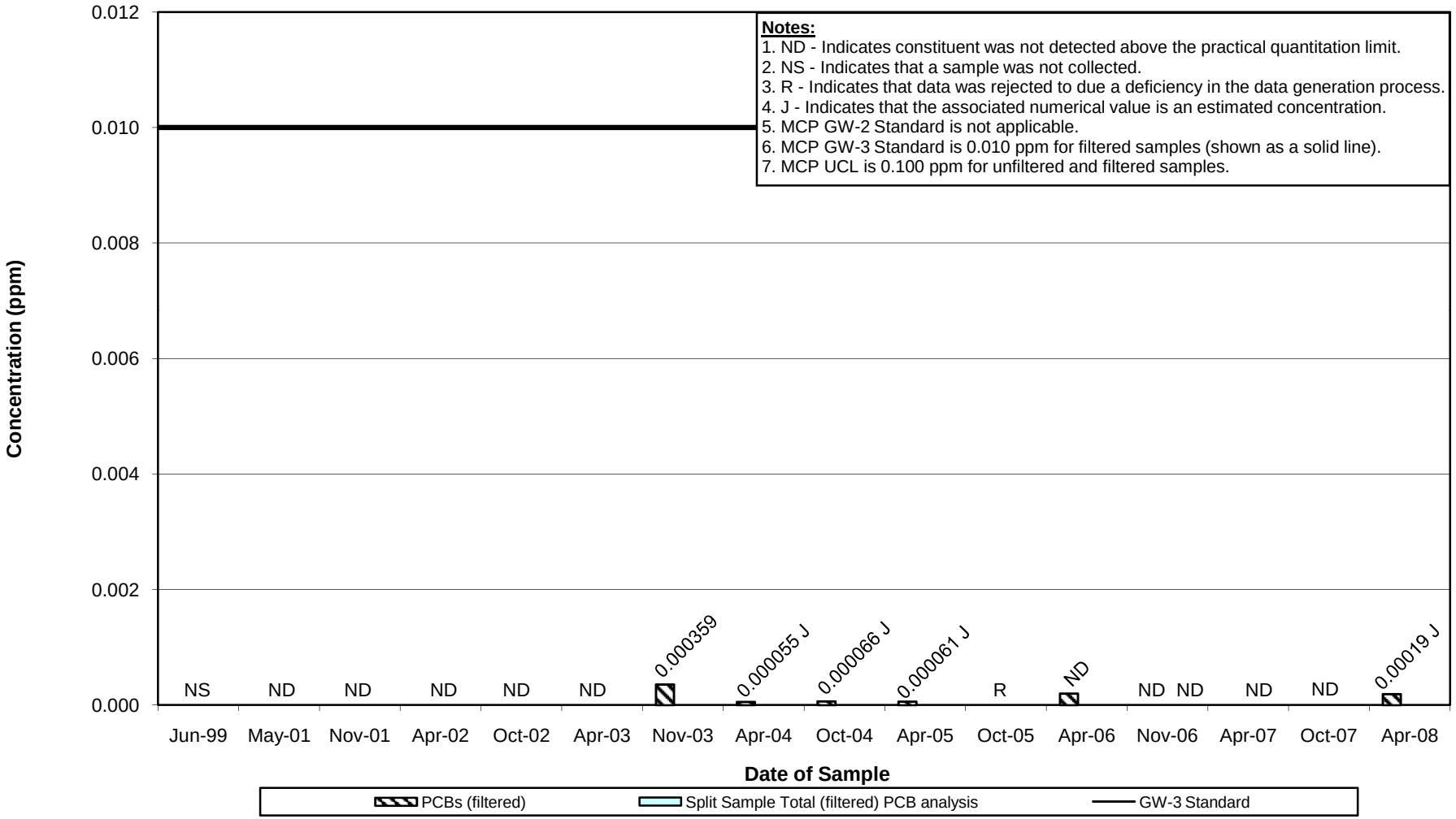
Appendix D
Well OPCA-MW-7 Historical Total PCB Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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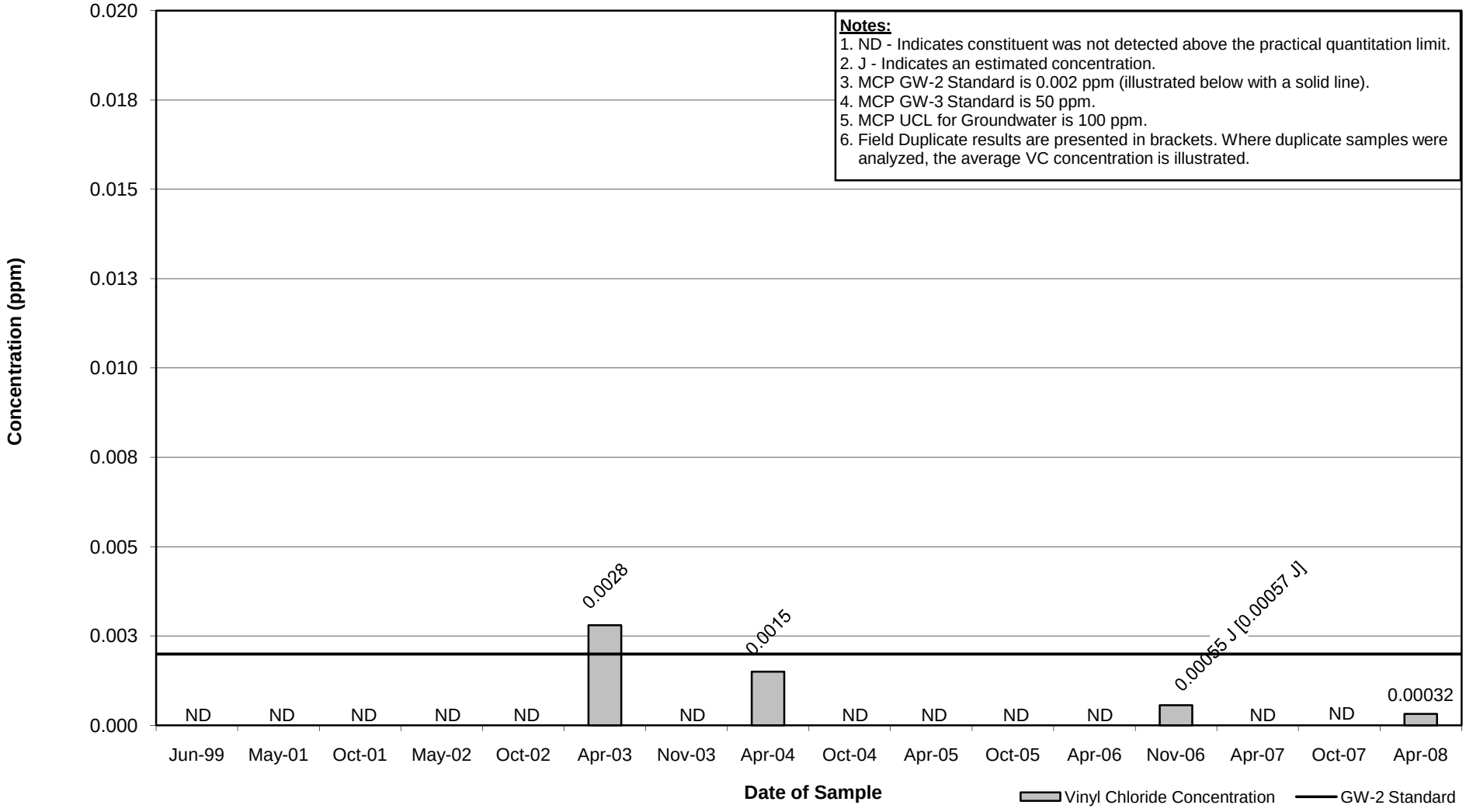
Historical Groundwater Data

Vinyl Chloride Concentrations –
Selected Wells

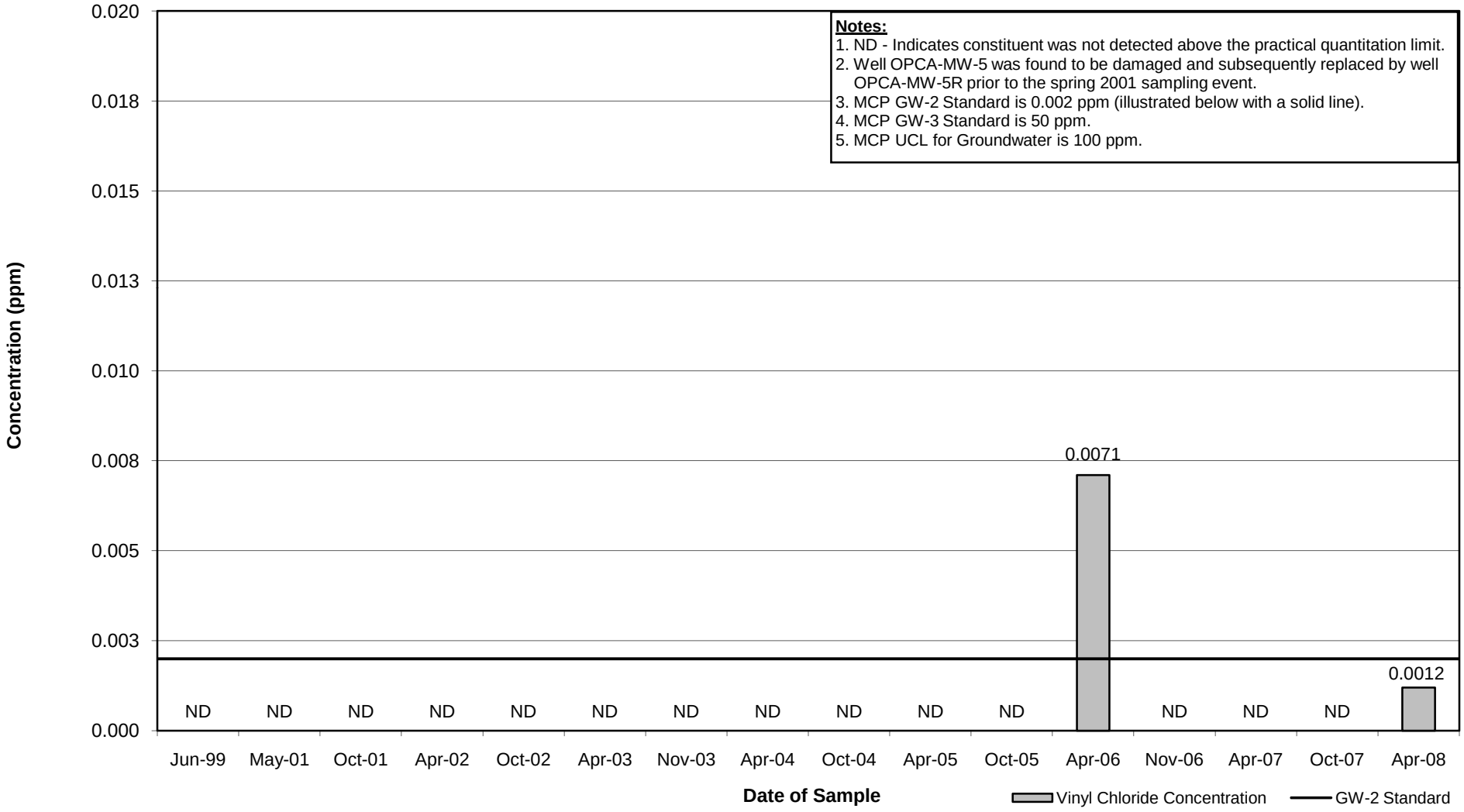
Appendix D
Well OPCA-MW-4 Historical Vinyl Chloride Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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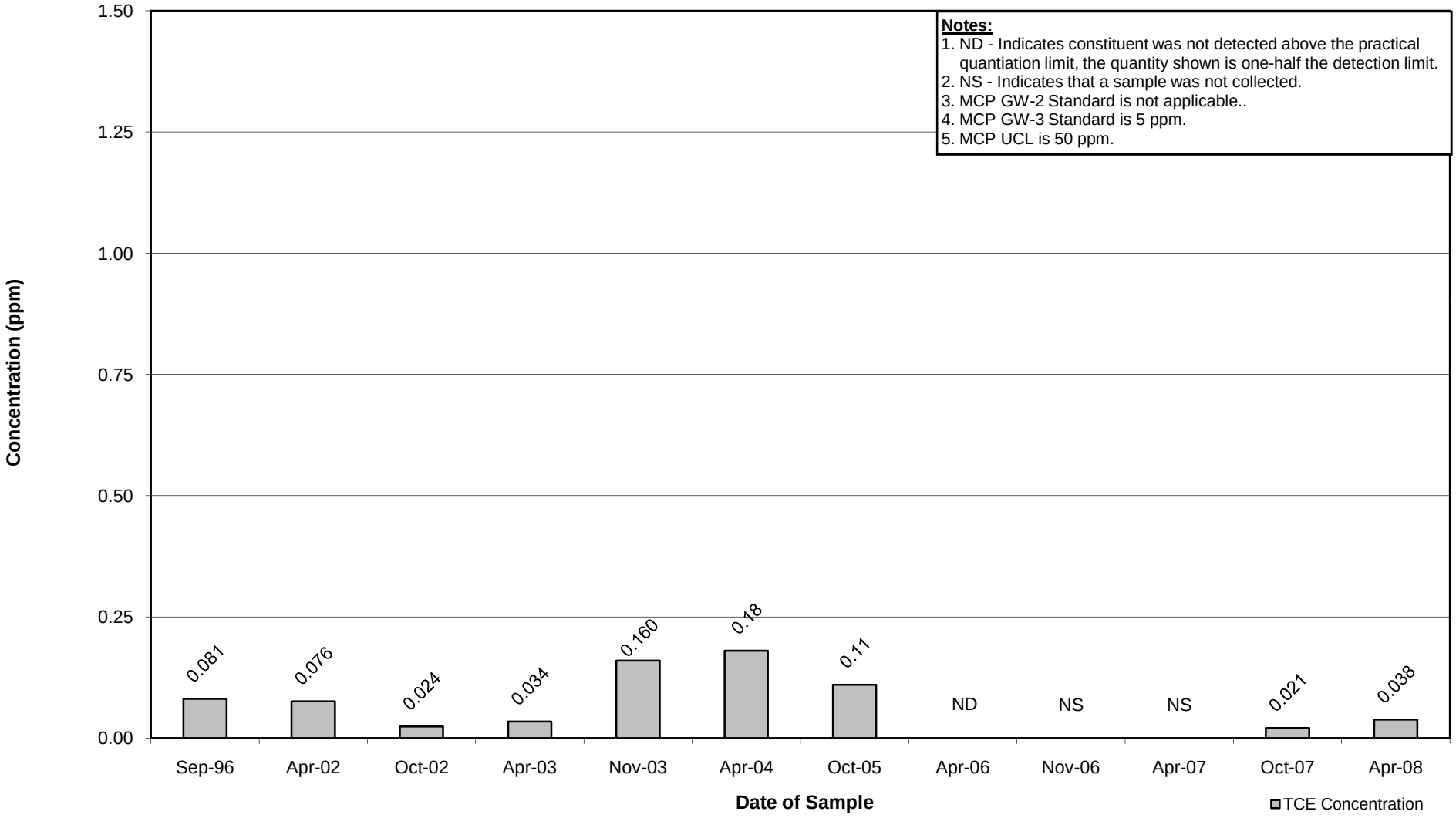
Historical Groundwater Data

Trichloroethene Concentrations –
Selected Wells

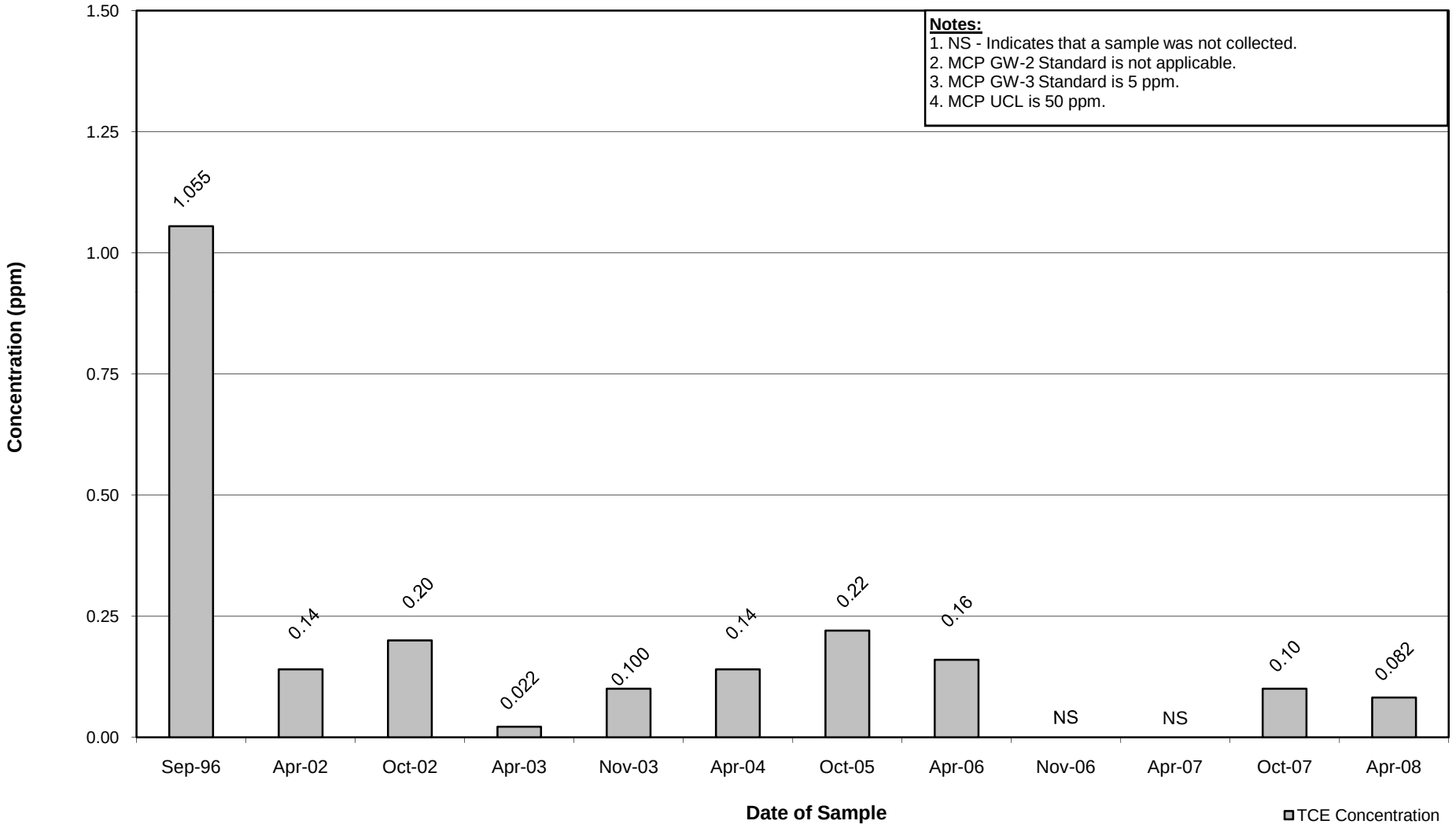
Appendix D
Well H78B-16 Historical Trichloroethene Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



Appendix D
Well H78B-17R Historical Trichloroethene Concentrations

Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



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Appendix E

Pittsfield Generating Company
Groundwater Analytical Data

Table E-1
Summary Of Pittsfield Generating Company Groundwater Data

Groundwater Quality Monitoring Interim Report for Spring 2008
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 E-1
Summary Of Pittsfield Generating Company Groundwater Data

Groundwater Quality Monitoring Interim Report for Spring 2008
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	ASW-5 6/4/08
Volatile Organics							
1,2 - Dichloroethene (total)	None	None	--	--	--	--	NA
Acetone	50	100	--	--	--	--	--
Methylene chloride	50	100	--	--	--	--	--
Trichloroethene	20	100	0.014	0.012	0.0086	0.014	0.0097
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
PCB-1260	None	None	NA	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	NA	NA	NA	NA

Table E-1
Summary Of Pittsfield Generating Company Groundwater Data

Groundwater Quality Monitoring Interim Report for Spring 2008
Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts

(Results in ppm)

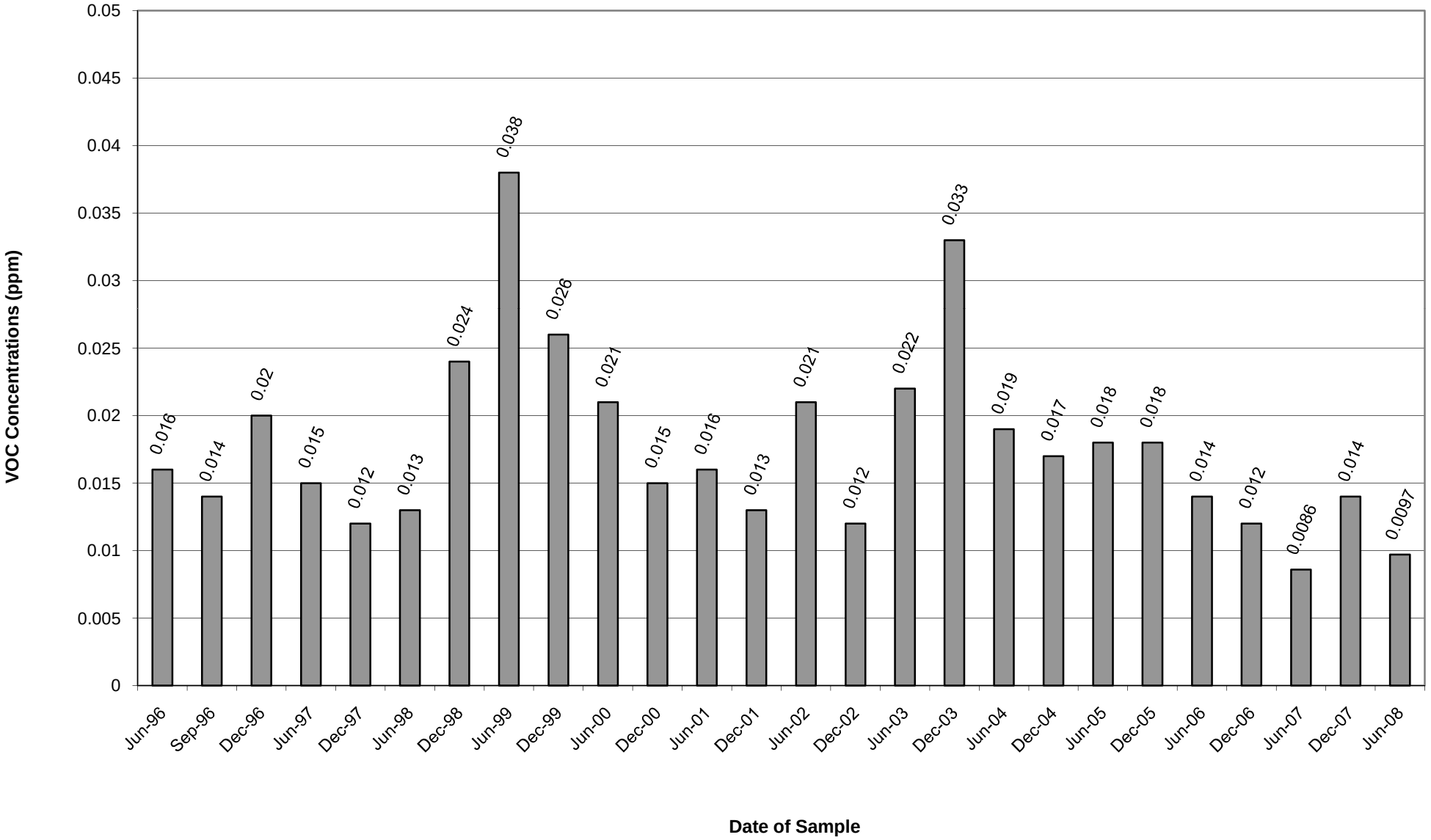
Notes:

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 E

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

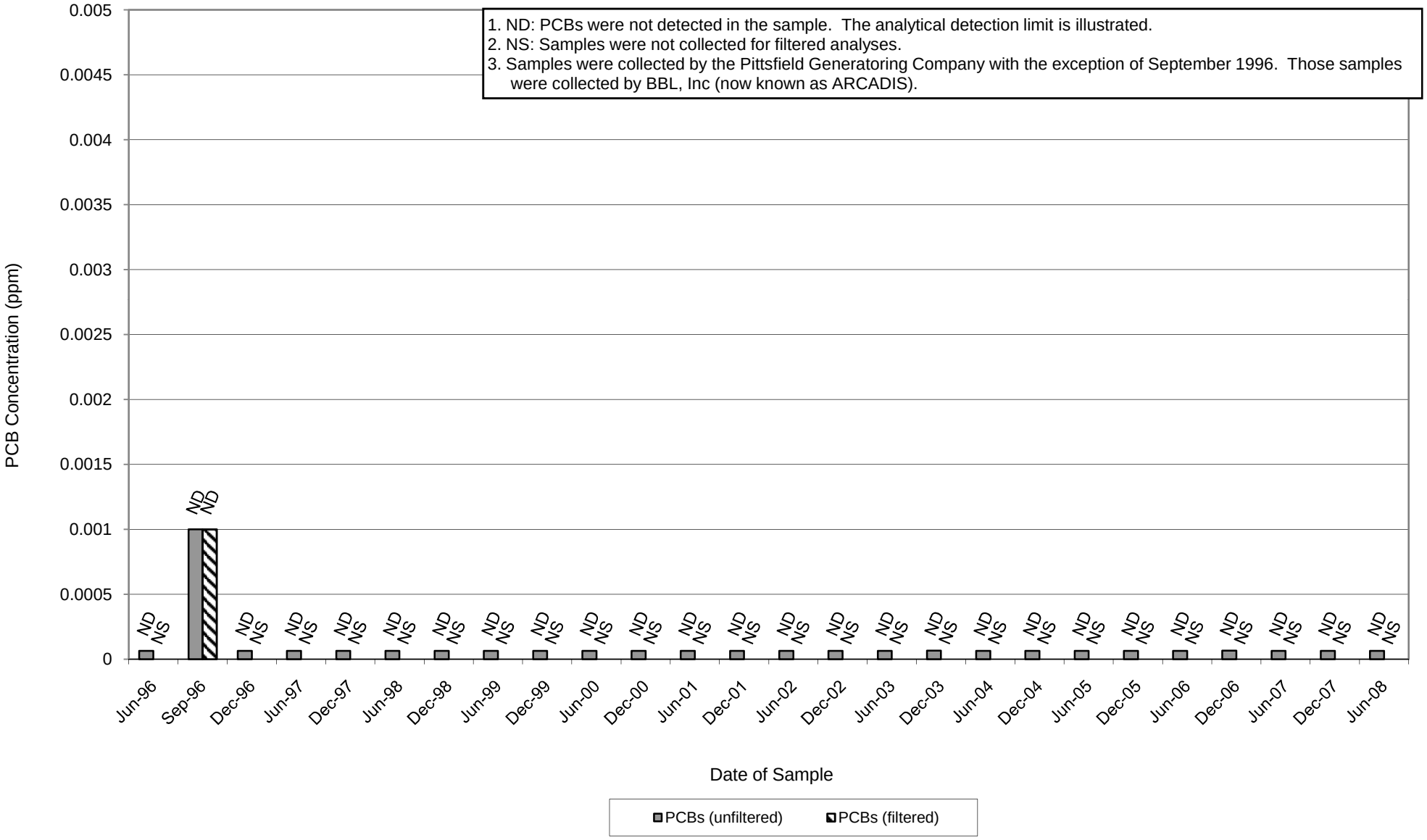
Groundwater Management Area 4
General Electric Company - Pittsfield, Massachusetts



Appendix E

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 F

Data Validation Report

Appendix F
Groundwater Sampling Data Validation Report
Groundwater Management Area 4 – Spring 2008

General Electric Company
Pittsfield, Massachusetts

1.0 General

This attachment summarizes the data validation review performed on behalf of the General Electric Company (GE) for groundwater samples collected in April 2008 as part of groundwater quality monitoring activities conducted at Groundwater Management Area 4, located within the General Electric Company/Housatonic River Site in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for 12 PCB samples, 18 volatile organic compound (VOC) samples, 12 semi-volatile organic compound (SVOC) samples, 12 metal samples, 12 cyanide samples, 12 sulfide samples, and 12 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 (as submitted by GE on March 30, 2007 following approval by EPA on March 15, 2007)*;*

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

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

- *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 A-1. Each sample subject to evaluation is listed in Table A-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	10	1	1	12
VOCs	0	0	0	12	1	5	18
SVOCs	0	0	0	10	1	1	12
Metals	0	0	0	10	1	1	12
PCDDs/PCDFs	0	0	0	10	1	1	12
Sulfides	0	0	0	10	1	1	12
Cyanides	0	0	0	10	1	1	12
Total	**0**	**0**	**0**	**72**	**7**	**11**	**90**

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in EPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented in Section 4 below.

4.0 Summary of QA/QC Parameter Deviations Requiring Data Qualification

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

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

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,2-Dibromo-3-chloropropane	18	J
	1,4-Dioxane	18	J
	2-Butanone	18	J
	2-Chloroethylvinylether	17	J
	Acetone	18	J
	Acetonitrile	18	J
	Acrolein	18	J
	Acrylonitrile	18	J
	Isobutanol	18	J

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs (continued)	Propionitrile	18	J
	trans-1,4-Dichloro-2-butene	18	J
SVOCs	1,3,5-Trinitrobenzene	11	J
	4-Nitroquinoline-1-oxide	11	J
	4-Phenylenediamine	12	J
	Hexachlorocyclopentadiene	12	J
	Hexachlorophene	12	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	2-Chloroethylvinylether	5	J
	2-Hexanone	17	J
	Acetone	11	J
	Acetonitrile	1	J
	Bromomethane	1	J
	Chloroethane	1	J
	Methylene Chloride	6	J
SVOCs	1,3,5-Trinitrobenzene	7	J
	1-Naphthylamine	12	J
	2-Naphthylamine	12	J
	4-Nitroquinoline-1-oxide	1	J
	4-Phenylenediamine	1	J

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs (continued)	Benzidine	11	J
	Hexachlorocyclopentadiene	4	J
	Methapyrilene	12	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	Beryllium	12	J
	Cadmium	12	J
	Chromium	1	J
	Cobalt	12	J
	Copper	12	J
	Nickel	11	J
	Selenium	1	J
	Silver	1	J
	Thallium	12	J
	Tin	12	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/Analytes Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound/Analyte	Number of Affected Samples	Qualification
VOCs	Trichlorofluoromethane	1	J
	2-Chloroethylvinylether	1	R
Inorganics	Thallium	1	J
	Sulfide	4	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	Acetone	1	U
	Dibromochloromethane	1	U
	Methylene Chloride	1	U
Inorganics	Copper	11	U
	Lead	5	U
	Tin	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). 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	1,1,1-Trichloroethane	11	J
	1,1-Dichloroethane	11	J
	Bromodichloromethane	11	J
	Chloroethane	11	J
	cis-1,3-Dichloropropene	11	J
	Dibromomethane	11	J
	Methylene Chloride	5	J
	Toluene	11	J
	Trichloroethene	11	J
	Trichlorofluoromethane	11	J
	Vinyl Chloride	11	J
PCBs	All Aroclors	5	J
Inorganics	Sulfide	6	J

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

Compounds Qualified Due to LCS/LCSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	4	J

5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. The percent usability calculation included analyses evaluated under both the Tier I/II data validation reviews. The percent usability calculation also includes quality control samples (i.e., field/equipment blanks, trip blanks, and field duplicates) to aid in the evaluation of data usability. Data usability is summarized in the following table.

Data Usability

Parameter	Percent Usability	Rejected Data
VOCs	99.9	A total of one sample result was rejected due to MS/MSD recovery deviations.
SVOCs	100	None
PCBs	100	None
PCDDs/PCDFs	100	None
Metals	100	None
Sulfides	100	None
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, 1.1% of the data required qualification due to LCS/LCSD RPD deviations. None of the data required qualification due to field duplicate RPD deviations or MS/MSD RPD deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, LCS/LCSDs, MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 11.9% of the data required qualification due to instrument calibration deviations, 5.2% of the data required qualification due to LCS/LCSD recovery deviations, 0.40% of the data required qualification due to MS/MSD recovery deviations, and 2.9% 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 in April 2008 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 99.9% to 100% for individual analytical parameters and had an overall usability of 99.9%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
G135-647	78-6 (Filtered)	4/21/2008	Water	Tier II	No						
G135-647	GMA4-6 (Filtered)	4/21/2008	Water	Tier II	No						
G135-647	GMA4-DUP#1 (Filtered)	4/21/2008	Water	Tier II	No						Duplicate of 78-6 (Filtered)
G135-647	OPCA-MW-7 (Filtered)	4/21/2008	Water	Tier II	No						
G135-648	78-1 (Filtered)	4/22/2008	Water	Tier II	No						
G135-648	OPCA-MW-4 (Filtered)	4/22/2008	Water	Tier II	No						
G135-649	H78B-15 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1016	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1221	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1221	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1232	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1232	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1242	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1242	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1248	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1248	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1254	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1254	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Aroclor-1260	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Aroclor-1260	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
						Total PCBs	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000067) J	
						Total PCBs	LCS/LCSD RPD	39.4%	<30%	ND(0.000067) J	
G135-649	OPCA-MW-3 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1016	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1221	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1221	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1232	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1232	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1242	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1242	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1248	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1248	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1254	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1254	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1260	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1260	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Total PCBs	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Total PCBs	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
G135-649	OPCA-MW-6 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1016	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1221	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1221	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1232	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1232	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1242	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1242	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1248	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1248	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Aroclor-1254	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	0.00017 J	
						Aroclor-1254	LCS/LCSD RPD	39.4%	<30%	0.00017 J	
						Aroclor-1260	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000066) J	
						Aroclor-1260	LCS/LCSD RPD	39.4%	<30%	ND(0.000066) J	
						Total PCBs	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	0.00017 J	
						Total PCBs	LCS/LCSD RPD	39.4%	<30%	0.00017 J	
G135-649	OPCA-MW-8 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	
						Aroclor-1016	LCS/LCSD RPD	39.4%	<30%	ND(0.000069) J	
						Aroclor-1221	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	
						Aroclor-1221	LCS/LCSD RPD	39.4%	<30%	ND(0.000069) J	
						Aroclor-1232	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	
						Aroclor-1232	LCS/LCSD RPD	39.4%	<30%	ND(0.000069) J	
						Aroclor-1242	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	
						Aroclor-1242	LCS/LCSD RPD	39.4%	<30%	ND(0.000069) J	
						Aroclor-1248	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	
						Aroclor-1248	LCS/LCSD RPD	39.4%	<30%	ND(0.000069) J	
						Aroclor-1254	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	0.00019 J	
						Aroclor-1254	LCS/LCSD RPD	39.4%	<30%	0.00019 J	
						Aroclor-1260	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	ND(0.000069) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs (continued)											
G135-649	OPCA-MW-8 (Filtered)	4/23/2008	Water	Tier II	Yes	Aroclor-1260	LCS/LCSD RPD	39.4%	<30%	ND(0.000069) J	
						Total PCBs	LCS/LCSD %R	50.4%, 33.8%	70% to 130%	0.00019 J	
						Total PCBs	LCS/LCSD RPD	39.4%	<30%	0.00019 J	
G135-652	OPCA-MW-5R (Filtered)	4/24/2008	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1221	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1232	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1242	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1248	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1254	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Aroclor-1260	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
						Total PCBs	LCS/LCSD %R	51.7%, 42.6%	70% to 130%	ND(0.000068) J	
G135-654	GMA4-RB-1 (Filtered)	4/29/2008	Water	Tier II	No						
Metals											
G135-647	78-6 (Filtered)	4/21/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00625 J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-647	GMA4-6 (Filtered)	4/21/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-647	GMA4-DUP#1 (Filtered)	4/21/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	0.00454 J	Duplicate of 78-6 (Filtered)
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00832 J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
						Tin	Method Blank	-	-	ND(0.0100)	
G135-647	OPCA-MW-7 (Filtered)	4/21/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.0148 J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-648	78-1 (Filtered)	4/22/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-648	OPCA-MW-4 (Filtered)	4/22/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00936 J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-649	H78B-15 (Filtered)	4/23/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	0.000940 J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
Metals (continued)											
G135-649	H78B-15 (Filtered)	4/23/2008	Water	Tier II	Yes	Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-649	OPCA-MW-3 (Filtered)	4/23/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	0.00548 J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00638 J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-649	OPCA-MW-6 (Filtered)	4/23/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	ND(0.0100) J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00656 J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-649	OPCA-MW-8 (Filtered)	4/23/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	0.00141 J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	0.00674 J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-652	OPCA-MW-5R (Filtered)	4/24/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	132.0%	80% to 120%	0.00251 J	
						Cadmium	CRDL Standard %R	121.0%	80% to 120%	ND(0.00500) J	
						Cobalt	CRDL Standard %R	55.9%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	143.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100)	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	63.8%	80% to 120%	ND(0.0100) J	
						Thallium	CRDL Standard %R	202.0%	80% to 120%	ND(0.0100) J	
						Tin	CRDL Standard %R	172.0%	80% to 120%	ND(0.0100) J	
G135-654	GMA4-RB-1 (Filtered)	4/29/2008	Water	Tier II	Yes	Beryllium	CRDL Standard %R	40.6%	80% to 120%	0.00161 J	
						Cadmium	CRDL Standard %R	174.0%	80% to 120%	0.00320 J	
						Chromium	CRDL Standard %R	140.0%	80% to 120%	0.00479 J	
						Cobalt	CRDL Standard %R	76.6%	80% to 120%	ND(0.0100) J	
						Copper	CRDL Standard %R	174.0%	80% to 120%	0.00651 J	
						Selenium	CRDL Standard %R	130.0%	80% to 120%	ND(0.0200) J	
						Silver	CRDL Standard %R	124.0%	80% to 120%	0.000870 J	
						Thallium	CRDL Standard %R	161.0%	80% to 120%	ND(0.0100) J	
						Thallium	MS/MSD %R	70.3%, 70.8%	75% to 125%	ND(0.0100) J	
						Tin	CRDL Standard %R	163.0%	80% to 120%	ND(0.0100) J	
VOCs											
G135-647	78-6	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-647	78-6	4/21/2008	Water	Tier II	Yes	cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
G135-647	GMA4-6	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	Method Blank	-	-	ND(0.0050)	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
G135-647	GMA4-DUP#1	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	Duplicate of 78-6
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
G135-647	OPCA-MW-7	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	

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Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-647	OPCA-MW-7	4/21/2008	Water	Tier II	Yes	Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
G135-647	TripBlank	4/21/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	0.0020 J	
						Acetone	CCAL %D	31.8%	<25%	0.0020 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
G135-648	78-1	4/22/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Trichlorofluoromethane	MS %R	71.2%	76.8% to 132%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
G135-648	H78B-16	4/22/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	0.00077 J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	0.00018 J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-648	H78B-16	4/22/2008	Water	Tier II	Yes	2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	0.038 J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	0.00062 J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	0.00075 J	
G135-648	H78B-17R	4/22/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.024	>0.05	ND(0.10) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(2.0) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	ICAL RRF	0.019	>0.05	ND(0.25) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.10) J	
						Acetonitrile	ICAL RRF	0.010	>0.05	ND(0.40) J	
						Acetonitrile	CCAL %D	30.0%	<25%	ND(0.40) J	
						Acrolein	ICAL RRF	0.020	>0.05	ND(0.50) J	
						Acrylonitrile	ICAL RRF	0.034	>0.05	ND(0.50) J	
						Bromomethane	CCAL %D	46.3%	<25%	ND(0.020) J	
						Chloroethane	CCAL %D	59.4%	<25%	ND(0.020) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(1.0) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.40) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.024	>0.05	ND(0.10) J	
G135-648	OPCA-MW-4	4/22/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	0.0014 J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	0.00032 J	
G135-648	Trip Blank	4/22/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	0.0020 J	
						Acetone	CCAL %D	31.8%	<25%	0.0020 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-648	Trip Blank	4/22/2008	Water	Tier II	Yes	Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
G135-649	H78B-15	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.033	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	27.5%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J	
						Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	72.9% to 120%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
G135-649	OPCA-MW-3	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.033	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	27.5%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Dibromochloromethane	Trip Blank	-	-	ND(0.0010)	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J	
						Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	72.9% to 120%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
G135-649	OPCA-MW-6	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.033	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	27.5%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	0.0015 J	
						Acetone	Trip Blank	-	-	0.0015 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J	
						Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	72.9% to 120%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
G135-649	OPCA-MW-8	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.033	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	27.5%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-649	OPCA-MW-8	4/23/2008	Water	Tier II	Yes	Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J	
						Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	72.9% to 120%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
G135-649	TripBlank	4/23/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.033	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Chloroethylvinylether	CCAL %D	35.7%	<25%	ND(0.013) J	
						2-Hexanone	CCAL %D	27.5%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	0.0054 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J	
						Methylene Chloride	LCS/LCSD %R	72.8%, 72.2%	72.9% to 120%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
G135-652	OPCA-MW-5R	4/24/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	
						Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	0.0012 J	
G135-652	TripBlank	4/24/2008	Water	Tier II	Yes	1,1,1-Trichloroethane	LCSD %R	76.4%	78.8% to 120%	ND(0.0010) J	
						1,1-Dichloroethane	LCSD %R	76.6%	78.0% to 120%	ND(0.0010) J	
						1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.018	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	38.9%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.022	>0.05	ND(0.0050) J	
						Acetone	CCAL %D	31.8%	<25%	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.032	>0.05	ND(0.025) J	
						Bromodichloromethane	LCSD %R	76.2%	76.4% to 117%	ND(0.0010) J	
						Chloroethane	LCSD %R	77.2%	78.2% to 138%	ND(0.0010) J	
						cis-1,3-Dichloropropene	LCSD %R	77.2%	79.8% to 113%	ND(0.0010) J	
						Dibromomethane	LCSD %R	76.8%	77.3% to 124%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.020) J	
						Toluene	LCSD %R	76.2%	78.6% to 117%	ND(0.0010) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Trichloroethene	LCSD %R	75.8%	80.1% to 116%	ND(0.0010) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
G135-652	TripBlank	4/24/2008	Water	Tier II	Yes	Trichlorofluoromethane	LCSD %R	74.4%	80.5% to 130%	ND(0.0010) J	
						Vinyl Chloride	LCSD %R	72.8%	77.5% to 126%	ND(0.0010) J	
G135-654	GMA4-RB-1	4/29/2008	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.012	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.033	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.014	>0.05	ND(0.013) J	
						2-Hexanone	CCAL %D	28.2%	<25%	ND(0.0050) J	
						Acetone	ICAL RRF	0.017	>0.05	0.0059 J	
						Acetonitrile	ICAL RRF	0.006	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.027	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
						Methylene Chloride	CCAL %D	45.3%	<25%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.009	>0.05	ND(0.020) J	
						trans-1,4-Dichloro-2-butene	ICAL RRF	0.020	>0.05	ND(0.0050) J	
SVOCs											
G135-647	78-6	4/21/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
						1-Naphthylamine	CCAL %D	34.3%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.8%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.8%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	26.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0051) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0051) J	
G135-647	GMA4-6	4/21/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
						1-Naphthylamine	CCAL %D	34.3%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.8%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.8%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	26.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0052) J	
G135-647	GMA4-DUP#1	4/21/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	Duplicate of 78-6
						1-Naphthylamine	CCAL %D	34.3%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.8%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.8%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	26.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0052) J	
G135-647	OPCA-MW-7	4/21/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
						1-Naphthylamine	CCAL %D	34.3%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.8%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.8%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	26.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0052) J	
G135-648	78-1	4/22/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.042	>0.05	ND(0.026) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0052) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
G135-648	OPCA-MW-4	4/22/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.042	>0.05	ND(0.026) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0052) J	
G135-649	H78B-15	4/23/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0052) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0052) J	
G135-649	OPCA-MW-3	4/23/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.011) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.011) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.011) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0053) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0053) J	
G135-649	OPCA-MW-6	4/23/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.026) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.026) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.026) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.026) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.026) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0051) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0051) J	
G135-649	OPCA-MW-8	4/23/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.025) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.025) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.025) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.025) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.025) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0051) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0051) J	
G135-652	OPCA-MW-5R	4/24/2008	Water	Tier II	Yes	1,3,5-Trinitrobenzene	ICAL RRF	0.037	>0.05	ND(0.025) J	
						1,3,5-Trinitrobenzene	CCAL %D	29.7%	<25%	ND(0.025) J	
						1-Naphthylamine	CCAL %D	48.8%	<25%	ND(0.025) J	
						2-Naphthylamine	CCAL %D	39.4%	<25%	ND(0.025) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.043	>0.05	ND(0.025) J	
						4-Phenylenediamine	ICAL RRF	0.023	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	29.9%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.021	>0.05	ND(0.0051) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0051) J	
G135-654	GMA4-RB-1	4/29/2008	Water	Tier II	Yes	1-Naphthylamine	CCAL %D	65.2%	<25%	ND(0.025) J	
						2-Naphthylamine	CCAL %D	69.8%	<25%	ND(0.025) J	
						4-Nitroquinoline-1-oxide	CCAL %D	32.4%	<25%	ND(0.025) J	
						4-Phenylenediamine	ICAL RRF	0.033	>0.05	ND(0.010) J	
						4-Phenylenediamine	CCAL %D	73.4%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	ICAL RRF	0.018	>0.05	ND(0.010) J	

Table F-1
Analytical Data Validation Summary
Groundwater Management Area 4 - Spring 2008

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
G135-654	GMA4-RB-1	4/29/2008	Water	Tier II	Yes	Hexachlorophene	ICAL RRF	0.019	>0.05	ND(0.0050) J	
						Methapyrilene	CCAL %D	100.0%	<25%	ND(0.0050) J	
PCDDs/PCDFs											
G135-647	78-6	4/21/2008	Water	Tier II	No						
G135-647	GMA4-6	4/21/2008	Water	Tier II	No						
G135-647	GMA4-DUP#1	4/21/2008	Water	Tier II	No						Duplicate of 78-6
G135-647	OPCA-MW-7	4/21/2008	Water	Tier II	No						
G135-648	78-1	4/22/2008	Water	Tier II	No						
G135-648	OPCA-MW-4	4/22/2008	Water	Tier II	No						
G135-649	H78B-15	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-3	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-6	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-8	4/23/2008	Water	Tier II	No						
G135-652	OPCA-MW-5R	4/24/2008	Water	Tier II	No						
G135-654	GMA4-RB-1	4/29/2008	Water	Tier II	No						
Cyanide-MADEP (PAC)											
G135-647	78-6 (Filtered)	4/21/2008	Water	Tier II	No						
G135-647	GMA4-6 (Filtered)	4/21/2008	Water	Tier II	No						
G135-647	GMA4-DUP#1 (Filtered)	4/21/2008	Water	Tier II	No						Duplicate of 78-6 (Filtered)
G135-647	OPCA-MW-7 (Filtered)	4/21/2008	Water	Tier II	No						
G135-648	78-1 (Filtered)	4/22/2008	Water	Tier II	No						
G135-648	OPCA-MW-4 (Filtered)	4/22/2008	Water	Tier II	No						
G135-649	H78B-15 (Filtered)	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-3 (Filtered)	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-6 (Filtered)	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-8 (Filtered)	4/23/2008	Water	Tier II	No						
G135-652	OPCA-MW-5R (Filtered)	4/24/2008	Water	Tier II	No						
G135-654	GMA4-RB-1 (Filtered)	4/29/2008	Water	Tier II	No						
Sulfide											
G135-647	78-6	4/21/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	ND(1.00) J	
G135-647	GMA4-6	4/21/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	1.00 J	
G135-647	GMA4-DUP#1	4/21/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	ND(1.00) J	Duplicate of 78-6
G135-647	OPCA-MW-7	4/21/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	1.00 J	
G135-648	78-1	4/22/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	1.10 J	
						Sulfide	MS/MSD %R	40.0%, 36.0%	75% to 125%	1.10 J	
G135-648	OPCA-MW-4	4/22/2008	Water	Tier II	Yes	Sulfide	LCS %R	75.0%	80% to 120%	1.00 J	
						Sulfide	MS/MSD %R	40.0%, 36.0%	75% to 125%	1.00 J	
G135-649	H78B-15	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-3	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-6	4/23/2008	Water	Tier II	No						
G135-649	OPCA-MW-8	4/23/2008	Water	Tier II	No						
G135-652	OPCA-MW-5R	4/24/2008	Water	Tier II	Yes	Sulfide	MS %R	51.0%	75% to 125%	ND(1.00) J	
G135-654	GMA4-RB-1	4/29/2008	Water	Tier II	Yes	Sulfide	MS %R	58.0%	75% to 125%	1.30 J	

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Appendix G

Soil Boring Logs/
Well Installation Logs

Date Start/Finish: 7/8/08
Drilling Company: Parratt Wolff
Driller's Name: Jim L.
Drilling Method: HSA
Sampling Method: 2" x 2' SS
Rig Type: HSA

Northing: 535367.6
Easting: 135561.1
Casing Elevation: 1016.46

Borehole Depth: 29' bls
Surface Elevation: 1016.63

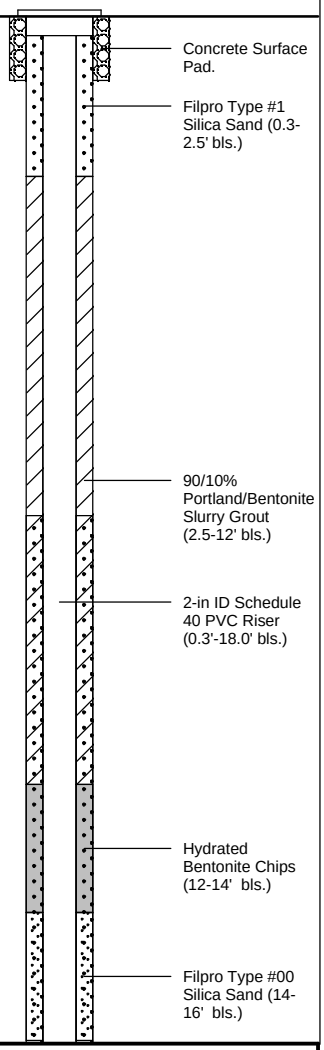
Descriptions By: DAZ

Well/Boring ID: **OPCA-MW-1RR**

Client: General Electric Company

Location: OPCA GMA-4, Pittsfield, Mass.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0	0						Brown and white fine to coarse SAND, snd fine sub-angular GRAVEL, loose, non-plastic
							White fine SAND, loose, non-plastic
							Brown fine SAND and SILT, trace coarse angular Sand and coarse angular Gravel, loose
5	-5	1	5-7	20"	0.0		Trace Clay from 4.7-4.9' bgs. Med. Brown SILTY Sand, m. to (+)f. sand, sub angular-sub. rounded, med. Dense, moist
							Light gray COBBLE
							Brown SILT, trace fine Sand and Clay, moderately loose
10	-10	2	10-12	23"	0.0		Dark-Med. Brown SILT, trace (+)C. Sands to F. Gravels, med. Dense, moist
							Brown SILT, trace fine Sand and Clay, trace fine to coarse Gravel, moderately loose
							Light gray COBBLE.
							Light brown fine SAND, loose
							Brown fine SAND, little fine to coarse Gravel, trace Silt and Clay, moderately loose
							Brown fine SAND, little Silt, trace medium to coarse Sand and Silt, moderately loose
15	-15	3	15-17	2	0.0		Dark-Med. Brown SILT, trace (+)C. Sands to F. Gravels, med. Dense, moist



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Infrastructure, environment, facilities

Remarks: 4 1/4" ID Augers
bls. -Below Land Surface
als. -Above Land Surface
Previously logged descriptions were incorporated from OPCA-MW-1R

Client: General Electric Company

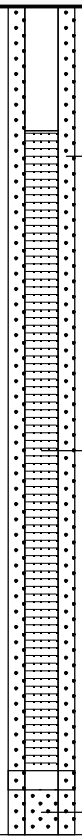
Well/Boring ID: **OPCA-MW-1RR**

Borehole Depth: 29' bls

Site Location:
OPCA GMA-4, Pittsfield, Mass.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
						Brown fine SAND, little Silt, trace medium to coarse Sand and Silt, moderately loose
						No Recovery.
20 -20	4	20-22	17"	0.0		Med. Brown, vf. to (+)f. SAND, med. Dense, Moist - slightly Wet.
	5	23-25	2	0.0		Multi-color fine to coarse SAND, loose
						Med. Brown, VF. to (+) F. SAND, Med Dense, trace Silts (0-16") And Silts (16-24"), wet
25 -25	6	25-27	22"	0.0		Med. Brown (+)vf. to f. sandy SILT, med. Dense, wet
	7	27-29	2	0.0		Med-Dark Drown, (~30%)-Silt and SAND, varved layering, Med. Dense, wet
						Dark Brown-med gray, clayey SILT, Few F. Sands, Dense, moist
30 -30						

Well/Boring Construction



Filpro Type #1 Silica Sand (16-28.35' bls.)

2-in ID Schedule 40 PVC 0.010" Slotted Screen (18.0-28.0' bls.)

Filpro Type #1 Silica Sand (28.3-29' bgs)

ARCADIS
Infrastructure, environment, facilities

Remarks: 4 1/4" ID Augers
bls. -Below Land Surface
als. -Above Land Surface
Previously logged descriptions were incorporated from OPCA-MW-1R

Date Start/Finish: 7/8/08-7/9/08
Drilling Company: Parratt Wolff
Driller's Name: Jim L.
Drilling Method: HSA
Sampling Method: 2" x 2' SS
Rig Type: HSA

Northing: 535176.6000
Easting: 135892.1000
Casing Elevation: 1018.84

Borehole Depth: 29' bgs
Surface Elevation: 1016.80

Descriptions By: DAZ

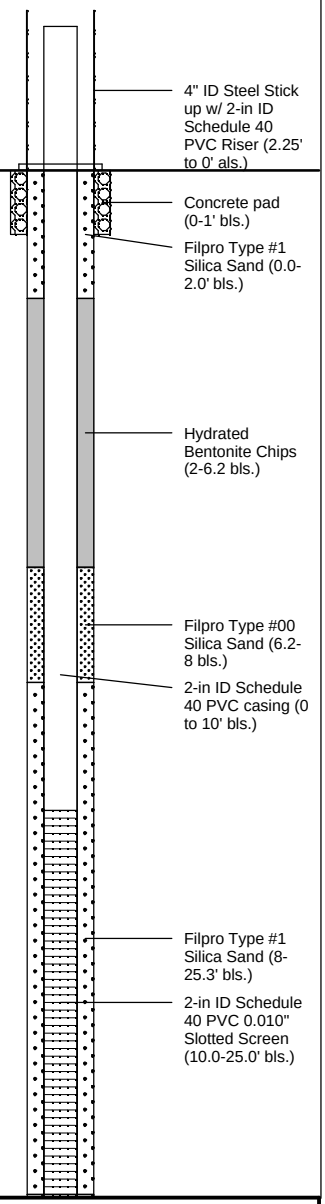
Well/Boring ID: **OPCA-MW-2R**

Client: General Electric Company

Location: OPCA GMA-4, Pittsfield, Mass.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
1020 / 0						
1015 / 5	1	5-7	2	0.0		DARK Brown, Sandy SILT, Trace (+)fine gravel to course sand, sub angular-sub. rounded, med. Dense, moist
						Med. Brown, Silty SAND, Very Fine sub-angular sand, some fine sand, trace course sand to fine gravel, loose, moist
1010 / 10	2	10-12	2	0.0		Med. Brown, Silty SAND, Very Fine sub-angular sand, some fine sand, trace course sand to fine gravel, loose, wet
						Med. Brown, Sandy SILT, Very Fine to (+)Fine sub-angular sand, loose to med. dense, moist
1005 / 15	3	15-17	21"	0.0		Lt. Brown, SAND, Very Fine to (+)Fine sub-angular sand, loose, moist

Well/Boring Construction



ARCADIS
Infrastructure, environment, facilities

Remarks: 4 1/4" ID Augers
bls. -Below Land Surface
als. -Above Land Surface
Stick up: 2.25' als.

Client: General Electric Company

Well/Boring ID: **OPCA-MW-2R**

Borehole Depth: 29' bgs

Site Location:
OPCA GMA-4, Pittsfield, Mass.

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
						Lt. Brown, SAND, Very Fine to (+)Fine sub-angular sand, loose, moist	
1000							
20	4	20-22	22"	0.0		Med. Brown to Dark brown, trace sub-angular coarse gravel, med. dense, Moist - Wet.	2-in ID Schedule 40 PVC 0.010" Slotted Screen (10.0-25.0' bls.)
						Med. Brown, silty SAND, Very Fine to (+)Fine sub-angular sand, some silts, loose, wet	Filpro Type #1 Silica Sand (8-25.3' bls.)
995							
25	5	25-27	2	0.0		Lt. to Med. Gray w/ tints of Brown, clayey SILT, slight plasticity, dense, moist	Bottom well cap (25-25.3 bls.)
	6	27-29	14"	0.0		Lt. to Med. Gray w/ tints of Brown, clayey SILT, slight plasticity, dense, moist	Filpro Type #1 Silica Sand (25.3-29' bls.)
990							
30							

ARCADIS
Infrastructure, environment, facilities

Remarks: 4 1/4" ID Augers
bls. -Below Land Surface
als. -Above Land Surface
Stick up: 2.25' als.