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Transmitted Via Overnight Courier

September 13, 2006

Ms. Sharon Hayes
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 2006

Dear Ms. Hayes:

In accordance with GE's approved *Baseline Monitoring Program Proposal for Plant Site 3 Groundwater Management Area* (July 2001) and *Groundwater Management Area 4 Baseline Groundwater Quality and NAPL Monitoring Interim Report for Fall 2003* (February 2004) (Fall 2003 GMA 4 Report), enclosed is the *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2006.* This report summarizes activities performed at Groundwater Management Area (GMA) 4 (also known as the Plant Site 3 GMA) during spring 2006, 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 (as proposed in the Fall 2003 GMA 4 Report and approved by EPA). 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.

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

Sincerely,

Richard W. Gates /ltf

Richard W. Gates
Remediation Project Manager

Enclosure
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Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2006

General Electric Company
Pittsfield, Massachusetts

September 2006

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1. Introduction

1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD governs (among other things) the performance of response actions to address polychlorinated biphenyls (PCBs) and other hazardous constituents in soil, sediment, and groundwater in several Removal Action Areas (RAAs) located in or near Pittsfield, Massachusetts that collectively comprise the GE-Pittsfield/Housatonic River Site (the Site). For groundwater and non-aqueous-phase liquid (NAPL), the RAAs at and near the GE Pittsfield facility have been divided into five separate Groundwater Management Areas (GMAs), which are illustrated on Figure 1. These GMAs are described, together with the Performance Standards established for the response actions at and related to them, in Section 2.7 of the *Statement of Work for Removal Actions Outside the River* (SOW) (Appendix E to the CD), with further details presented in Attachment H to the SOW (Groundwater/NAPL Monitoring, Assessment, and Response Programs). This report relates to the Plant Site 3 Groundwater Management Area, also known as and referred to herein as GMA 4.

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

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

on the results obtained from each event. The fourth baseline monitoring report for GMA 4, titled *Groundwater Management Area 4 Baseline Groundwater Quality Interim Report for Fall 2003* (Fall 2003 GMA 4 Groundwater Quality Report), was submitted to EPA on January 30, 2004. Section 6.1.3 of Attachment H to the SOW provides that if the two-year "baseline" period ends prior to the completion of soil-related response actions at all the RAAs within a GMA, GE may make a proposal to EPA to modify and/or extend the Baseline Monitoring Program based on the results of the initial assessment and the estimated timing of future response actions at the RAAs in the GMA. The approved GMA 4 Baseline Monitoring Proposal also allows GE to propose a modification and/or extension of the baseline monitoring program based on the results of the initial assessment and the estimated timing of future response actions. The Fall 2003 GMA 4 Groundwater Quality Report contained such a proposal to modify and extend baseline groundwater quality monitoring activities at GMA 4 (under a program referred to as an interim monitoring program) until such time as the soil-related Removal Actions at the GMA 4 RAAs are completed and the specific components of a long-term groundwater quality monitoring program are determined. EPA conditionally approved the Fall 2003 GMA 4 Groundwater Quality Report by letter dated May 19, 2004. Under the approved interim monitoring program, semi-annual or annual water quality sampling (alternating between the spring and fall seasons) and periodic water level monitoring at selected GMA 4 wells was initiated in spring 2004, as documented in the *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2004* (Spring 2004 Groundwater Quality Report) that was approved by EPA in a letter dated November 12, 2004.

As part of the interim monitoring program, GE is required to submit reports after each groundwater sampling event to summarize the groundwater monitoring results and related activities and, as appropriate, propose modifications to the monitoring program. This *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Spring 2006* (Spring 2006 Groundwater Quality Report) presents the results of groundwater sampling activities performed at this GMA during April 2006, as well as other groundwater-related activities performed at this GMA between January and June 2006.

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 by Pittsfield Generating Company, L.P. (PGC) under a lease with GE. The eastern portion of this GMA is mostly paved or covered by Buildings OP-1 and OP-2, which contain operations of General Dynamics Corporation conducted under contract with the U.S. Department of the Navy. (GE continues to own the land beneath those buildings.)

GE has performed several activities to select, design, and utilize the Hill 78 and Building 71 OPCAs within GMA 4. These areas have been and will continue to be used for the permanent consolidation of materials (e.g., soil, sediment, and demolition debris) removed during response actions and building demolition activities associated with the 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), as depicted on Figure 2, to provide spatial representation on all sides of the OPCAs (i.e., upgradient, downgradient, and cross-gradient). Groundwater samples obtained from these 12 wells were analyzed for PCBs and other constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides) plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3). As discussed below in Section 4.3.4, the analytical results from that baseline investigation along with the results from subsequent groundwater sampling events conducted for the OPCA monitoring program wells are presented in Table B-1 in Appendix B of this report.

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

As set forth in the GMA 4 Baseline Monitoring Proposal and GMA 4 Baseline Monitoring Proposal Addendum, the baseline monitoring program at this GMA initially involved a total of 31 monitoring wells, including supplemental wells H78B-16, and H78B-17R. The supplemental wells were sampled solely for VOCs to assess the presence of trichloroethene (TCE) and other chlorinated compounds along the southern boundary of GMA 4. Subsequent modifications to the program approved by EPA resulted in: the decommissioning of three wells (78-7, H78B-8, and H78B-8R); the replacement of one monitoring well (GMA4-4 for NY-4); and the installation and sampling of a new well GMA4-5 (designated as a GW-2 sentinel/compliance well). 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. Well GMA4-5 was sampled as a GW-2 well for the first time in fall 2003 to further evaluate volatile organic compounds (VOCs) south of GMA 4 and, pursuant to EPA's May 19, 2004 conditional approval letter, well H78B-16 has been retained for the interim monitoring program along with well H78B-17R. Both of these wells will be sampled on an annual basis alternating between spring and fall, with the initial annual sampling event conducted in spring 2004 and the next scheduled event being fall 2007.

In fall 2005, as approved by EPA, GE evaluated the presence of cyanide in groundwater by submitting each sample for two separate analyses: (1) the standard method that has been utilized in the program (i.e., EPA Method 9014); and (2) the modified analytical method finalized by MDEP to determine the concentrations of physiologically available cyanide (PAC). Based on the results from that sampling event, GE proposed to implement the PAC Protocol for all future cyanide analyses at GMA 4. EPA verbally approved that modification prior to the spring 2006 sampling event, followed by written approval in a letter dated June 5, 2006.

Groundwater from deep bedrock wells within GMA 4 is utilized for industrial purposes at the PGC facility. Currently, PGC personnel 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 by PGC for samples collected from well ASW-5 in its OPCA groundwater monitoring program reports and continues to include those results in the GMA 4 interim monitoring program reports. The current PGC analytical results appear in Table C-1 in Appendix C of this report.

As previously reported, wells H76B-16, and H78B-17R are sampled on an annual basis and analyzed for VOCs to monitor the potential presence of TCE and other chlorinated compounds. Currently, and as reported in previous GMA 4 Baseline Groundwater Quality Reports, TCE is present in groundwater at wells H78B-16 and H78B-17R, among other locations. These wells are located at the downgradient edge of GMA 4 (Figure 3). In addition, the surface of a dense glacial till forms a trough-like structure in this area (Figure 4), which acts as a confining layer against vertical migration of TCE and other chlorinated constituents. Based on the location of these two wells 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 4, 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. The fourth baseline sampling event at well 60B-R was completed in spring 2004, and the fourth baseline sampling event for well H78B-13R was completed in fall 2004, with the exception that certain semi-volatile organic compounds

(SVOCs) from the fall 2004 sampling event for well H78B-13R were rejected during the data validation process. Accordingly, this well was sampled during the spring 2005 sampling event for analysis of SVOCs to obtain a total of four complete data sets from this location. Well UB-MW-5 had not been successfully sampled prior to the spring 2004 sampling event, as groundwater was not present in that well during each of the previous sampling attempts. However, groundwater samples were able to be collected for analyses during the spring 2004, spring 2005, fall 2005, and spring 2006 sampling events. During the fall 2004 sampling event, although groundwater was initially present at well UB-MW-5, a sample could not be collected since the well did not recharge after a limited amount of purging was conducted.

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 2005, the interim monitoring program consists of:

- Sampling and analysis of 11 OPCA-related wells on a semi-annual basis. Well NY-4 and its replacement well (GMA4-4) have been removed from the monitoring program.

- 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**.**

- Evaluation of data collected from well GMA4-5. This well was initially installed as a GW-2 well downgradient of GMA 4 prior to the fall 2003 sampling event and was subsequently included in a groundwater monitoring program being conducted relative to the adjacent Commercial Street ACO site. However, that well is currently no longer sampled under either the GMA 4 or Commercial Street groundwater monitoring programs. Groundwater elevation data collected from well GMA4-5 is included in this report.

- Continued baseline sampling attempts at well UB-MW-5 until four rounds of sampling were completed, which was accomplished in spring 2006.

GE initiated the spring 2006 groundwater sampling event on April 17, 2006 and completed the required data collection at all locations scheduled to be sampled during the spring 2006 sampling event on April 19, 2006. The GMA 4 interim groundwater quality monitoring program activities performed in spring 2006 are summarized on Table 1.

1.3 Format of Document

The remainder of this report is presented in five sections. Section 2 describes the activities performed under the interim monitoring program at GMA 4 in spring 2006. Section 3 presents the analytical results obtained during the spring 2006 groundwater sampling event, while Section 4 provides a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW and provides an assessment of the results of the spring 2006 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 for those wells designated as OPCA monitoring locations. Section 5 proposes certain modifications to the interim groundwater quality monitoring program, which will be continued until such time as the soil-related Removal Actions at the GMA 4 RAAs are completed and the need for a long-term monitoring program is fully determined. Finally, Section 6 presents the schedule for future field and reporting activities related to groundwater quality at GMA 4.

2. Field and Analytical Procedures

2.1 General

The activities conducted as part of the interim groundwater monitoring program, and summarized herein primarily involved the measurement of groundwater levels and the collection and analysis of groundwater samples at select monitoring wells within GMA 4, as described on Tables 1 and 2, and depicted on Figure 2. The construction details of the monitoring wells and/or locations sampled at GMA 4 in spring 2006 are provided in Table 3, and the spring 2006 field sampling records are presented in Appendix D. This section discusses the field procedures used to measure site groundwater levels, check for the presence of NAPL, and collect groundwater samples, as well as the methods used to analyze the groundwater samples. All activities were performed in accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

2.2 Well Installation and Development

In the Fall 2005 GMA 4 Baseline Groundwater Report, GE discussed a proposed expansion of the Hill 78 OPCA to the south and west of its current limits, which would cover the OPCA-MW-1 well location. GE proposed to decommission this well following EPA approval of the OPCA expansion and to utilize well GMA4-4 as a replacement for well OPCA-MW-1 in the OPCA groundwater monitoring program as a GW-2 Sentinel Well/GW-3 General Source Area Sentinel Well. GE also proposed that a new well (to be designated as GMA4-6) be installed along Tyler Street Extension to provide an additional groundwater elevation monitoring point along the northern boundary of GMA 4. In addition, GE proposed to replace any wells being added to the quarterly groundwater elevation monitoring program (i.e., wells NY-3, NY-4, and SCH-4) if they could not be located or were found to be unusable. In its conditional approval letter dated June 5, 2006, EPA approved the installation of well GMA4-6 and directed GE to install a new replacement well (to be designated as OPCA-MW-1R) at a location closer to OPCA-MW-1. GE installed replacement monitoring well OPCA-MW-1R and new monitoring wells GMA4-6 in spring 2006, following the spring 2006 sampling event. The other monitoring wells added to the groundwater elevation monitoring program were located and found to be in good condition, so no additional well replacements were necessary. The locations of these wells are shown on Figure 2. Table 3 shows the survey data and well construction details for these new and replacement wells, along with the existing

wells in the baseline monitoring program. Monitoring well logs for the new and replacement wells are presented in Appendix G.

Following installation, 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.

2.3 Groundwater Level Measurement and LNAPL Monitoring

The spring 2006 groundwater elevation monitoring event at GMA 4 was performed on April 12 and April 13, 2006. This activity involved collecting groundwater level data at the wells listed in Table 4. Groundwater elevations were, on average, approximately 0.52 feet lower than the elevations measured during the prior spring monitoring round in 2005 at water table wells measured during both monitoring events. The groundwater elevation data shown in that table were subsequently used to prepare a groundwater elevation contour map (Figure 3). As shown on Figure 3, the groundwater flow directions are generally consistent with those observed during previous seasonal monitoring events. A comparison of the groundwater contour map with the top of till contour map (Figure 4) 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. Wells 78-6 and GMA4-6 are located within this depression along the northern portion of GMA 4 and the groundwater elevations at these wells are lower than in other wells surrounding the OPCAs to the south, east and west. However, Figure 3 shows that groundwater flow in the immediate vicinity of these wells is generally west to east near well GMA4-6 and east to west near well 78-6. As directed in EPA's June 5, 2006 letter, GE will continue to monitor wells in this area to evaluate groundwater flow conditions around the OPCAs.

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

wells OPCA-MW-2 and 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.

Several other wells were also monitored on other occasions during spring 2006 (e.g., during inspections of wells NY-3 and NY-4 and during the course of sample collection). The results of all groundwater elevation/NAPL monitoring activities performed during spring 2006 are summarized in Appendix E. As noted above, field observations and measurements indicate that NAPL has not entered wells OPCA-MW-2, OPCA-MW-3, or GMA4-3, or been encountered in any of the other wells monitored and/or sampled during spring 2006.

2.4 Groundwater Sampling and Analysis

2.4.1 GMA 4 Sampling

The spring 2006 interim sampling event was performed between April 17, 2006 and April 19, 2006 at 14 groundwater monitoring wells, which include: 11 groundwater monitoring wells associated with the OPCA monitoring program; one well in the baseline groundwater quality sampling program that has been sampled on less than four occasions (UB-MW-5); and two other groundwater monitoring wells (H78B-16 and H78B-17R). Well construction information for the GMA 4 monitoring wells is included in Table 3.

Groundwater samples were generally collected in accordance with GE's approved FSP/QAPP, with minor variations that have been agreed upon by EPA and GE. Specifically, as previously approved by EPA, a modification from the sampling methods described in the FSP/QAPP was again implemented for several wells that intersect the glacial till at this GMA. GE placed the pump intakes at a level above the till interface, rather than at the midpoint of the water column, if the midpoint was below the top of till. This modification was made to allow the pump intake to be placed in the more permeable zone above the till, which presumably supplies most of the groundwater in the wells. The approximate pump intake depth and type of pump used during the spring 2006 sampling event are provided in Table D-1 and are identified on the sampling records contained in Appendix D. This modification was included in the draft revisions to the FSP/QAPP submitted to EPA on February 10, 2006.

Low-flow sampling techniques, using either a bladder or peristaltic pump, were utilized for the purging and collection of groundwater samples during this sampling event. Each monitoring well that was sampled was purged utilizing low-flow sampling techniques until field parameters (including temperature, pH, specific conductivity, turbidity, dissolved oxygen, and, oxidation-reduction potential) stabilized prior to sample collection. Field parameters were measured in combination with the sampling activities at the monitoring wells. The field parameter measurements are presented in Table 5 and the field sampling records are provided in Appendix D. A general summary of the field measurement results during the spring 2006 monitoring event is provided below.

PARAMETER	UNITS	RANGE
Temperature	Degrees Celsius	8.56 – 12.74
pH	pH units	6.67 – 11.47
Specific Conductivity	Millisiemens per centimeter	0.46 – 3.23
Turbidity	NTUs	1 - 25
Dissolved Oxygen	Milligrams per liter	0.61 – 100.9
Oxidation-Reduction Potential	Millivolts	-114.0 – 203.2

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 groundwater samples with low turbidity.

The collected groundwater samples were submitted to SGS Environmental Services, Inc. of Charleston, West Virginia for laboratory analysis. All groundwater samples collected during this sampling event, except those from well H78B-15 (where samples for SVOC analysis were scheduled for collection but inadvertently omitted), and wells H78B-16 and H78B-17R (which were monitored solely for VOCs), were submitted for analysis of the following constituents using the associated EPA methods:

CONSTITUENT	EPA METHOD
VOCs	8260B
SVOCs	8270C
PCBs	8082

CONSTITUENT	EPA METHOD
Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans (PCDDs/PCDFs)	8290
Metals	6010B, 7000A, and 7470A
Physiologically Available Cyanide (Filtered Samples)	9014/MDEP PAC Protocol
Sulfide	9034

Split samples from selected monitoring wells were also provided upon request to EPA's subcontractor (Weston Solutions, Inc.) for separate analyses performed at the discretion of EPA. Split samples from monitoring wells 78-1 and 78-6 were analyzed by EPA in spring 2006 and the results of those analyses have been utilized in the data assessments contained in this report.

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, along with the identification, when applicable, of sample results above the applicable MCP Method 1 standards and/or UCLs.

The GE data for the spring 2006 interim groundwater quality sampling were validated in accordance with the FSP/QAPP. As discussed in the validation report provided as Appendix F, 99.8% of the spring 2006 groundwater quality data are considered to be useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The VOC, PCB, PCDD/PCDF, and inorganic sample results were found to be 100% usable, while the SVOC sample results were found to be 98.9% usable. The rejected SVOC results were limited to one groundwater sample (OPCA-MW-5R), where 16 phenolic results were rejected due to low surrogate recoveries.

Notwithstanding the results of the data validation, as discussed below, a significant disparity exists between the PCB data on the sample collected by GE from well 78-6 and the corresponding EPA split sample data from that well. GE believes that this disparity raises questions about certain of the PCB data from this sampling round, and Section 5.4 proposes the collection of additional samples from selected wells on an expedited basis to resolve these questions.

2.4.2 Pittsfield Generating Company Sampling

In accordance with PGC's existing permitted program, PGC personnel 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 by PGC for samples collected from ASW-5 in this report, as well as a comparison of these data to historical results. A summary of well ASW-5 monitoring results is provided in Table C-1 within Appendix C.

3. Groundwater Analytical Results

3.1 General

A description of the spring 2006 groundwater analytical results is presented in this section. Tables 6 and 7 provide a comparison of the concentrations of detected constituents with the currently applicable groundwater quality Performance Standards established in the CD and SOW, while Table 8 presents a comparison of the concentrations of detected constituents with the UCLs for groundwater. Table A-1 in Appendix A provides the complete data (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 Interim Groundwater Quality Results

The following subsections provide an overview of the spring 2006 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 14 groundwater samples were collected and analyzed for VOCs during the spring 2006 sampling event. The VOC analytical results are summarized in Table A-1 within Appendix A. No VOCs were detected in eight of the groundwater samples, while eight individual VOCs were observed (four of which were only detected at estimated concentrations below their respective PQLs) in one or more of the remaining six samples. Where detected, total VOC concentrations ranged from an estimated concentration of 0.00097 ppm (at well UB-MW-5) to 0.24 ppm (at well H78B-17R). No VOCs were detected in the groundwater samples from wells 78-1 or 78-6 or in the split samples from these wells analyzed for VOCs by EPA.

As discussed in Section 4.3.1 two VOCs were detected at concentrations above the MCP Method 1 GW-2 standards. These two VOCs were trichloroethene at well H78B-17R (which is not a GW-2 compliance point), based on a newly effective standard that had been reduced by a factor of ten from the prior GW-2 standard, and vinyl chloride at well OPCA-MW-5R. All detected VOC concentrations were below the applicable MCP Method 1 GW-3 standards.

3.2.2 SVOC Results

A total of 11 groundwater samples were collected and analyzed for SVOCs during the spring 2006 sampling event. The SVOC analytical results are summarized in Table A-1 within Appendix A. No SVOCs were detected in any of the samples analyzed by GE. A trace level of one SVOC, bis(2-ethylhexyl) phthalate (a common laboratory contaminant), was detected in the split groundwater sample from well 78-1 analyzed for SVOCs by EPA.

3.2.3 PCB Results

Unfiltered groundwater samples from one monitoring well and filtered groundwater samples from 12 wells were analyzed for PCBs as part of the spring 2006 sampling event. Because monitoring well UB-MW-5 was sampled and analyzed under the baseline monitoring program protocol, both unfiltered and filtered samples from this well were analyzed for PCBs. The remaining wells, however, were sampled and analyzed in accordance with the interim monitoring program protocols, which provide for analysis of filtered PCB samples only. The PCB analytical results are summarized in Table A-1 within Appendix A.

PCBs were detected in eight of the twelve filtered samples. The total detected PCB concentrations in the filtered samples ranged from 0.00018 ppm (well OPCA-MW-3) to 0.0010 ppm (well OPCA-MW-1, with a duplicate sample concentration of 0.00088 ppm). No PCBs were detected in the unfiltered sample collected from well UB-MW-5. As discussed in Section 4.3.2 below, five of the groundwater samples contained PCBs at concentrations above the applicable MCP Method 1 GW-3 standard of 0.0003 ppm during spring 2006 (although at one of those locations, as discussed below, EPA's split sample was non-detect for PCBs), while the remaining three of the groundwater samples containing PCBs showed concentrations below the GW-3 standard.

An estimated total PCB concentration of 0.00017 ppm was reported in the split groundwater sample from well 78-1 analyzed by EPA. This concentration is comparable to the concentration of 0.00024 ppm reported by GE's laboratory at this location. However, at well 78-6, the sample analyzed for GE contained a total PCB concentration of 0.00079 ppm, which is above the GW-3 standard, while the EPA split sample from this location did not contain any detectable levels of PCBs. This disparity raises questions certain of the PCB data from this sampling round. Accordingly, as discussed in Section 5.4, GE proposes to perform an expedited sampling event

at monitoring well 78-6 (and certain other wells at this GMA) to evaluate laboratory performance prior to the completion of the fall 2006 sampling round.

3.2.4 PCDD/PCDF Results

Groundwater samples collected from 12 monitoring wells were analyzed for PCDDs/PCDFs during the spring 2006 sampling event. The analytical results are summarized in Table A-1 within Appendix A. In addition, total Toxicity Equivalency Quotients (TEQs) were calculated for the PCDD/PCDF compounds using the Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO). In calculating those TEQs, the concentrations of individual PCDD/PCDF compounds that were not detected were represented as one-half of the analytical detection limit for those compounds. Thus, total TEQ concentrations are presented for all 12 groundwater samples analyzed during this sampling event, even though individual PCDD/PCDF compounds were only detected in two samples. Total TEQ concentrations ranged from $1.2x10^{-8}$ ppm to $1.6x10^{-8}$ ppm.

3.2.5 Inorganic Constituent Results

Unfiltered groundwater samples were collected from one monitoring well (UB-MW-5, which was sampled and analyzed under the prior baseline monitoring program protocol) and filtered groundwater samples were obtained from 12 monitoring wells (11 which were sampled and analyzed in accordance with the current interim monitoring program protocols, plus well UB-MW-5) for analysis of inorganic constituents during the spring 2006 sampling event. Unfiltered samples from 12 wells were also analyzed for sulfide. The analytical results for these samples are summarized in Table A-1 within Appendix A.

All sampling locations contained inorganic constituents in either the unfiltered or filtered samples. Eight individual inorganic constituents were observed in the unfiltered sample, and up to 11 individual inorganic constituents were detected in at least one filtered sample. The most commonly observed inorganics were barium (detected in the unfiltered sample and all 12 of the filtered samples), sulfide (detected in 11 of the unfiltered samples), and chromium (detected in the unfiltered sample and 6 filtered samples). All detected inorganic constituent concentrations were below the applicable MCP Method 1 GW-3 standards. Inorganic constituent concentrations reported in the split groundwater samples from wells 78-1 and 78-6 analyzed by EPA, were generally comparable to the concentrations reported by GE's laboratory, with the exception of sulfide (detected

at estimated concentrations of 5.6 ppm and 8.8 ppm in the respective samples from wells 78-1 and 78-6 analyzed by GE, while the EPA split samples did not contain any detectable levels of sulfide).

3.3 Pittsfield Generating Company Sample Results

The results of the most recent deep bedrock groundwater sampling activities performed by PGC at industrial supply well ASW-5 (conducted in June 2006), along with data from prior sampling events, are summarized in Table C-1 of Appendix C. PCBs were not detected in this well, while the only VOC detected in the groundwater sample collected from this well was TCE at a concentration of 0.014 ppm.

4. Assessment of Results

4.1 General

This report constitutes the fifth interim groundwater quality monitoring report for GMA 4, and is the eleventh 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 2006 groundwater sampling event, supplemented with historical groundwater analytical data when applicable.

4.2 Groundwater Quality Performance Standards

The Performance Standards applicable to response actions for groundwater at GMA 4 are set forth in Section 2.7 and Attachment H (Section 4.1) of the SOW. In general, the Performance Standards for groundwater quality are based on the groundwater classification categories designated in the MCP. The MCP identifies three potential groundwater categories that may be applicable to a given site. One of these, GW-1 groundwater, applies to groundwater that is a current or potential source of potable drinking water. None of the groundwater at any of the GMAs at the Site is classified as GW-1; however, the remaining MCP groundwater categories are applicable to GMA 4 and are described below:

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

- GW-3 groundwater is defined as groundwater that discharges to surface water. By MCP definition, all groundwater at a site is classified as GW-3 since it is considered to ultimately discharge to surface water. In accordance with the CD and SOW, all groundwater at GMA 4 is considered as GW-3.

The CD and the SOW allow for the establishment of standards for GW-2 and GW-3 groundwater at the GMAs through use of one of three methods, as generally described in the MCP. The first, known as Method 1, consists of the application of pre-established numerical "Method 1" standards set forth in the MCP for both GW-2 and

GW-3 groundwater (310 CMR 40.0974). These "default" standards have been developed to be conservative and will serve as the initial basis for evaluating groundwater at GMA 4. The current MCP Method 1 GW-2 and GW-3 standards for the constituents detected in the spring 2005 sampling event are listed in Tables 6 and 7, respectively. For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards. Of course, whichever method is used to establish such groundwater standards, GW-2 standards will be applied to GW-2 groundwater and GW-3 standards will be applied to GW-3 groundwater.

On January 9, 2006, MDEP approved revised Method 1 numerical standards for a number of constituents in groundwater. The revised standards became effective on April 3, 2006. GE had previously proposed to incorporate the revised MCP Method 1 Groundwater Standards into future data assessments once those standards were finalized, and this report constitutes the first report at this GMA for which those standards will be used.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 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 – or – as identified in the interim monitoring program, specifically well GMA4-5), groundwater quality shall achieve any of the following:

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

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

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

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

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

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

These Performance Standards are to be applied to the results of the individual monitoring wells included in the monitoring program. Several monitoring wells have been designated as the compliance points for attainment of the Performance Standards identified above. These wells were identified in the GMA 4 Baseline Monitoring Proposal Addendum and are described further in Sections 4.3.1 (for GW-2 wells) and 4.3.2 (for GW-3 wells).

In addition to the Performance Standards described above, analytical results from all groundwater monitoring wells sampled during the spring 2006 sampling event were compared to the MCP UCLs for groundwater. Analytical results from wells included in the OPCA groundwater monitoring program were also compared to the 1999 baseline data, as well as prior OPCA-related monitoring data, for those wells.

4.3 Groundwater Quality – Spring 2006

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the spring 2006 groundwater sampling event were compared to the groundwater Performance Standards for GMA 4. These Performance Standards are described in Section 4.2 above and are currently based (on a well-specific basis) on the MCP Method 1 GW-2 and/or GW-3 standards. The following subsections discuss the fall 2005 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 analyzed as either a filtered or unfiltered sample (i.e., PCBs and inorganics), the filtered results were utilized for comparison to the MCP GW-2 and GW-3 standards, while both the filtered and unfiltered results were compared to the MCP UCLs for groundwater. Monitoring well UB-MW-5 was sampled and analyzed under the baseline program protocols (i.e., both filtered and unfiltered samples were collected) while the remaining wells were sampled and analyzed in accordance with the approved interim program protocols during the spring 2006 sampling event, which provides for the collection of filtered data only for PCB and inorganic constituent analyses (as appropriate).

4.3.1 Groundwater Results Relative to GW-2 Performance Standards

Groundwater samples were collected from five 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-1, OPCA-MW-4, OPCA-MW-5R, and UB-MW-5. In addition to these GW-2 compliance wells, monitoring wells H78B-16 and H78B-17R were also sampled and the results from those analyses were compared to the GW-2 standards due to their location near the boundary of this GMA and upgradient of occupied buildings. The spring 2006 groundwater analytical results for the detected constituents within these seven wells were compared to the MCP Method 1 GW-2 standards as presented in Table 6.

As shown in Table 6, trichloroethene (TCE) and vinyl chloride were the only constituents observed at concentrations above their respective MCP Method 1 GW-2 standards, and the TCE exceedance occurred in a

single well that is not classified as a GW-2 well. As noted above, the newly-effective GW-2 standard for TCE is one-tenth of the prior standard. This is the first time this well has been monitored under the new GW-2 standard, and, therefore, the first observed exceedance of this new standard at this well.

TCE was detected at a concentration of 0.16 ppm in well H78B-17R, as compared to the newly-effective Method 1 GW-2 standard of 0.03 ppm. This concentration is lower than that detected at the same well during the prior sampling event at this well in fall 2005. Well H78B-17R is located downgradient from and adjacent to PGC's Steam Turbine Generator Building. The closest occupied building to monitoring well H78B-17R is PGC's Steam Turbine Generator Building approximately 240 feet to the northwest. Based on this distance the GW-2 standards are not applicable for well H78B-17R, but GE has compared the analytical results to this standard for purposes of the downgradient TCE assessment being conducted as part of the interim monitoring program.

At well OPCA-MW-5R, located approximately 120 feet upgradient from PGC's Gas Turbine Generator Building, vinyl chloride was detected at a concentration of 0.0071 ppm, as compared to the Method 1 GW-2 standard of 0.002 ppm. This was the first time that vinyl chloride has been detected at this location, although concentrations of vinyl chloride above the Method 1 GW-2 standard have previously been observed at well OPCA-MW-4, located approximately 300 feet west of OPCA-MW-5.

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 and a potential trigger level for the proposal of interim response actions, as discussed below).

The SOW requires that interim response actions be proposed at locations where samples exceed the Method 1 GW-2 standards at GW-2 compliance wells in which: (a) such an exceedance had not previously been detected, or (b) there was a previous exceedance of the Method 1 GW-2 standard and the groundwater concentration is greater than or equal to 5 ppm total VOCs (if the exceedance was not previously addressed). These interim response actions may include: (1) further assessment activities, such as resampling, increasing the sampling frequency to quarterly, additional well installation, soil gas sampling, desk-top modeling of potential volatilization of chemicals from groundwater to the indoor air of nearby occupied buildings, and/or sampling of the indoor air of such buildings; (2) active response actions; and/or (3) the conduct of a site-specific risk evaluation and/or proposal of alternative risk-based GW-2 Performance Standards.

For monitoring well H78B-17R, although the results are being compared to the Method 1 GW-2 standards, the well should not be classified as a GW-2 well as it is located at a distance much greater than 30 feet from an occupied building. Downgradient impacts to water quality have and will continue to be monitored at the nearby Commercial Street Site. As a conservative approach to identifying potential offsite TCE levels in groundwater, GE will also continue to sample this well annually and to compare the results to the MCP Method 1 GW-2 standards.

During the spring 2006 sampling event, vinyl chloride was detected in well OPCA-MW-5R at a concentration of 0.0071 ppm, which is above the Method 1 GW-2 standard of 0.002 ppm. This well is more than 30 feet from an occupied building, indicating that GW-2 classification does not strictly apply to this well. Since this is the first event in which vinyl chloride has been detected at this well, GE's proposed response, as also discussed in Section 5.3, is to continue monitoring this well to further assess vinyl chloride concentrations. GE will continue monitoring this well as part of the OPCA semi-annual groundwater monitoring program.

4.3.2 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from 14 wells for which all but one (well H78B-16) are designated under the GMA 4 monitoring program as GW-3 monitoring points during the spring 2006 groundwater sampling event. The analytical results for the constituents detected in these wells were compared to the applicable MCP Method 1 GW-3 standards as presented in Table 7. Although Table 7 provides a comparison of the spring 2006 analytical results from the 14 monitoring wells with GW-3 standards, only one of the GW-3 monitoring wells sampled during the spring 2006 sampling event (i.e., downgradient perimeter well H78B-17R) has been designated as a compliance point for the GW-3 standards. The remaining GW-3 wells are either upgradient perimeter wells (78-1, 78-6, and UB-MW-5), general source area/sentinel wells (H78B-15, and OPCA-MW-1 through OPCA-MW-8), or supplemental monitoring points (well H78B-16).

The comparisons set forth in Table 7 show that the total PCB concentrations detected within the filtered samples collected from wells 78-6 (0.00079 ppm in the GE sample, with an EPA split sample showing no detectable PCBs), H78B-15 (0.00033 ppm), OPCA-MW-1 (0.001 ppm, with a duplicate sample concentration of 0.00088 ppm), OPCA-MW-4 (0.00031 ppm) and OPCA-MW-7 (0.00033 ppm) exceed the applicable MCP Method 1 GW-3 groundwater standard of 0.0003 ppm. This is the first time that the MCP Method 1 GW-3 groundwater standard for PCBs has been exceeded at wells 78-6 and OPCA-MW-4 (although no PCBs were detected in the

EPA split sample from well 78-6 and PCB concentrations above 0.0003 ppm have been observed in prior unfiltered samples collected from well OPCA-MW-4).

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

None of the five wells where the Method 1 GW-3 standard for PCBs was exceeded in spring 2006 is a downgradient perimeter well. In addition, exceedances of the MCP GW-3 standard for PCBs were previously observed in filtered samples from three of these wells (H78B-15, OPCA-MW-1, and OPCA-MW-7). Although the PCB result from wells 78-6 (GE sample) and OPCA-MW-4 represented the first detection of PCBs above the MCP GW-3 standard, the detected concentrations are not significantly above the standard and low levels of PCBs have previously been observed in both filtered and unfiltered samples from these locations at other times during the baseline monitoring program. In addition, a split sample from well 78-6 analyzed by EPA did not contain any detectable concentrations of PCBs.

GE believes that the disparity between the GE and EPA analytical results from well 78-6 raises questions about certain PCB data from this sampling round. Therefore, GE proposes to perform expedited sampling at selected wells to assess laboratory performance (as described in Section 5.4), and to continue monitoring these wells as part of the OPCA semi-annual groundwater monitoring program. In addition, well GMA4-6, which is located in the vicinity of well 78-6, will be added to the OPCA groundwater monitoring program, as required by EPA in its June 5, 2006 conditional approval letter. As additional data are collected, GE will assess whether further response actions are necessary at these wells.

4.3.3 Comparison to Upper Concentration Limits

In addition to comparing the spring 2006 groundwater analytical results with applicable MCP Method 1 GW-2 and MCP Method 1 GW-3 standards, those results have also been compared with the groundwater UCLs specified in the MCP (310 CMR 40.0996(7)). These comparisons are presented in Table 8, which indicates that none of the constituents detected was above its respective UCL in any of the groundwater samples analyzed during the spring 2006 sampling event.

4.3.4 Comparison to OPCA Baseline and Prior Groundwater Data

Groundwater samples were collected from 11 OPCA monitoring wells during the spring 2006 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 1999 and 2005 OPCA groundwater monitoring events are summarized in Table B-1 within Appendix B. Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB concentrations for the OPCA wells over the duration of the groundwater monitoring program are also presented in Appendix B, along with graphs of historical concentrations of individual constituents where concentrations exceeded the applicable current MCP Method 1 GW-2 or GW-3 standards or UCLs during at least one OPCA monitoring program sampling event. The results of these comparisons for each analytical constituent group (i.e., VOCs, SVOCs, PCBs, PCDDs/PCDFs, and inorganics) are discussed below.

With limited exceptions, the spring 2006 groundwater sampling results from the OPCA monitoring wells were consistent with those from the baseline round and/or recent sampling events. Although certain constituents were detected at levels above the applicable MCP Method 1 GW-2 or GW-3 standards in samples collected from OPCA wells 78-6 (PCBs only in the sample analyzed by the laboratory for GE, with no detectable PCBs in the EPA split sample), H78B-15 (PCBs), OPCA-MW-1 (PCBs), OPCA-MW-4 (PCBs), OPCA-MW-5R (vinyl chloride), and OPCA-MW-7 (PCBs), the detected concentrations of those constituents were not significantly different from prior monitoring results and/or only slightly above the respective MCP Method 1 GW-3 standards. The detected concentrations of all other constituents were below the applicable UCLs, Method 1 GW-2 standards, and/or Method 1 GW-3 standards. Moreover, as discussed above, GE believes that the discrepancy between the detection of PCBs over the GW-3 standard in its sample from well 78-6 and the finding

of no detectable PCBs in EPA's split sample from that well, should be investigated further to verify the PCB data from this round. GE proposes to address those questions as described in Section 5.4.

VOCs

Three VOCs were detected in the spring 2006 OPCA monitoring well samples, two of which were only detected at trace concentrations. Specifically, chlorobenzene, trichloroethene, and vinyl chloride were each detected in one or two of the OPCA monitoring wells. At monitoring well OPCA-MW-2, chlorobenzene was detected at an estimated concentration of 0.0028 ppm. Chlorobenzene was also detected in monitoring well OPCA-MW-5R at an estimated concentration of 0.0021 ppm. Trichloroethene was detected at an estimated concentration of 0.0016 ppm in monitoring well OPCA-MW-4. Vinyl chloride was detected in well OPCA-MW-5R at a concentration of 0.0071 ppm, which is above the applicable MCP Method 1 GW-2 standard (as discussed in Section 4.3.1 above). The detected chlorobenzene and trichloroethene concentrations are well below the applicable MCP Method 1 GW-2 and GW-3 standards and UCLs for groundwater. The vinyl chloride concentration at well OPCA-MW-5R is also below the MCP GW-3 standard and UCL.

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

SVOCs

During the fall 2005 sampling event, one SVOC (1,2,4-Trichlorobenzene) was detected in OPCA monitoring well OPCA-MW-2 at an estimated concentration of 0.0016 ppm in monitoring well but was non-detect in a duplicate sample taken from this location. While that detected concentration was well below the applicable MCP GW-3 standard, , that monitoring event represented the first time that 1,2,4-Trichlorobenzene was detected at this well or any of the other GMA 4/OPCA wells since initiation of the baseline sampling activities. As discussed in the Fall 2005 Groundwater Quality Report, GE continued the OPCA groundwater monitoring program to monitor the concentration of this SVOC in the OPCA wells. No 1,2,4-Trichlorobenzene (or any other SVOCs) were detected in any of the spring 2006 OPCA groundwater samples, with the exception of bis(2-ethylhexyl) phthalate, which is a common laboratory contaminant that was detected at trace levels in the split groundwater sample from well 78-1 analyzed for SVOCs by EPA (but not in the sample analyzed by GE).

PCBs

The spring 2006 analytical results for the OPCA monitoring program indicate that PCBs were detected in eight filtered samples from the OPCA wells. No PCBs were detected in the samples from wells OPCA-MW-2, OPCA-MW-6, or OPCA-MW-8. Five of the filtered samples contained PCBs at concentrations above the applicable Method 1 GW-3 standard of 0.0003 ppm, three of which were only slightly above the standard (wells H78B-15, OPCA-MW-4 and OPCA-MW-7 at concentrations of 0.00033 ppm, 0.00031 ppm and 0.00033 ppm, respectively). None of the PCB detections was above the applicable MCP UCL for PCBs in groundwater of 0.005 ppm.

As illustrated on the historical PCB concentration graphs in Appendix B, although individual high concentrations in filtered samples were recorded at six monitoring wells in spring 2006, PCB concentrations have not changed significantly at the OPCA monitoring wells since the commencement of the baseline monitoring event. Variations in PCB concentrations have generally been minimal, with the exception of certain isolated sampling events (e.g., a sharp increase in PCB concentrations at well H78B-15 in fall 2002, followed by an equally sharp decrease back to typically-observed levels). In spring 2006, a similar, but lower magnitude, increase in PCB concentrations was observed at well 78-6 (although no PCBs were detected in an EPA-analyzed split sample from this well). As discussed above and in Section 5.4 below, GE proposes to perform expedited sampling at several locations to further evaluate the significance of the spring 2006 PCB results and will also initiate groundwater quality monitoring at nearby well GMA4-6, beginning with the next scheduled sampling event.

Other Appendix IX+3 Constituents

Low levels of PCDDs were observed in OPCA groundwater monitoring program well H78B-15R and trace levels of PCDFs were detected in well OPCA-MW-4 during the spring 2006 sampling event. No PCDDs or PCDFs were detected in any of the other OPCA groundwater samples. As previously discussed in Section 3.2.4, TEQ values are calculated for each sample using TEFs and half the detection limit for non-detected PCDDs and PCDFs. The concentrations of these TEQ values are similar to those previously observed during the OPCA groundwater monitoring program and are also below the applicable UCL and Method 1 GW-3 standard.

For inorganic constituents, minor variations in detected concentrations have been observed in several monitoring wells. These fluctuations have been observed during the course of the OPCA groundwater monitoring program

and are considered typical for inorganic constituents in groundwater. None of the detected inorganic constituents exceeded the applicable groundwater standards during this sampling event.

4.3.5 Pittsfield Generating Company Supply Well

As noted above, PGC analyzed one groundwater sample obtained from its deep bedrock supply well ASW-5 for VOCs and PCBs in accordance with its approved monitoring program. No constituents other than TCE were detected in the most recent sample obtained from supply well ASW-5. A table and graphs summarizing the historical analytical results for this well are provided in Appendix C. As shown on those graphs, total VOC concentrations (consisting primarily of TCE) have remained fairly consistent, ranging between 0.012 ppm and 0.038 ppm since June 1996, with the spring 2006 total VOC result (0.014 ppm) residing in the lower portion of this historical range. None of the VOCs detected in this supply well has been observed at concentrations above the MCP Method 1 GW-3 standards. In addition, PCBs have not been detected in this well in any of the samples collected during this time frame.

4.4 Overall Assessment of Groundwater Analytical Results

Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB concentrations for all wells sampled in spring 2005 that have been previously sampled and analyzed for those constituents are presented in Appendix B. In addition, Appendix B contains graphs of historical concentrations of individual constituents at monitoring wells where concentrations exceeded the applicable current MCP Method 1 GW-2 or GW-3 standards or UCLs during one or more of the prior baseline, interim, or OPCA monitoring program sampling events.

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

As discussed above, the spring 2006 groundwater sampling and analysis results from GMA 4 included higher PCB concentrations in filtered samples at six monitoring wells, although no PCBs were detected in EPA-analyzed samples from one of these locations. However, PCB concentrations at individual wells have not

exhibited any clear trends (either seasonal or from event to event) during the course of the monitoring program. Rather, fluctuations in PCB concentrations have generally been observed on a GMA-wide basis during certain monitoring events. For example, many wells show a peak in PCB concentrations during the 2003 sampling rounds, followed by a decrease in 2004. A review of groundwater elevation data shows that, on average, the water table was at lower than usual levels in spring 2003, while the fall 2003 levels were not significantly different than in other fall seasons. In addition, individual wells that had lower than normal water levels during those events also showed the greatest increases in PCB concentrations. In spring 2006, water levels were lower than the prior spring, as discussed in Section 2.3. Therefore, the PCB concentrations observed in spring 2006 may be related to a cyclical process involving water table fluctuations. This potential relationship will be further evaluated as additional data are obtained in future monitoring events.

Except for the VOCs and PCBs discussed above and in Section 4.3, all other detected constituents were at levels below their respective Method 1 GW-2 standards, Method 1 GW-3 standards, and/or UCLs for groundwater.

4.5 NAPL Monitoring Results

NAPL monitoring was conducted during all groundwater elevation monitoring activities conducted in spring 2006. NAPL was not observed in any of the GMA 4 monitoring wells monitored during this time period, including wells OPCA-MW-2 and OPCA-MW-3, which are located downgradient of the only known occurrence of NAPL at this GMA (i.e., at well H78B-8R, which was decommissioned as part of the OPCA construction). In addition to the semi-annual groundwater elevation/NAPL monitoring event, GE continued monthly groundwater elevation/NAPL monitoring at well GMA4-3 to verify that LNAPL has not migrated from GMA 3 to the western side of Plastics Avenue. The results of this monitoring are provided in Appendix E (along with all other monitoring data collected in spring 2006). 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 Modifications to Interim Groundwater Quality Monitoring Program

5.1 General

In spring 2006, GE conducted the fifth 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 interim monitoring program is designed to obtain additional data from locations where it is not yet clear whether the initial baseline groundwater quality results indicate that the particular well may require future monitoring in a long-term monitoring program. In addition, the OPCA monitoring program will be continued during the interim period with sampling and analysis being conducted on a semi-annual basis until closure of the OPCAs.

This section contains a description of GE's proposed and approved modifications to the interim groundwater monitoring program. These proposed modifications are of three general types. First, in response to the recent revisions to the MCP Method 1 standards and UCLs for groundwater which became effective on April 3, 2006, GE has re-evaluated the historical data from all baseline monitoring program wells and proposed modifications to the interim monitoring program to address changes in the numerical standards. Second, EPA required certain modifications to the interim monitoring program in its June 5, 2006 conditional approval letter, which are described below. Finally, GE has evaluated potential program modifications based on the results of the spring 2006 groundwater sampling event, and proposes to perform expedited sampling of certain wells as part of a laboratory assessment. The data from well UB-MW-5, where the fourth baseline sampling round was completed in spring 2006, was included in the evaluation conducted in relation to the new MCP Method 1 standards and UCLs for groundwater to determine whether additional sampling is warranted at this location. Based on the results of that evaluation discussed below, no further sampling is proposed at that well.

This section also addresses the schedule for future groundwater quality monitoring activities and reporting for GMA 4. Specifically, this section provides a schedule for the fall 2006 OPCA groundwater sampling event (including expedited sampling at selected locations), the upcoming fall 2007 interim monitoring event, and associated reporting activities. A summary of the proposed interim sampling program is provided in Table 9. Figure 5 illustrates the wells proposed for future interim monitoring activities.

5.2 Approved Modifications to Interim Groundwater Quality Monitoring Program

Several proposed modifications to the interim monitoring program that were described in the Spring 2005 and Fall 2005 Groundwater Quality Reports have already been implemented following verbal approval by EPA and confirmation in EPA's June 5, 2006 conditional approval letter related to those reports, including:

- elimination of groundwater sampling at wells H78B-13R and GMA4-5;
- utilization of MDEP's PAC protocol for all future cyanide analyses of GMA 4 groundwater; and
- initiation of quarterly groundwater elevation monitoring across the northern portion of GMA 4.

In addition to the approval of those previously-proposed program modifications, EPA required additional modifications to the interim monitoring program in its June 5, 2006 letter. Those modifications, which will be implemented during the next groundwater quality monitoring event, include:

- utilization of well OPCA-MW-1R in place of well OPCA-MW-1 for future groundwater quality monitoring activities (GE had previously proposed to utilize well GMA4-4);
- the addition of well GMA4-6 to the OPCA groundwater quality monitoring program; and
- the inclusion in GE's reports of EPA-generated groundwater elevation and/or analytical data from wells or piezometers on the Allendale School property (if such wells or piezometers are installed and utilized by EPA).

5.3 Proposed Modifications to Interim Monitoring Program

As noted above, in response to the new Method 1 numerical standards promulgated by MDEP for certain constituents, GE re-evaluated the results from the baseline monitoring program to determine if the new Performance Standards would alter the wells and/or parameters included in the interim monitoring program. GE has also reviewed the groundwater analytical data from the spring 2006 interim sampling event for results that would indicate the need to modify the interim monitoring program. The results of that data assessment and resulting proposed program modifications are discussed below.

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, if wells 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) they would have been retained for interim monitoring. In addition, selected wells/analyses were added to the interim monitoring program regardless of constituent concentrations relative to standards based on their location in areas of interest (e.g., wells located in the downgradient portion of the groundwater depression where chlorinated VOCs have been detected), 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 would not need to be included in a long-term monitoring program. As a result of those evaluations at the time GE proposed the interim monitoring program, GE concluded the average concentrations for all detected constituents within every well were below 50% of the applicable at the time GW-2 or GW-3 Performance Standard as appropriately applied to the well.

In light of the recent revisions to the MCP that became effective on April 3, 2006, GE has repeated this evaluation, comparing all baseline and interim groundwater quality data to the new MCP Method 1 Standards. Utilizing the same inclusion criteria utilized in fall 2003 at GMA 4 (and at the other GMAs once their two-year baseline monitoring periods were completed), GE's assessment did not identify any baseline wells that were previously excluded from the interim monitoring program based on historical concentrations of certain constituents that are now much closer to the revised MCP Method 1 standards such that interim monitoring is warranted to assess the need for inclusion of these locations in a long-term monitoring program. The average TCE concentration at well 78-4, which was utilized as a supplemental monitoring location during the baseline program, is slightly greater than the revised MCP Method 1 GW-2 standard (which was reduced from 0.3 ppm to 0.03 ppm). However, no interim sampling is proposed at this location since nearby wells H78B-16 and H78B-17R are already included in the interim program to monitor for TCE and other chlorinated constituents at the southern boundary of GMA 4. Furthermore, water quality downgradient of GMA 4 is being monitored in connection with the Commercial Street Site.

GE's assessment also included well UB-MW-5, which was sampled for the fourth time in spring 2006. The only constituent detected in that well greater than 50% of the MCP Method 1 GW-2 or GW-3 groundwater standards was cadmium (where the GW-3 standard was reduced from 0.01 ppm to 0.004 ppm). However, the calculated average concentration for this constituent is skewed by the inclusion of non-detect results (at 50% of

the analytical detection limit) in the averaging process, since the new standard is slightly lower than the current detection limit of 0.005 ppm for this constituent. Cadmium was actually detected in this well during only one sampling event, at an estimated concentration below the new GW-3 standard (0.0031 ppm in spring 2004). Therefore, cadmium does not appear to be a constituent of interest at this location and no interim sampling is proposed at well UB-MW-5.

5.4 Proposed Expedited Fall 2006 Sampling Activities

As noted above, well 78-6, which exhibited the greatest increase from prior sampling events according to GE's laboratory data, did not contain any detectable PCBs in a split sample analyzed by EPA. To further assess this discrepancy and to evaluate the performance of GE's laboratory, GE proposes to conduct an expedited round of sampling activities at seven selected locations in September 2006 and to submit samples for PCB analysis to separate laboratories. Upon review of the initial data from those locations, one laboratory will be chosen to complete the analyses on the remaining wells to be sampled during fall 2006.

Specifically, GE proposes to collect samples, promptly upon approval by EPA of this proposal, from wells 78-1, 78-6, GMA4-6, H78B-15, OPCA-MW-1R, OPCA-MW-4, and OPCA-MW-7. Each well will be sampled for the typical list of analytes required under the OPCA groundwater monitoring program (see Table 9), plus a duplicate set of filtered samples will be sent to a second laboratory for PCB analyses. GE would propose that the samples collected during the expedited sampling round would serve as the fall 2006 samples in those wells.

Following receipt of the initial data from the proposed expedited sampling (which, assuming prompt receipt of approval from EPA, GE proposes to perform in September 2006), GE will assess the PCB results and submit a letter to EPA summarizing its findings and recommended sampling strategy for the remainder of the fall 2006 sampling round at GMA 4.

6. Schedule of Future Activities

6.1 General

This section presents the schedule for future interim groundwater monitoring activities and reporting for GMA 4. This schedule assumes that the modifications to the interim groundwater quality monitoring program proposed in Section 5 will be implemented. Specifically, this section provides a schedule for the upcoming fall 2006 interim monitoring event and associated groundwater elevation monitoring and reporting activities.

6.2 Field Activities Schedule

If approved by EPA, GE will immediately initiate plans to conduct the proposed expedited sampling at seven monitoring wells proposed in Section 5.4 above, each of which are included in the OPCA groundwater quality monitoring network subject to semi-annual sampling. As discussed in Section 5.3.2, well OPCA-MW-1R will be sampled in place of well OPCA-MW-1, since that well was decommissioned following the performance of the spring 2006 groundwater sampling event. In addition, well GMA4-6 has been added to the OPCA monitoring network, as directed by EPA in its June 5, 2006 conditional approval letter.

GE anticipates that the remainder of the fall 2006 interim sampling event will take place in October-November 2006, depending on the results of the expedited sampling activities discussed above. Semi-annual sampling and analyses will be performed at the five OPCA groundwater monitoring program wells not included in the expedited sampling activities.

Analyses during each of the above sampling events will be performed according to the requirements of the OPCA groundwater monitoring program as it existed prior to initiation of the baseline monitoring program (with the previously-approved elimination of the collection of unfiltered samples for PCB, metals, and cyanide analysis, and the performance of PAC analysis for cyanide), except that groundwater samples collected in September 2006 will be submitted to two separate laboratories for PCB analysis.

Groundwater elevations from select wells will also be monitored on a quarterly basis, with future monitoring rounds conducted during the months of April, July, October, and January. The October 2006 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 2006.

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). However, in order to conduct the proposed expedited sampling activities as soon as possible, GE will attempt to coordinate those activities as soon as can be arranged after EPA approval of the proposed sampling plan.

6.3 Reporting Schedule

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

Following receipt of the analytical data from the proposed September 2006 activities, GE will assess the PCB results and submit a brief letter to EPA proposing its approach to the remainder of the fall 2006 sampling activities.

GE will submit the Fall 2006 Interim Groundwater Quality Report for GMA 4 by February 28, 2007, in accordance with the reporting schedule approved by EPA. That report will present the final, validated fall 2006 interim sampling results, including a summary of data from other groundwater-related activities conducted at GMA 4 between July 2006 and December 2006, a discussion of those results, and any proposals to further modify the interim monitoring program.

Tables

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TABLE 1
GROUNDWATER QUALITY MONITORING PROGRAM SUMMARY

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Well Usage	Sampling Schedule	Analyses	Comments
78-1	OPCA Groundwater Monitoring Program/ GW-3 Perimeter (Upgradient)	Semi-Annual	PCB/App. IX (1,2)	EPA Split Sample collected from this location.
78-6	OPCA Groundwater Monitoring Program/ GW-3 Perimeter (Upgradient)	Semi-Annual	PCB/App. IX (1,2)	EPA Split Sample collected from this location.
H78B-16	Supplemental Well for TCE Evaluation	Annual (3)	VOC	Data compared to both GW-2 and GW-3 standards to evaluate TCE and other VOC concentrations at downgradient edge of GMA.
H78B-17R	GW-3 Perimeter (Downgradient)	Annual (3)	VOC	Data compared to both GW-2 and GW-3 standards to evaluate TCE and other VOC concentrations at downgradient edge of GMA.
H78B-15	OPCA Groundwater Monitoring Program/ GW-2 Sentinel/GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	SVOC analyses were inadvertantly omitted from the spring 2006 sampling round.
OPCA-MW-1	OPCA Groundwater Monitoring Program/ GW-2 Sentinel/GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	Well was decommissioned and replaced by well OPCA-MW-1R after the spring 2006 sampling event.
OPCA-MW-2	OPCA Groundwater Monitoring Program/ GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
OPCA-MW-3	OPCA Groundwater Monitoring Program/ GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
OPCA-MW-4	OPCA Groundwater Monitoring Program/ GW-2 Sentinel/GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
OPCA-MW-5R	OPCA Groundwater Monitoring Program/ GW-2 Sentinel/GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
OPCA-MW-6	OPCA Groundwater Monitoring Program/ GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
OPCA-MW-7	OPCA Groundwater Monitoring Program/ GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
OPCA-MW-8	OPCA Groundwater Monitoring Program/ GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
UB-MW-5	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	Semi-Annual (4)	PCB/App. IX (1)	

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. In accordance with the interim monitoring program protocols, analyses for PCBs, metals, and cyanide performed on filtered samples only.
3. Sampling of these two wells is to be conducted on an annual basis, alternating between the spring and fall seasons each year, beginning with the spring 2004 event.
4. Well UB-MW-5 has been included pending collection of four rounds of baseline data over the two-year baseline monitoring period. The fourth data set was collected in spring 2006.

TABLE 2
GROUNDWATER ELEVATION MONITORING PROGRAM SUMMARY

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Schedule	Comments
60A	Semi-Annual	
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	
ES1-20	Quarterly	GMA 1 monitoring well along boundary of GMA 4
GMA4-1	Semi-Annual	
GMA4-2	Semi-Annual	
GMA4-3	Monthly	
GMA4-4	Quarterly	
GMA4-6	Quarterly	
H78B-13R	Semi-Annual	
H78B-15	Semi-Annual	
H78B-16	Semi-Annual	
H78B-17	Semi-Annual	
H78B-17R	Semi-Annual	
NY-3	Quarterly	
NY-4	Quarterly	
OPCA-MW-1	Quarterly	Replaced by well OPCA-MW-1R following spring 2006 sampling event.
OPCA-MW-2	Quarterly	
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	

NOTES:
1. The listed monitoring wells are monitored for groundwate elevation and NAPL presence at the frequencies shown above.

TABLE 3
MONITORING WELL CONSTRUCTION SUMMARY

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
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							
60A	536026.90	138126.20	2.00	1,002.62	1,001.71	NA	NA	NA	NA
60B-R	536021.40	138133.00	2.00	1,003.04	1,002.79	12.0	10.0	991.04	981.04
78-1	536143.95	136345.00	4.00	1,027.40	1,026.32	8.0	15.0	1,019.40	1,004.40
78-2	536412.95	136892.57	4.00	1,034.90	1,033.96	6.0	15.0	1,028.90	1,013.90
78-3	535127.67	137132.78	4.00	1,008.10	1,007.13	10.0	15.0	998.10	983.10
78-4	535014.77	136555.05	4.00	999.50	998.55	6.0	15.0	993.50	978.50
78-5R	534944.00	136219.20	2.00	997.96	997.36	4.0	15.0	993.96	978.96
78-6	535917.90	135919.00	4.00	1,012.33	1,012.00	3.0	15.0	1,009.33	994.33
ES1-20	535314.82	134924.90	0.75	997.82	1,001.56	6.0	10.0	991.82	981.82
GMA4-1	535134.40	136407.20	2.00	1,012.35	1,012.06	13.3	15.0	999.05	984.05
GMA4-2	536218.10	137516.40	2.00	1,006.22	1,006.06	9.59	10.0	996.63	986.63
GMA4-3	536289.60	137999.80	2.00	1,004.14	1,003.95	16.09	10.0	988.05	978.05
GMA4-4	535332.20	135149.40	2.00	996.60	999.64	5.0	15.0	991.60	976.60
GMA4-5	534524.90	136816.60	2.00	993.56	993.34	8.0	10.0	985.56	975.56
GMA4-6	535774.20	135658.40	2.00	1,009.62	1,009.12	3.0	10.0	1,006.62	996.62
H78B-13R	534740.20	135327.90	2.00	993.23	992.93	5.0	15.0	988.23	973.23
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-17	534997.30	136666.20	1.00	999.30	1,002.54	6.0	10.0	993.30	983.30
H78B-17R	534996.00	136659.20	4.00	999.20	1,000.31	14.3	9.3	984.90	975.60
NY-3	535508.40	135077.10	4.00	1,005.60	1,005.33	10.0	15.0	995.60	980.60
NY-4	535669.20	135360.10	4.00	1,024.80	1,024.24	17.0	15.0	1,007.80	992.80
OPCA-MW-1	535456.40	135582.10	2.00	1,017.10	1,019.60	20.1	10.0	997.00	987.00
OPCA-MW-2	535180.57	135917.60	2.00	1,017.30	1,019.58	13.0	10.0	1,004.30	994.30
OPCA-MW-3	535299.60	136188.90	2.00	1,015.30	1,014.83	18.0	10.0	997.30	987.30

TABLE 3
MONITORING WELL CONSTRUCTION SUMMARY

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
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							
OPCA-MW-4	535570.22	136222.55	2.00	1,019.20	1,018.67	12.0	10.0	1,007.20	997.20
OPCA-MW-5R	535630.68	136477.98	2.00	1,016.64	1,016.34	11.25	10.0	1,005.39	995.39
OPCA-MW-6	535449.44	136901.92	2.00	1,022.70	1,022.31	15.0	10.0	1,007.70	997.70
OPCA-MW-7	535673.73	136835.86	2.00	1,026.90	1,026.57	14.0	10.0	1,012.90	1,002.90
OPCA-MW-8	535989.21	136679.68	2.00	1,027.90	1,027.40	13.5	10.0	1,014.40	1,004.40
RF-14	536833.60	137753.70	4.00	1,001.90	1,001.59	7.0	15.0	994.90	979.90
RF-15	535638.20	137802.90	1.00	1,012.18	1,011.80	9.0	15.0	1,003.18	988.18
SCH-4	535975.46	136030.74	2.00	1,012.27	1,014.05	7.9	10.0	1,004.37	994.37
UB-MW-5	536364.60	137001.00	2.00	1,006.28	1,006.06	7.0	10.0	999.28	989.28
UB-MW-6	535541.60	137463.10	2.00	1,020.55	1,019.79	26.0	10.0	994.55	984.55

NOTES:

1. ft AMSL - Feet above mean sea level
2. ft BGS - Feet below ground surface
3. NA - Information not available.

TABLE 4
GROUNDWATER ELEVATION DATA - SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Date Measured	Groundwater Elevation [(1)]
60A	4/13/2006	987.13
60B-R	4/13/2006	988.21
78-1	4/13/2006	1,018.59
78-2	4/13/2006	1,027.75
78-3	4/13/2006	990.41
78-4	4/13/2006	986.05
78-5R	4/13/2006	992.55
78-6	4/13/2006	1,005.74
GMA4-1	4/13/2006	989.46
GMA4-2	4/13/2006	993.49
GMA4-3	4/13/2006	986.69
GMA4-4	4/12/2006	987.26
GMA4-6	4/13/2006	1,001.18
H78B-13R	4/12/2006	982.52
H78B-15	4/13/2006	997.54
H78B-16	4/13/2006	987.11
H78B-17	4/13/2006	985.94
H78B-17R	4/13/2006	986.88
NY-3	4/13/2006	990.12
NY-4	4/13/2006	1,015.84
OPCA-MW-1	4/12/2006	1,010.87
OPCA-MW-2	4/12/2006	1,001.78
OPCA-MW-3	4/13/2006	995.16
OPCA-MW-4	4/13/2006	1,006.10
OPCA-MW-5R	4/13/2006	1,005.19
OPCA-MW-6	4/13/2006	1,004.67
OPCA-MW-7	4/13/2006	1,008.82
OPCA-MW-8	4/13/2006	1,018.15
RF-14	4/13/2006	992.91
RF-15	4/13/2006	997.36
SCH-4	4/13/2006	1,006.94
UB-MW-5	4/13/2006	993.25
UB-MW-6	4/13/2006	999.00

NOTES:
1. The elevation shown is in feet above mean sea level.
2. The data shown above was utilized in the preparation of the spring 2006 groundwater elevation contour map for GMA 4. Other groundwater elevation data collected during spring 2006 is provided in Appendix E.

TABLE 5
FIELD PARAMETER MEASUREMENTS - SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Date Sampled	Temperature (deg. C)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)
78-1	4/19/2006	8.56	7.15	0.826	3	1.69	203.2
78-6	4/19/2006	8.80	8.35	2.211	13	100.90	-114.0
H78B-15	4/19/2006	10.91	11.47	2.795	1	9.73	-100.0
H78B-16	4/17/2006	11.68	7.54	2.209	15	1.10	145.2
H78B-17R	4/17/2006	9.60	6.67	1.399	3	1.23	202.1
OPCA-MW-1	4/18/2006	12.38	6.95	0.463	3	2.24	192.9
OPCA-MW-2	4/18/2006	9.41	7.78	0.901	4	8.85	77.5
OPCA-MW-3	4/18/2006	12.32	7.46	0.641	25	0.61	9.9
OPCA-MW-4	4/18/2006	9.04	7.51	1.390	9	5.12	191.4
OPCA-MW-5R	4/18/2006	9.08	8.26	1.240	3	1.80	77.6
OPCA-MW-6	4/17/2006	9.51	9.50	0.596	2	4.26	-50.4
OPCA-MW-7 (8)	4/18/2006	12.69	7.83	1.052	4	4.31	187.4
OPCA-MW-8	4/17/2006	9.60	7.10	0.877	6	6.03	147.4
UB-MW-5 (8)	4/17/2006	12.74	8.28	3.230	21	9.30	73.4

NOTES:

1. Well parameters were generally monitored continuously during purging by low-flow techniques. Final parameter readings are presented.
2. NTU - Nephelometric Turbidity Units
3. deg. C - Degrees Celsius
4. SU - Standard Units
5. mS/cm - Millisiemens per centimeter
6. mV - Millivolts
7. mg/L - Milligrams per liter (ppm)
8. Well became dry prior to collection of groundwater samples for all analyses. Remaining groundwater samples were collected following recharge of well. The listed field parameter data was collected during the initial purge round.

TABLE 6
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-2 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

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 04/19/06	H78B-16 04/17/06	H78B-17R 04/17/06	OPCA-MW-1 04/18/06	OPCA-MW-4 04/18/06	OPCA-MW-5R 04/18/06	UB-MW-5 4/17-4/18/2006
Volatile Organics								
1,1-Dichloroethene	0.08	ND(0.0010)	ND(0.0010)	0.00054 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	0.2	ND(0.0050)	0.0022 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0021 J	ND(0.0050)
Chloroform	0.4	ND(0.0050)	ND(0.0050)	0.070	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	10	ND(0.0050)	0.00082 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	0.05	ND(0.0020)	ND(0.0020)	0.0018 J	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)
trans-1,2-Dichloroethene	0.09	ND(0.0050)	ND(0.0050)	0.0057	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	0.03	ND(0.0050)	0.022	0.16	ND(0.0050) J [ND(0.0050)]	0.0016 J	ND(0.0050)	0.00097 J
Vinyl Chloride	0.002	ND(0.0020)	0.00098 J	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	0.0071	ND(0.0020)
Total VOCs	5	ND(0.20)	0.026 J	0.24	ND(0.20) [ND(0.20)]	0.0016 J	0.0092 J	0.00097 J
Semivolatile Organics								
None Detected	--	NA	NA	NA	--	--	--	--

Notes:

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

Data Qualifiers:

Organics (volatiles, semivolatiles)

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

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

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 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06
Volatile Organics					
1,1-Dichloroethene	30	ND(0.0010) {ND(.0001)}	ND(0.0050) {ND(0.001)}	ND(0.0010)	ND(0.0010)
Chlorobenzene	1	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.0022 J
Chloroform	10	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)
Methylene Chloride	50	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.00082 J
Tetrachloroethene	30	ND(0.0020) J {ND(0.001)}	ND(0.0020) J {ND(0.001)}	ND(0.0020)	ND(0.0020)
trans-1,2-Dichloroethene	50	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)
Trichloroethene	5	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.022
Vinyl Chloride	50	ND(0.0020) J {ND(0.001)}	ND(0.0020) {ND(0.001)}	ND(0.0020)	0.00098 J
PCBs-Unfiltered					
Aroclor-1254	Not Applicable	NA	NA	NA	NA
Total PCBs	Not Applicable	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.00024 {0.0000066J}	0.00079 {ND(0.00000013)}	0.00033	NA
Total PCBs	0.0003	0.00024 {0.000017J}	0.00079 {ND(0.00000013)}	0.00033	NA
Semivolatile Organics					
None Detected	--	--	--	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000047)	ND(0.0000000049)	ND(0.0000000068)	NA
TCDFs (total)	Not Listed	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000080)	ND(0.0000000063)	ND(0.0000000074)	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000078)	ND(0.0000000062)	ND(0.0000000072)	NA
PeCDFs (total)	Not Listed	ND(0.0000000079)	ND(0.0000000063)	ND(0.0000000073)	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000011)	ND(0.000000013)	ND(0.000000012)	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000099)	ND(0.000000011)	ND(0.000000010)	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000013)	ND(0.000000015)	ND(0.000000014)	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000011)	ND(0.000000013)	ND(0.000000011)	NA
HxCDFs (total)	Not Listed	ND(0.000000011)	ND(0.000000013)	ND(0.000000012)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000066)	ND(0.0000000061)	ND(0.0000000082)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000085)	ND(0.0000000079)	ND(0.000000011)	NA
HpCDFs (total)	Not Listed	ND(0.000000016)	ND(0.000000015)	ND(0.000000015)	NA
OCDF	Not Listed	ND(0.000000020)	ND(0.000000022)	ND(0.000000024)	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000056)	ND(0.0000000059)	ND(0.0000000056)	NA
TCDDs (total)	Not Listed	ND(0.000000012)	ND(0.000000013)	ND(0.000000012)	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000012)	ND(0.000000010)	ND(0.000000012)	NA
PeCDDs (total)	Not Listed	ND(0.000000012)	ND(0.000000010)	ND(0.000000012)	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000079)	ND(0.0000000092)	ND(0.0000000092)	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000073)	ND(0.0000000085)	ND(0.0000000084)	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000080)	ND(0.0000000093)	ND(0.0000000093)	NA
HxCDDs (total)	Not Listed	ND(0.000000025)	ND(0.000000024)	ND(0.000000027)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000096)	ND(0.000000012)	0.000000034 J	NA
HpCDDs (total)	Not Listed	ND(0.000000026)	ND(0.000000026)	0.000000034 J	NA
OCDD	Not Listed	ND(0.000000033)	ND(0.000000030)	ND(0.000000030)	NA
Total TEQs (WHO TEFs)	0.0000001	0.000000015	0.000000014	0.000000015	NA
Inorganics-Unfiltered					
Arsenic	Not Applicable	NA	NA	NA	NA
Barium	Not Applicable	NA	NA	NA	NA
Cadmium	Not Applicable	NA	NA	NA	NA
Chromium	Not Applicable	NA	NA	NA	NA
Cobalt	Not Applicable	NA	NA	NA	NA
Copper	Not Applicable	NA	NA	NA	NA
Cyanide-MADEP (PAC)	Not Applicable	NA	NA	NA	NA
Mercury	Not Applicable	NA	NA	NA	NA
Nickel	Not Applicable	NA	NA	NA	NA
Selenium	Not Applicable	NA	NA	NA	NA
Sulfide	Not Applicable	5.60 B	8.80	7.20 B	NA
Vanadium	Not Applicable	NA	NA	NA	NA
Zinc	Not Applicable	NA	NA	NA	NA

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
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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:	Method 1 GW-3 Standards	78-1 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06
Inorganics-Filtered					
Antimony	8	ND(0.0600) {ND(0.0035)}	ND(0.0600) {ND(0.0035)}	ND(0.0600)	NA
Arsenic	0.9	ND(0.0100) {ND(0.0033)}	ND(0.0100) {0.0102}	ND(0.0100)	NA
Barium	50	0.0330 B {0.0293}	0.0620 B {0.0765}	0.0690 B	NA
Beryllium	0.05	ND(0.00100) {0.00021}	ND(0.00100) {ND(0.0002)}	ND(0.00100)	NA
Cadmium	0.004	ND(0.00500) {ND(0.0008)}	ND(0.00500) {ND(0.0008)}	ND(0.00500)	NA
Chromium	0.3	0.000710 B {ND(0.0023)}	ND(0.0100) {ND(0.0023)}	0.000790 B	NA
Cobalt	Not Listed	ND(0.0500) {ND(0.0029)}	0.00220 B {ND(0.0029)}	ND(0.0500)	NA
Copper	Not Listed	0.00220 B {ND(0.0027)}	ND(0.0250) {ND(0.0027)}	0.00210 B	NA
Cyanide-MADEP (PAC)	0.03	ND(0.0100) {ND(0.01)}	0.00230 B {ND(0.01)}	0.00180 B	NA
Lead	0.01	ND(0.00500) {ND(0.0024)}	ND(0.00500) {ND(0.0024)}	ND(0.00500)	NA
Mercury	0.02	ND(0.000200) {ND(0.0001)}	ND(0.000200) {ND(0.0001}	0.0000200 B	NA
Nickel	0.2	ND(0.0400) {ND(0.0033)}	ND(0.0400) {ND(0.0033)}	ND(0.0400)	NA
Selenium	0.1	ND(0.00500) {ND(0.0047)}	ND(0.00500) {ND(0.0047)}	ND(0.00500)	NA
Silver	0.007	ND(0.00500) {0.0\0034J}	ND(0.00500) {0.0034 J}	ND(0.00500)	NA
Thallium	3	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	NA
Tin	Not Listed	ND(0.0300) {0.005}	ND(0.0300) {ND(0.004)}	ND(0.0300)	NA
Vanadium	4	ND(0.0500) {ND(0.0029)}	ND(0.0500) {ND(0.0029)}	ND(0.0500)	NA
Zinc	0.9	0.00310 B {0.0076}	ND(0.0200) {0.0067}	ND(0.0200)	NA

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
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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:	Method 1 GW-3 Standards	H78B-17R 04/17/06	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06
Volatile Organics				
1,1-Dichloroethene	30	0.00054 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chlorobenzene	1	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.0028 J
Chloroform	10	0.070	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methylene Chloride	50	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Tetrachloroethene	30	0.0018 J	ND(0.0020) [ND(0.0020)]	ND(0.0020)
trans-1,2-Dichloroethene	50	0.0057	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene	5	0.16	ND(0.0050) J [ND(0.0050)]	ND(0.0050)
Vinyl Chloride	50	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	NA	NA	NA
Total PCBs	Not Applicable	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	NA	0.0010 [0.00088]	ND(0.000075) J
Total PCBs	0.0003	NA	0.0010 [0.00088]	ND(0.000075) J
Semivolatile Organics				
None Detected	--	NA	--	--
Furans				
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000064) [ND(0.0000000053)]	ND(0.0000000071)
TCDFs (total)	Not Listed	NA	ND(0.000000016) [ND(0.000000010)]	ND(0.000000014)
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000089)
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000087)
PeCDFs (total)	Not Listed	NA	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000088)
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000095) [ND(0.0000000087)]	ND(0.0000000099)
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.000000013) [ND(0.000000012)]	ND(0.000000013)
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)
HxCDFs (total)	Not Listed	NA	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000066)
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000067) [ND(0.0000000064)]	ND(0.0000000085)
HpCDFs (total)	Not Listed	NA	ND(0.000000014) [ND(0.000000016)]	ND(0.000000023)
OCDF	Not Listed	NA	ND(0.000000022) [ND(0.000000020)]	ND(0.000000035)
Dioxins				
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000064) [ND(0.0000000053)]	ND(0.0000000051)
TCDDs (total)	Not Listed	NA	ND(0.000000018) [ND(0.000000011)]	ND(0.000000016)
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000086) [ND(0.0000000083)]	ND(0.0000000072)
PeCDDs (total)	Not Listed	NA	ND(0.0000000086) [ND(0.0000000083)]	ND(0.000000016)
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000088) [ND(0.0000000069)]	ND(0.0000000077)
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000081) [ND(0.0000000064)]	ND(0.0000000071)
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000089) [ND(0.0000000070)]	ND(0.0000000078)
HxCDDs (total)	Not Listed	NA	ND(0.000000020) [ND(0.000000025)]	ND(0.000000023)
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.000000013) [ND(0.000000010)]	ND(0.000000020)
HpCDDs (total)	Not Listed	NA	ND(0.000000023) [ND(0.000000027)]	ND(0.000000043)
OCDD	Not Listed	NA	ND(0.000000032) [ND(0.000000035)]	ND(0.000000046)
Total TEQs (WHO TEFs)	0.0000001	NA	0.000000013 [0.000000012]	0.000000012
Inorganics-Unfiltered				
Arsenic	Not Applicable	NA	NA	NA
Barium	Not Applicable	NA	NA	NA
Cadmium	Not Applicable	NA	NA	NA
Chromium	Not Applicable	NA	NA	NA
Cobalt	Not Applicable	NA	NA	NA
Copper	Not Applicable	NA	NA	NA
Cyanide-MADEP (PAC)	Not Applicable	NA	NA	NA
Mercury	Not Applicable	NA	NA	NA
Nickel	Not Applicable	NA	NA	NA
Selenium	Not Applicable	NA	NA	NA
Sulfide	Not Applicable	NA	6.40 B [4.80 B]	4.80 B
Vanadium	Not Applicable	NA	NA	NA
Zinc	Not Applicable	NA	NA	NA

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
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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:	Method 1 GW-3 Standards	H78B-17R 04/17/06	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06
Inorganics-Filtered				
Antimony	8	NA	ND(0.0600) [ND(0.0600)]	ND(0.0600)
Arsenic	0.9	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Barium	50	NA	0.0210 B [0.0200 B]	0.0180 B
Beryllium	0.05	NA	ND(0.00100) [ND(0.00100)]	ND(0.00100)
Cadmium	0.004	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Chromium	0.3	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Cobalt	Not Listed	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Copper	Not Listed	NA	ND(0.0250) [ND(0.0250)]	ND(0.0250)
Cyanide-MADEP (PAC)	0.03	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Lead	0.01	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Mercury	0.02	NA	ND(0.000200) [ND(0.000200)]	ND(0.000200)
Nickel	0.2	NA	ND(0.0400) [ND(0.0400)]	ND(0.0400)
Selenium	0.1	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Silver	0.007	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Thallium	3	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Tin	Not Listed	NA	ND(0.0300) [ND(0.0300)]	ND(0.0300)
Vanadium	4	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc	0.9	NA	ND(0.0200) J [ND(0.0200) J]	ND(0.0200) J

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
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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:	Method 1 GW-3 Standards	OPCA-MW-3 04/18/06	OPCA-MW-4 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06
Volatile Organics					
1,1-Dichloroethene	30	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	1	ND(0.0050)	ND(0.0050)	0.0021 J	ND(0.0050)
Chloroform	10	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	50	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	30	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
trans-1,2-Dichloroethene	50	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	5	ND(0.0050)	0.0016 J	ND(0.0050)	ND(0.0050)
Vinyl Chloride	50	ND(0.0020)	ND(0.0020)	0.0071	ND(0.0020)
PCBs-Unfiltered					
Aroclor-1254	Not Applicable	NA	NA	NA	NA
Total PCBs	Not Applicable	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.00018	0.00031	0.00026	ND(0.00016)
Total PCBs	0.0003	0.00018	0.00031	0.00026	ND(0.00016)
Semivolatile Organics					
None Detected	--	--	--	--	--
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000060)	ND(0.0000000053)	ND(0.0000000041)	ND(0.0000000055)
TCDFs (total)	Not Listed	ND(0.000000010)	ND(0.000000014)	ND(0.000000012)	ND(0.000000014)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000090)	ND(0.0000000072)	ND(0.0000000059)	ND(0.0000000056)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000088)	ND(0.0000000070)	ND(0.0000000057)	ND(0.0000000055)
PeCDFs (total)	Not Listed	ND(0.0000000089)	0.000000033 J	ND(0.0000000058)	ND(0.0000000055)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000013)	ND(0.0000000095)	ND(0.000000010)	ND(0.000000010)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.000000012)	ND(0.0000000084)	ND(0.0000000092)	ND(0.0000000088)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000016)	ND(0.000000011)	ND(0.000000012)	ND(0.000000012)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000013)	ND(0.0000000095)	ND(0.000000010)	ND(0.000000010)
HxCDFs (total)	Not Listed	ND(0.000000013)	ND(0.0000000096)	ND(0.000000010)	ND(0.000000010)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000073)	ND(0.000000014)	ND(0.000000012)	ND(0.000000013)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000095)	ND(0.000000018)	ND(0.0000000066)	ND(0.000000017)
HpCDFs (total)	Not Listed	ND(0.000000015)	ND(0.000000012)	ND(0.000000014)	ND(0.000000015)
OCDF	Not Listed	ND(0.000000018)	ND(0.000000020)	ND(0.000000017)	ND(0.000000029)
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000062)	ND(0.0000000047)	ND(0.0000000049)	ND(0.0000000056)
TCDDs (total)	Not Listed	ND(0.000000013)	ND(0.000000014)	ND(0.000000013)	ND(0.000000016)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000055)	ND(0.000000010)	ND(0.0000000094)	ND(0.0000000092)
PeCDDs (total)	Not Listed	ND(0.000000014)	ND(0.000000010)	ND(0.0000000094)	ND(0.0000000092)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000082)	ND(0.0000000079)	ND(0.0000000063)	ND(0.000000013)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000076)	ND(0.0000000073)	ND(0.0000000058)	ND(0.000000012)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000083)	ND(0.0000000080)	ND(0.0000000063)	ND(0.000000013)
HxCDDs (total)	Not Listed	ND(0.000000022)	ND(0.000000021)	ND(0.000000017)	ND(0.000000022)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000016)	ND(0.000000012)	ND(0.000000011)	ND(0.000000012)
HpCDDs (total)	Not Listed	ND(0.000000024)	ND(0.000000022)	ND(0.000000022)	ND(0.000000028)
OCDD	Not Listed	ND(0.000000025)	ND(0.000000031)	ND(0.000000029)	ND(0.000000032)
Total TEQs (WHO TEFs)	0.0000001	0.000000013	0.000000013	0.000000012	0.000000013
Inorganics-Unfiltered					
Arsenic	Not Applicable	NA	NA	NA	NA
Barium	Not Applicable	NA	NA	NA	NA
Cadmium	Not Applicable	NA	NA	NA	NA
Chromium	Not Applicable	NA	NA	NA	NA
Cobalt	Not Applicable	NA	NA	NA	NA
Copper	Not Applicable	NA	NA	NA	NA
Cyanide-MADEP (PAC)	Not Applicable	NA	NA	NA	NA
Mercury	Not Applicable	NA	NA	NA	NA
Nickel	Not Applicable	NA	NA	NA	NA
Selenium	Not Applicable	NA	NA	NA	NA
Sulfide	Not Applicable	ND(5.00)	4.00 B	2.40 B	4.80 B
Vanadium	Not Applicable	NA	NA	NA	NA
Zinc	Not Applicable	NA	NA	NA	NA

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

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 04/18/06	OPCA-MW-4 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06
Inorganics-Filtered					
Antimony	8	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	0.9	ND(0.0100)	ND(0.0100)	ND(0.0100)	0.00450 B
Barium	50	0.0380 B	0.0290 B	0.0990 B	0.0140 B
Beryllium	0.05	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.004	ND(0.00500)	ND(0.00500)	0.000870 B	ND(0.00500)
Chromium	0.3	ND(0.0100)	ND(0.0100)	0.000690 B	ND(0.0100)
Cobalt	Not Listed	0.00440 B	ND(0.0500)	0.00140 B	ND(0.0500)
Copper	Not Listed	0.00140 B	ND(0.0250)	0.0190 B	ND(0.0250)
Cyanide-MADEP (PAC)	0.03	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	0.01	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Mercury	0.02	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.2	0.00200 B	ND(0.0400)	0.00270 B	ND(0.0400)
Selenium	0.1	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	0.007	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	3	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Tin	Not Listed	ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium	4	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.9	ND(0.0200) J	0.0260 J	0.00360 J	ND(0.0200) J

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	OPCA-MW-7 04/18/06	OPCA-MW-8 04/17/06	UB-MW-5 4/17-4/18/2006
Volatile Organics				
1,1-Dichloroethene	30	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	1	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	10	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	50	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	30	ND(0.0020)	ND(0.0020)	ND(0.0020)
trans-1,2-Dichloroethene	50	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	5	ND(0.0050)	ND(0.0050)	0.00097 J
Vinyl Chloride	50	ND(0.0020)	ND(0.0020)	ND(0.0020)
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	NA	NA	ND(0.00011)
Total PCBs	Not Applicable	NA	NA	ND(0.00011)
PCBs-Filtered				
Aroclor-1254	Not Listed	0.00033	ND(0.00020)	ND(0.000065)
Total PCBs	0.0003	0.00033	ND(0.00020)	ND(0.000065)
Semivolatile Organics				
None Detected	--	--	--	--
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000050)	ND(0.0000000034)	ND(0.0000000064)
TCDFs (total)	Not Listed	ND(0.000000011)	ND(0.000000011)	ND(0.000000017)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000080)	ND(0.0000000060)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000078)	ND(0.0000000059)
PeCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000079)	ND(0.0000000059)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.0000000056)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000089)	ND(0.0000000096)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000012)	ND(0.000000013)	ND(0.0000000067)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.0000000056)
HxCDFs (total)	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.000000016)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000061)	ND(0.0000000075)	ND(0.0000000061)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000079)	ND(0.0000000097)	ND(0.0000000079)
HpCDFs (total)	Not Listed	ND(0.000000015)	ND(0.000000024)	ND(0.000000021)
OCDF	Not Listed	ND(0.000000025)	ND(0.000000024)	ND(0.000000017)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000056)	ND(0.0000000062)	ND(0.0000000044)
TCDDs (total)	Not Listed	ND(0.000000014)	ND(0.000000013)	ND(0.000000019)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000099)	ND(0.000000013)	ND(0.0000000096)
PeCDDs (total)	Not Listed	ND(0.0000000099)	ND(0.000000013)	ND(0.0000000096)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000082)	ND(0.0000000090)	ND(0.0000000098)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000071)	ND(0.0000000083)	ND(0.0000000091)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000078)	ND(0.0000000091)	ND(0.0000000099)
HxCDDs (total)	Not Listed	ND(0.000000028)	ND(0.000000023)	ND(0.000000033)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000012)	ND(0.000000012)	ND(0.000000014)
HpCDDs (total)	Not Listed	ND(0.000000027)	ND(0.000000036)	ND(0.000000039)
OCDD	Not Listed	ND(0.000000031)	ND(0.000000037)	ND(0.000000037)
Total TEQs (WHO TEFs)	0.0000001	0.000000013	0.000000016	0.000000012
Inorganics-Unfiltered				
Arsenic	Not Applicable	NA	NA	ND(0.0100)
Barium	Not Applicable	NA	NA	0.0370 B
Cadmium	Not Applicable	NA	NA	ND(0.00500)
Chromium	Not Applicable	NA	NA	0.00210 B
Cobalt	Not Applicable	NA	NA	0.000870 B
Copper	Not Applicable	NA	NA	0.00300 B
Cyanide-MADEP (PAC)	Not Applicable	NA	NA	ND(0.0100)
Mercury	Not Applicable	NA	NA	ND(0.000200)
Nickel	Not Applicable	NA	NA	0.00360 B
Selenium	Not Applicable	NA	NA	ND(0.00500) J
Sulfide	Not Applicable	5.60 B	6.40	2.40 B
Vanadium	Not Applicable	NA	NA	0.00230 B
Zinc	Not Applicable	NA	NA	0.0860 J

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	OPCA-MW-7 04/18/06	OPCA-MW-8 04/17/06	UB-MW-5 4/17-4/18/2006
Inorganics-Filtered				
Antimony	8	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	0.9	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	50	0.0170 B	0.0170 B	0.0330 B
Beryllium	0.05	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.004	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	0.3	0.000950 B	0.00230 B	0.00130 B
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	Not Listed	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide-MADEP (PAC)	0.03	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	0.01	ND(0.00500)	ND(0.00500)	ND(0.00500)
Mercury	0.02	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.2	ND(0.0400)	ND(0.0400)	0.00290 B
Selenium	0.1	0.00420 J	0.00430 J	ND(0.00500)
Silver	0.007	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	3	ND(0.0100)	ND(0.0100)	ND(0.0100)
Tin	Not Listed	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium	4	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.9	ND(0.0200) J	0.0100 J	0.0380 J

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in 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
6. Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
7. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
8. Field duplicate sample results are presented in brackets.
9. Shading indicates that value exceeds the Method 1 GW-3 Standards.
10. {} Indicates EPA Split data.

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 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	78-1 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06
Volatile Organics					
1,1-Dichloroethene	100	ND(0.0010) {ND(0.01)}	ND(0.0050) {ND(0.001)}	ND(0.0010)	ND(0.0010)
Chlorobenzene	10	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.0022 J
Chloroform	100	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)
Methylene Chloride	100	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.00082 J
Tetrachloroethene	100	ND(0.0020) J {ND(0.001)}	ND(0.0020) J {ND(0.001)}	ND(0.0020)	ND(0.0020)
trans-1,2-Dichloroethene	100	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)
Trichloroethene	50	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.022
Vinyl Chloride	100	ND(0.0020) J {ND(0.001)}	ND(0.0020) {ND(0.001)}	ND(0.0020)	0.00098 J
Xylenes (total)	100	ND(0.010) {ND(0.001)}	ND(0.010) {ND(0.001)}	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	NA	NA	NA	NA
Total PCBs	0.005	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.00024 {0.000066J}	0.00079 {ND(0.000013)}	0.00033	NA
Total PCBs	0.005	0.00024 {0.00017J}	0.00079 {ND(0.000013)}	0.00033	NA
Semivolatile Organics					
None Detected	--	--	--	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000047)	ND(0.0000000049)	ND(0.0000000068)	NA
TCDFs (total)	Not Listed	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000080)	ND(0.0000000063)	ND(0.0000000074)	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000078)	ND(0.0000000062)	ND(0.0000000072)	NA
PeCDFs (total)	Not Listed	ND(0.0000000079)	ND(0.0000000063)	ND(0.0000000073)	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000011)	ND(0.000000013)	ND(0.000000012)	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000099)	ND(0.000000011)	ND(0.000000010)	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000013)	ND(0.000000015)	ND(0.000000014)	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000011)	ND(0.000000013)	ND(0.000000011)	NA
HxCDFs (total)	Not Listed	ND(0.000000011)	ND(0.000000013)	ND(0.000000012)	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000066)	ND(0.0000000061)	ND(0.0000000082)	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000085)	ND(0.0000000079)	ND(0.000000011)	NA
HpCDFs (total)	Not Listed	ND(0.000000016)	ND(0.000000015)	ND(0.000000015)	NA
OCDF	Not Listed	ND(0.000000020)	ND(0.000000022)	ND(0.000000024)	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000056)	ND(0.0000000059)	ND(0.0000000056)	NA
TCDDs (total)	Not Listed	ND(0.000000012)	ND(0.000000013)	ND(0.000000012)	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.000000012)	ND(0.000000010)	ND(0.000000012)	NA
PeCDDs (total)	Not Listed	ND(0.000000012)	ND(0.000000010)	ND(0.000000012)	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000079)	ND(0.0000000092)	ND(0.0000000092)	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000073)	ND(0.0000000085)	ND(0.0000000084)	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000080)	ND(0.0000000093)	ND(0.0000000093)	NA
HxCDDs (total)	Not Listed	ND(0.000000025)	ND(0.000000024)	ND(0.000000027)	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000096)	ND(0.000000012)	0.000000034 J	NA
HpCDDs (total)	Not Listed	ND(0.000000026)	ND(0.000000026)	0.000000034 J	NA
OCDD	Not Listed	ND(0.000000033)	ND(0.000000030)	ND(0.000000030)	NA
Total TEQs (WHO TEFs)	0.000001	0.000000015	0.000000014	0.000000015	NA
Inorganics-Unfiltered					
Arsenic	9	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA
Cadmium	0.05	NA	NA	NA	NA
Chromium	3	NA	NA	NA	NA
Cobalt	Not Listed	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Cyanide-MADEP (PAC)	2	NA	NA	NA	NA
Mercury	0.2	NA	NA	NA	NA
Nickel	2	NA	NA	NA	NA
Selenium	1	NA	NA	NA	NA
Sulfide	Not Listed	5.60 B	8.80	7.20 B	NA
Vanadium	40	NA	NA	NA	NA
Zinc	50	NA	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	78-1 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06
Inorganics-Filtered					
Arsenic	9	ND(0.0100) {ND(0.033)}	ND(0.0100) {0.0102}	ND(0.0100)	NA
Barium	100	0.0330 B {0.0293}	0.0620 B {0.0765}	0.0690 B	NA
Cadmium	0.05	ND(0.00500) {ND(0.0008)}	ND(0.00500) {ND(0.0008)}	ND(0.00500)	NA
Chromium	3	0.000710 B {ND(0.0023)}	ND(0.0100) {ND(0.0023)}	0.000790 B	NA
Cobalt	Not Listed	ND(0.0500) {ND(0.029)}	0.00220 B {ND(0.0029)}	ND(0.0500)	NA
Copper	Not Listed	0.00220 B {ND(0.027)}	ND(0.0250) {ND(0.0027)}	0.00210 B	NA
Cyanide-MADEP (PAC)	2	ND(0.0100) {ND(0.01)}	0.00230 B {ND(0.01)}	0.00180 B	NA
Mercury	0.2	ND(0.000200) {ND(0.0001)}	ND(0.000200) {ND(0.0001}	0.0000200 B	NA
Nickel	2	ND(0.0400) {ND(0.0033)}	ND(0.0400) {ND(0.0033)}	ND(0.0400)	NA
Selenium	1	ND(0.00500) {ND(0.0047)}	ND(0.00500) {ND(0.0047)}	ND(0.00500)	NA
Vanadium	40	ND(0.0500) {ND(0.0029)}	ND(0.0500) {ND(0.0029)}	ND(0.0500)	NA
Zinc	50	0.00310 B {0.0076}	ND(0.0200) {0.0067}	ND(0.0200)	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	H78B-17R 04/17/06	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06
Volatile Organics				
1,1-Dichloroethene	100	0.00054 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)
Chlorobenzene	10	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.0028 J
Chloroform	100	0.070	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methylene Chloride	100	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Tetrachloroethene	100	0.0018 J	ND(0.0020) [ND(0.0020)]	ND(0.0020)
trans-1,2-Dichloroethene	100	0.0057	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene	50	0.16	ND(0.0050) J [ND(0.0050)]	ND(0.0050)
Vinyl Chloride	100	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)
Xylenes (total)	100	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254	Not Listed	NA	NA	NA
Total PCBs	0.005	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	NA	0.0010 [0.00088]	ND(0.000075) J
Total PCBs	0.005	NA	0.0010 [0.00088]	ND(0.000075) J
Semivolatile Organics				
None Detected	--	NA	--	--
Furans				
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000064) [ND(0.0000000053)]	ND(0.0000000071)
TCDFs (total)	Not Listed	NA	ND(0.000000016) [ND(0.000000010)]	ND(0.000000014)
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000089)
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000087)
PeCDFs (total)	Not Listed	NA	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000088)
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000095) [ND(0.0000000087)]	ND(0.0000000099)
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.000000013) [ND(0.000000012)]	ND(0.000000013)
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)
HxCDFs (total)	Not Listed	NA	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000066)
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000067) [ND(0.0000000064)]	ND(0.0000000085)
HpCDFs (total)	Not Listed	NA	ND(0.000000014) [ND(0.000000016)]	ND(0.000000023)
OCDF	Not Listed	NA	ND(0.000000022) [ND(0.000000020)]	ND(0.000000035)
Dioxins				
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000064) [ND(0.0000000053)]	ND(0.0000000051)
TCDDs (total)	Not Listed	NA	ND(0.000000018) [ND(0.000000011)]	ND(0.000000016)
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000086) [ND(0.0000000083)]	ND(0.0000000072)
PeCDDs (total)	Not Listed	NA	ND(0.0000000086) [ND(0.0000000083)]	ND(0.000000016)
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000088) [ND(0.0000000069)]	ND(0.0000000077)
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000081) [ND(0.0000000064)]	ND(0.0000000071)
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000089) [ND(0.0000000070)]	ND(0.0000000078)
HxCDDs (total)	Not Listed	NA	ND(0.000000020) [ND(0.000000025)]	ND(0.000000023)
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.000000013) [ND(0.000000010)]	ND(0.000000020)
HpCDDs (total)	Not Listed	NA	ND(0.000000023) [ND(0.000000027)]	ND(0.000000043)
OCDD	Not Listed	NA	ND(0.000000032) [ND(0.000000035)]	ND(0.000000046)
Total TEQs (WHO TEFs)	0.000001	NA	0.000000013 [0.000000012]	0.000000012
Inorganics-Unfiltered				
Arsenic	9	NA	NA	NA
Barium	100	NA	NA	NA
Cadmium	0.05	NA	NA	NA
Chromium	3	NA	NA	NA
Cobalt	Not Listed	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Cyanide-MADEP (PAC)	2	NA	NA	NA
Mercury	0.2	NA	NA	NA
Nickel	2	NA	NA	NA
Selenium	1	NA	NA	NA
Sulfide	Not Listed	NA	6.40 B [4.80 B]	4.80 B
Vanadium	40	NA	NA	NA
Zinc	50	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	H78B-17R 04/17/06	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06
Inorganics-Filtered				
Arsenic	9	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Barium	100	NA	0.0210 B [0.0200 B]	0.0180 B
Cadmium	0.05	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Chromium	3	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Cobalt	Not Listed	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Copper	Not Listed	NA	ND(0.0250) [ND(0.0250)]	ND(0.0250)
Cyanide-MADEP (PAC)	2	NA	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Mercury	0.2	NA	ND(0.000200) [ND(0.000200)]	ND(0.000200)
Nickel	2	NA	ND(0.0400) [ND(0.0400)]	ND(0.0400)
Selenium	1	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Vanadium	40	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc	50	NA	ND(0.0200) J [ND(0.0200) J]	ND(0.0200) J

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	OPCA-MW-3 04/18/06	OPCA-MW-4 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06
Volatile Organics					
1,1-Dichloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	10	ND(0.0050)	ND(0.0050)	0.0021 J	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	100	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
trans-1,2-Dichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	50	ND(0.0050)	0.0016 J	ND(0.0050)	ND(0.0050)
Vinyl Chloride	100	ND(0.0020)	ND(0.0020)	0.0071	ND(0.0020)
Xylenes (total)	100	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	NA	NA	NA	NA
Total PCBs	0.005	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.00018	0.00031	0.00026	ND(0.00016)
Total PCBs	0.005	0.00018	0.00031	0.00026	ND(0.00016)
Semivolatile Organics					
None Detected	--	--	--	--	--
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000060)	ND(0.0000000053)	ND(0.0000000041)	ND(0.0000000055)
TCDFs (total)	Not Listed	ND(0.000000010)	ND(0.000000014)	ND(0.000000012)	ND(0.000000014)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000090)	ND(0.0000000072)	ND(0.0000000059)	ND(0.0000000056)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000088)	ND(0.0000000070)	ND(0.0000000057)	ND(0.0000000055)
PeCDFs (total)	Not Listed	ND(0.0000000089)	0.000000033 J	ND(0.0000000058)	ND(0.0000000055)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000013)	ND(0.0000000095)	ND(0.000000010)	ND(0.000000010)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.000000012)	ND(0.0000000084)	ND(0.0000000092)	ND(0.0000000088)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000016)	ND(0.000000011)	ND(0.000000012)	ND(0.000000012)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000013)	ND(0.0000000095)	ND(0.000000010)	ND(0.000000010)
HxCDFs (total)	Not Listed	ND(0.000000013)	ND(0.0000000096)	ND(0.000000010)	ND(0.000000010)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000073)	ND(0.000000014)	ND(0.000000012)	ND(0.000000013)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000095)	ND(0.000000018)	ND(0.0000000066)	ND(0.000000017)
HpCDFs (total)	Not Listed	ND(0.000000015)	ND(0.000000012)	ND(0.000000014)	ND(0.000000015)
OCDF	Not Listed	ND(0.000000018)	ND(0.000000020)	ND(0.000000017)	ND(0.000000029)
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000062)	ND(0.0000000047)	ND(0.0000000049)	ND(0.0000000056)
TCDDs (total)	Not Listed	ND(0.000000013)	ND(0.000000014)	ND(0.000000013)	ND(0.000000016)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000055)	ND(0.000000010)	ND(0.0000000094)	ND(0.0000000092)
PeCDDs (total)	Not Listed	ND(0.000000014)	ND(0.000000010)	ND(0.0000000094)	ND(0.0000000092)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000082)	ND(0.0000000079)	ND(0.0000000063)	ND(0.000000013)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000076)	ND(0.0000000073)	ND(0.0000000058)	ND(0.000000012)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000083)	ND(0.0000000080)	ND(0.0000000063)	ND(0.000000013)
HxCDDs (total)	Not Listed	ND(0.000000022)	ND(0.000000021)	ND(0.000000017)	ND(0.000000022)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000016)	ND(0.000000012)	ND(0.000000011)	ND(0.000000012)
HpCDDs (total)	Not Listed	ND(0.000000024)	ND(0.000000022)	ND(0.000000022)	ND(0.000000028)
OCDD	Not Listed	ND(0.000000025)	ND(0.000000031)	ND(0.000000029)	ND(0.000000032)
Total TEQs (WHO TEFs)	0.000001	0.000000013	0.000000013	0.000000012	0.000000013
Inorganics-Unfiltered					
Arsenic	9	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA
Cadmium	0.05	NA	NA	NA	NA
Chromium	3	NA	NA	NA	NA
Cobalt	Not Listed	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Cyanide-MADEP (PAC)	2	NA	NA	NA	NA
Mercury	0.2	NA	NA	NA	NA
Nickel	2	NA	NA	NA	NA
Selenium	1	NA	NA	NA	NA
Sulfide	Not Listed	ND(5.00)	4.00 B	2.40 B	4.80 B
Vanadium	40	NA	NA	NA	NA
Zinc	50	NA	NA	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
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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:	UCL-GW Standards	OPCA-MW-3 04/18/06	OPCA-MW-4 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06
Inorganics-Filtered					
Arsenic	9	ND(0.0100)	ND(0.0100)	ND(0.0100)	0.00450 B
Barium	100	0.0380 B	0.0290 B	0.0990 B	0.0140 B
Cadmium	0.05	ND(0.00500)	ND(0.00500)	0.000870 B	ND(0.00500)
Chromium	3	ND(0.0100)	ND(0.0100)	0.000690 B	ND(0.0100)
Cobalt	Not Listed	0.00440 B	ND(0.0500)	0.00140 B	ND(0.0500)
Copper	Not Listed	0.00140 B	ND(0.0250)	0.0190 B	ND(0.0250)
Cyanide-MADEP (PAC)	2	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	0.2	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	2	0.00200 B	ND(0.0400)	0.00270 B	ND(0.0400)
Selenium	1	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Vanadium	40	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	50	ND(0.0200) J	0.0260 J	0.00360 J	ND(0.0200) J

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	OPCA-MW-7 04/18/06	OPCA-MW-8 04/17/06	UB-MW-5 4/17-4/18/2006
Volatile Organics				
1,1-Dichloroethene	100	ND(0.0010)	ND(0.0010)	ND(0.0010)
Chlorobenzene	10	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	100	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	100	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	100	ND(0.0020)	ND(0.0020)	ND(0.0020)
trans-1,2-Dichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	50	ND(0.0050)	ND(0.0050)	0.00097 J
Vinyl Chloride	100	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)	100	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254	Not Listed	NA	NA	ND(0.00011)
Total PCBs	0.005	NA	NA	ND(0.00011)
PCBs-Filtered				
Aroclor-1254	Not Listed	0.00033	ND(0.00020)	ND(0.000065)
Total PCBs	0.005	0.00033	ND(0.00020)	ND(0.000065)
Semivolatile Organics				
None Detected	--	--	--	--
Furans				
2,3,7,8-TCDF	Not Listed	ND(0.0000000050)	ND(0.0000000034)	ND(0.0000000064)
TCDFs (total)	Not Listed	ND(0.000000011)	ND(0.000000011)	ND(0.000000017)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000080)	ND(0.0000000060)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000052)	ND(0.0000000078)	ND(0.0000000059)
PeCDFs (total)	Not Listed	ND(0.0000000052)	ND(0.0000000079)	ND(0.0000000059)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.0000000056)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000089)	ND(0.0000000096)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.000000012)	ND(0.000000013)	ND(0.0000000067)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.0000000056)
HxCDFs (total)	Not Listed	ND(0.000000010)	ND(0.000000011)	ND(0.000000016)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000061)	ND(0.0000000075)	ND(0.0000000061)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000079)	ND(0.0000000097)	ND(0.0000000079)
HpCDFs (total)	Not Listed	ND(0.000000015)	ND(0.000000024)	ND(0.000000021)
OCDF	Not Listed	ND(0.000000025)	ND(0.000000024)	ND(0.000000017)
Dioxins				
2,3,7,8-TCDD	Not Listed	ND(0.0000000056)	ND(0.0000000062)	ND(0.0000000044)
TCDDs (total)	Not Listed	ND(0.000000014)	ND(0.000000013)	ND(0.000000019)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000099)	ND(0.000000013)	ND(0.0000000096)
PeCDDs (total)	Not Listed	ND(0.0000000099)	ND(0.000000013)	ND(0.0000000096)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000082)	ND(0.0000000090)	ND(0.0000000098)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000071)	ND(0.0000000083)	ND(0.0000000091)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000078)	ND(0.0000000091)	ND(0.0000000099)
HxCDDs (total)	Not Listed	ND(0.000000028)	ND(0.000000023)	ND(0.000000033)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.000000012)	ND(0.000000012)	ND(0.000000014)
HpCDDs (total)	Not Listed	ND(0.000000027)	ND(0.000000036)	ND(0.000000039)
OCDD	Not Listed	ND(0.000000031)	ND(0.000000037)	ND(0.000000037)
Total TEQs (WHO TEFs)	0.000001	0.000000013	0.000000016	0.000000012
Inorganics-Unfiltered				
Arsenic	9	NA	NA	ND(0.0100)
Barium	100	NA	NA	0.0370 B
Cadmium	0.05	NA	NA	ND(0.00500)
Chromium	3	NA	NA	0.00210 B
Cobalt	Not Listed	NA	NA	0.000870 B
Copper	Not Listed	NA	NA	0.00300 B
Cyanide-MADEP (PAC)	2	NA	NA	ND(0.0100)
Mercury	0.2	NA	NA	ND(0.000200)
Nickel	2	NA	NA	0.00360 B
Selenium	1	NA	NA	ND(0.00500) J
Sulfide	Not Listed	5.60 B	6.40	2.40 B
Vanadium	40	NA	NA	0.00230 B
Zinc	50	NA	NA	0.0860 J

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	OPCA-MW-7 04/18/06	OPCA-MW-8 04/17/06	UB-MW-5 4/17-4/18/2006
Inorganics-Filtered				
Arsenic	9	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	100	0.0170 B	0.0170 B	0.0330 B
Cadmium	0.05	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	3	0.000950 B	0.00230 B	0.00130 B
Cobalt	Not Listed	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	Not Listed	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide-MADEP (PAC)	2	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	0.2	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	2	ND(0.0400)	ND(0.0400)	0.00290 B
Selenium	1	0.00420 J	0.00430 J	ND(0.00500)
Vanadium	40	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	50	ND(0.0200) J	0.0100 J	0.0380 J

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in 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
6. Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
7. With the exception dioxin/furans, only those constituents detected in one or more samples are summarized.
8. Field duplicate sample results are presented in brackets.
9. {} Indicates EPA split data.

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 ACTIVITIES

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
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 (1,2,3)	Well is included in OPCA groundwater quality monitoring program network.
78-6	GW-3 Perimeter/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2,3)	Well is included in OPCA groundwater quality monitoring program network.
GMA4-6	GW-3 Perimeter (Upgradient)/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2,3)	Well is to be added to OPCA groundwater quality monitoring program network, as required by EPA.
H78B-15	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2,3)	Well is included in OPCA groundwater quality monitoring program network.
H78B-16	Supplemental Well for TCE Evaluation	Annual - Fall 2007	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 2007.
H78B-17R	GW-3 Perimeter (Downgradient)	Annual - Fall 2007	VOC	
OPCA-MW-1R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2,3)	Well is included in OPCA groundwater quality monitoring program network as a replacement for well OPCA-MW-1.
OPCA-MW-2	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-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 (1,2,3)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-5R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-6	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-7	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2,3)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-8	GW-3 General/Source Area Sentinel/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
UB-MW-5	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	None	None	Four baseline sample set have been collected and all constituent concentrations are well below the applicable MCP GW-2/GW-3 standards. No further sampling is proposed.

NOTES:

1. Appendix IX+3 analyses consists of those non-PCB constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides) plus three constituents benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine.
2. Per the interim monitoring program protocols, analyses for PCBs, metals, and cyanide performed on filtered samples only.
3. Expedited Sampling, including PCB analyses by separate laboratories, proposed for fall 2006.

Figures

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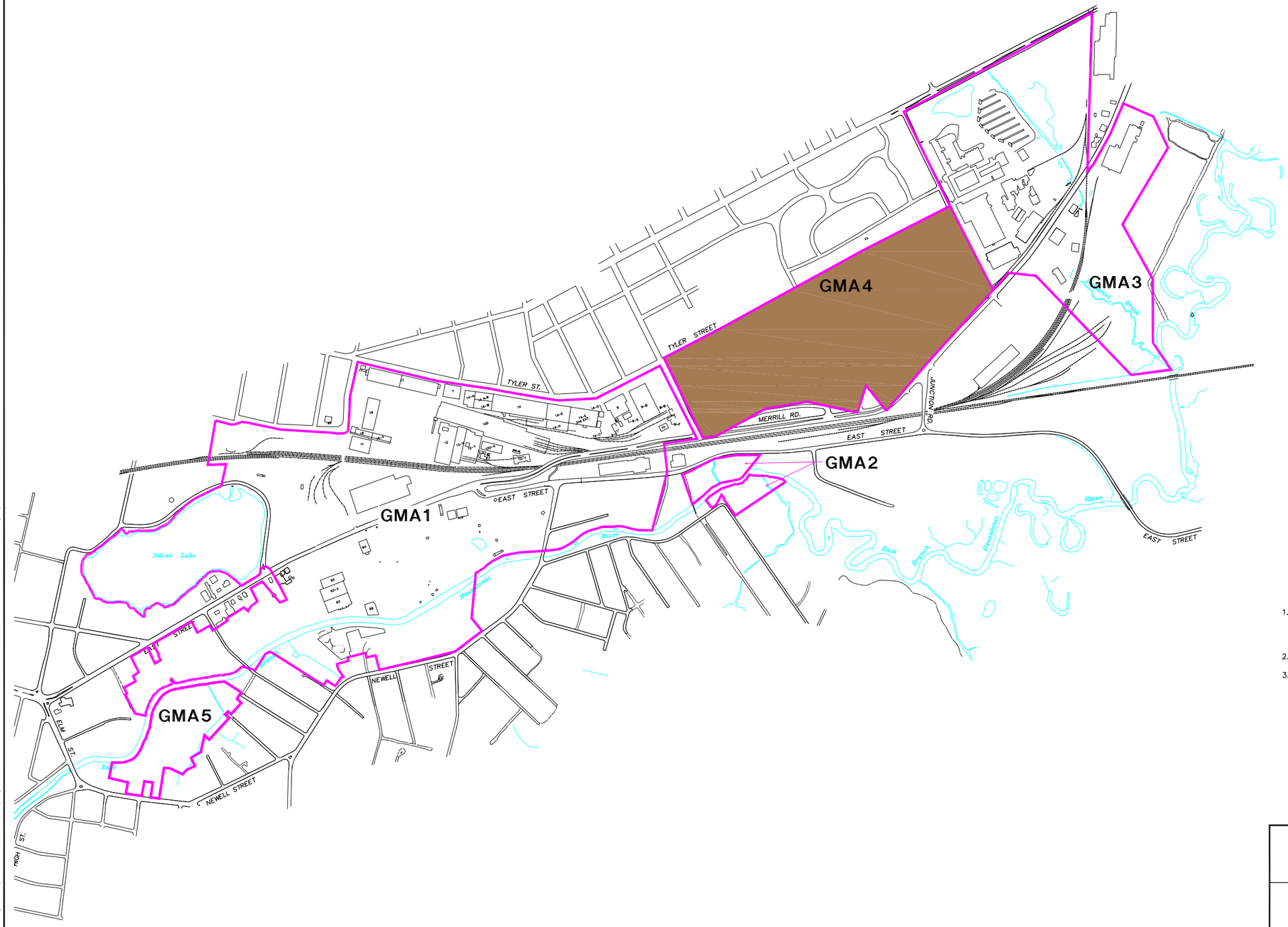

LEGEND:

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

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FIGURE
1

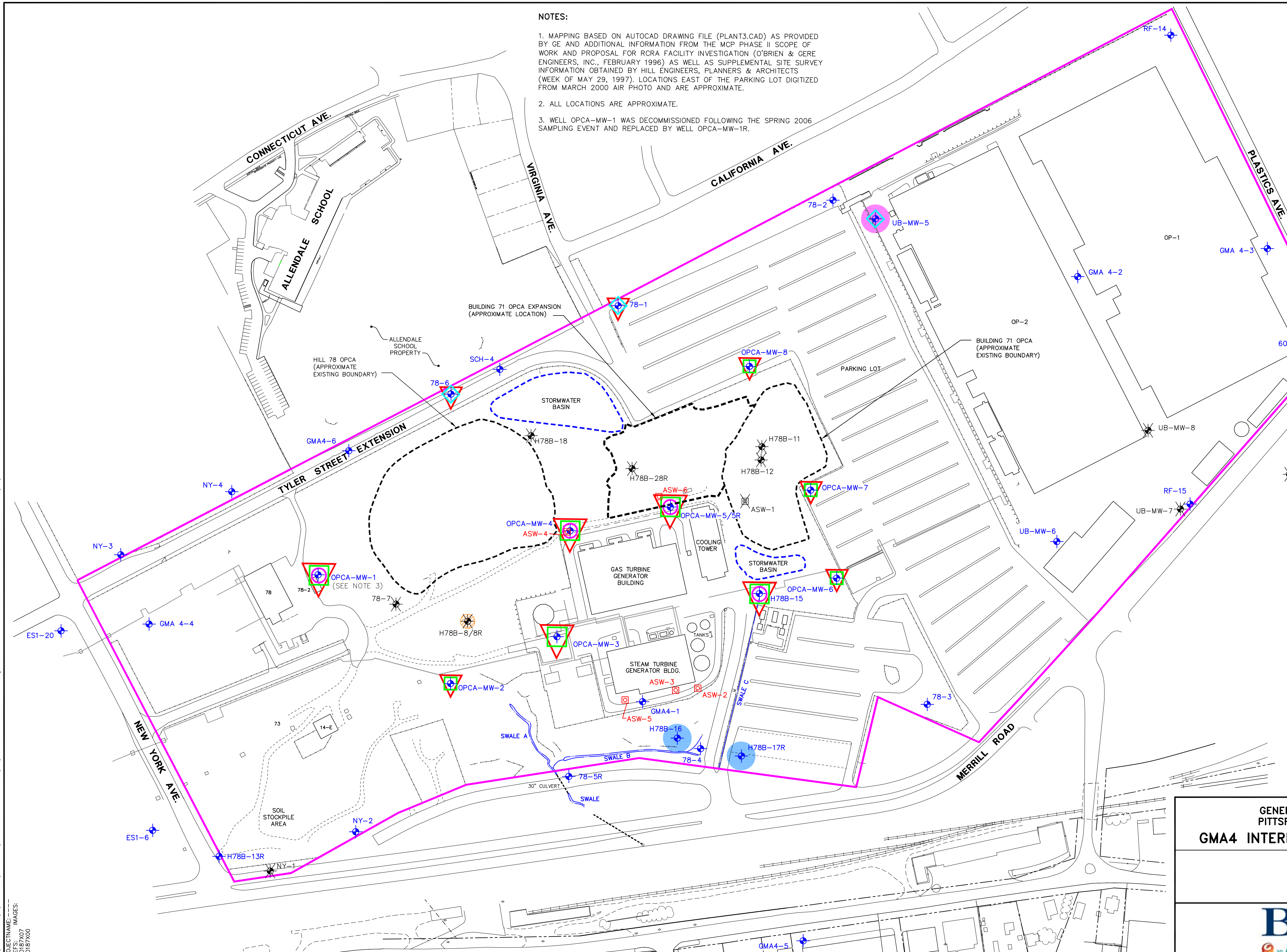
SYR-85-LJP LAF PGL LAYER: ON=*, OFF=REF (FRZ)
G:\GE_ACTIVE\VN\20187003\FALL05\20187B02.DWG SAVED:8/28/2006 10:29 AM LAYOUT:1 PAGESETUP:---- PENTABLE:PLTFULL.CTB PRINTED:9/13/2006 11:28 AM BY:RBASSETT
PROJECTNAME:----
XREFS: IMAGES:
20187X10

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. WELL OPCA-MW-1 WAS DECOMMISSIONED FOLLOWING THE SPRING 2006 SAMPLING EVENT AND REPLACED BY WELL OPCA-MW-1R.



LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- H78B-15 EXISTING MONITORING WELL
- 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 TCE ASSESSMENT
- WELL SAMPLED ON SEMI-ANNUAL BASIS UNTIL FOUR ROUNDS OF SAMPLES (IN TOTAL) WERE COLLECTED

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSSETTS

GMA4 INTERIM MONITORING PROGRAM

SITE PLAN

BBL® an ARCADIS company

FIGURE 2

SYR-85-SDL RCB PGL L: ON=*, OFF=REF (FRZ)
G:\GE_ACTIVE\C\20187001\SPRING06\20187B03.DWG SAVED: 8/28/2006 10:33 AM LAYOUT:Layout1 PAGESETUP:---- PENTABLE:PLTFULL.CTB PRINTED: 9/13/2006 11:23 AM BY:RBASSETT
PROJECTNAME: ---- IMAGES:
XREFS: 20187X07
20187X00

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

78-1 1018.59
78-2 1027.75
78-3 990.41
78-4 986.05
78-5R 992.55
78-6 1005.74
78-7
78-8
OPCA-MW-1 1016.87
OPCA-MW-2 1001.78
OPCA-MW-3 995.16
OPCA-MW-4 1006.10
OPCA-MW-5/5R 1005.19
OPCA-MW-6 1004.87
OPCA-MW-7 1008.82
OPCA-MW-8 1018.15
UB-MW-5 993.25
UB-MW-6 999.00
UB-MW-7 997.36
UB-MW-8
SCH-4 1006.84
ASW-1
ASW-2
ASW-3 989.46
ASW-4 1006.10
ASW-5
ASW-6
GMA4-1
GMA4-5
GMA4-6 1001.18
GMA 4-2 993.49
GMA 4-3 986.69
GMA 4-4 987.26
60A/B-R 988.21
RF-14 992.91
RF-15 997.36
NY-1
NY-2
NY-3 990.12
NY-4 1015.84
ES1-6 983.66
ES1-20 987.37
H78B-8/8R
H78B-11
H78B-12
H78B-13R 982.52
H78B-15 997.54
H78B-16 987.11
H78B-17R 986.88
H78B-18
H78B-28R

990
992
994
996
998
1000
1002
1004
1006
1008
1010
1012
1014
1016
1018
1020
978

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- H78B-15 EXISTING MONITORING WELL
- H78B-28/28R DECOMMISSIONED WELL LOCATION
- ASW-4 DEEP WATER SUPPLY WELL
- 992 WATER TABLE ELEVATION CONTOUR IN FEET, 2-FOOT INTERVAL
- 990 WATER TABLE ELEVATION CONTOUR IN FEET, 10-FOOT INTERVAL
- 997.36 GROUNDWATER ELEVATION IN FEET

0 120' 240'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

GMA4 INTERIM MONITORING PROGRAM

WATER TABLE CONTOUR MAP - SPRING 2006

BBL an ARCADIS company

FIGURE 3

SYR-85-PGL OMS PGL LAYER: ON=*; OFF=REF (FRZ)
G:\GE_ACTIVE\C\2018700\SPRING06\2018TW02.DWG SAVED:8/28/2006 10:37 AM LAYOUT:Layout1 PAGESETUP:---- PENTABLE:PLTFULL.CTB PRINTED:9/13/2006 11:24 AM BY:RBASSETT
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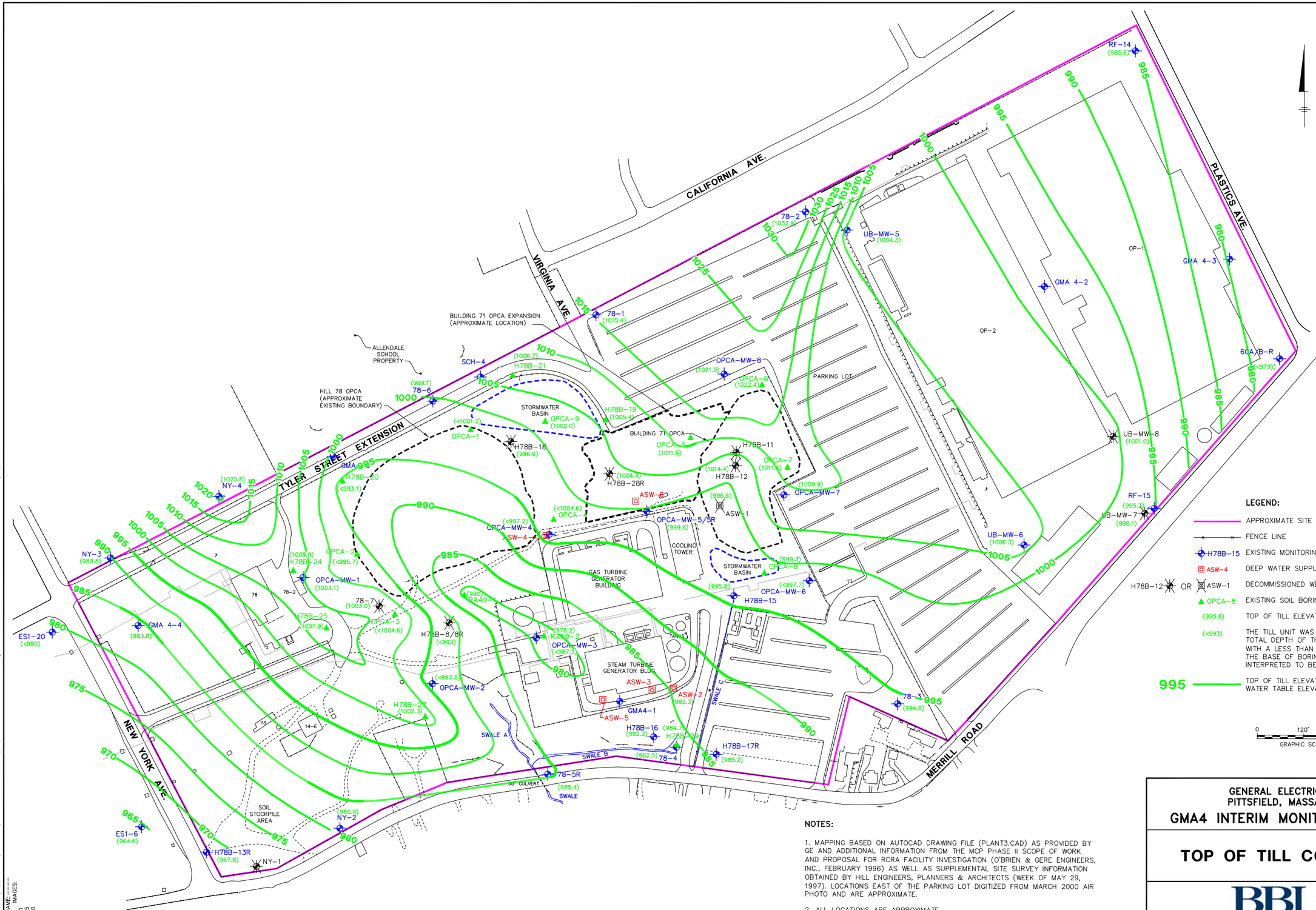
2018TX05
2018TX00



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, MASSACHUSSETTS

GMA4 INTERIM MONITORING PROGRAM

TOP OF TILL CONTOUR MAP

BBL an ARCADIS company

FIGURE 4

SYR-85-PGL LAF PGL L: ON=*; OFF=REF (FR2)
G:\GE_ACTIVE\C\2018700\SPRING06\2018TW04.DWG SAVED:8/28/2006 10:44 AM LAYOUT:Layout1 PAGESETUP:---- PENTABLE:PLTFULL.CTB PRINTED:9/13/2006 11:26 AM BY:RBASSETT
PROJECTNAME:----
XREFS:
IMAGES:
2018TX01
2018TX05
2018TX00

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

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

LEGEND:

- APPROXIMATE SITE BOUNDARY
- FENCE LINE
- H78B-15 EXISTING MONITORING WELL
- 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, MASSACHUSSETTS

GMA4 INTERIM MONITORING PROGRAM

PROPOSED INTERIM MONITORING PROGRAM

BBL an ARCADIS company

FIGURE 5

SYR-85-SDL RCB PGL RCB L: ON=*; OFF=REF (FRZ)
G:\GE_ACTIVE\C\2018700\SPRING06\2018780A.DWG SAVED:9/13/2006 11:18 AM LAYOUT:Layout1 PAGESETUP:---- PENTABLE:PLTFULL.CTB PRINTED:9/13/2006 11:22 AM BY:RBASSETT
PROJECTNAME:----
XREFS: 2018700 2018700
IMAGES:

Appendices

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Appendix A

Groundwater Analytical Results – Spring 2006

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TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06	H78B-17R 04/17/06
Volatile Organics					
1,1,1,2-Tetrachloroethane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010) {ND(0.01)}	ND(0.0050) {ND(0.001)}	ND(0.0010)	ND(0.0010)	0.00054 J
1,2,3-Trichloropropane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050) J	ND(0.0050) J
1,2-Dibromo-3-chloropropane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010) {ND(.01)}	ND(0.0010) {ND(0.001)}	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050) J	ND(0.0050) J
1,2-Dichloropropane	ND(0.0050) {ND(.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J {R}	ND(0.20) J {R}	ND(0.20) J	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010) {R}	ND(0.010) {R}	ND(0.010)	ND(0.010) J	ND(0.010) J
2-Chloro-1,3-butadiene	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010) {ND (0.005)}	ND(0.010) {R}	ND(0.010)	ND(0.010) J	ND(0.010) J
3-Chloropropene	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010) J {ND (0.005)}	ND(0.010) J {ND(0.005)}	ND(0.010) J	ND(0.010)	ND(0.010)
Acetone	ND(0.010) {ND (0.005)}	ND(0.010) {R}	ND(0.010)	ND(0.010) J	ND(0.010) J
Acetonitrile	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10)	ND(0.10)
Acrolein	ND(0.10) {R}	ND(0.10) {R}	ND(0.10)	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050) J	ND(0.0050) J
Benzene	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020) J {ND (0.001)}	ND(0.0020) J {ND(0.001)}	ND(0.0020) J	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.0022 J	ND(0.0050)
Chloroethane	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	0.070
Chloromethane	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050) {ND (0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050) J
Ethyl Methacrylate	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050) {ND(0.001)}	ND(0.0050) {R}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10) {R}	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Methacrylonitrile	ND(0.0050) J {ND(0.001)}	ND(0.0050) J {ND(0.001)}	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Methyl Methacrylate	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.00082 J	ND(0.0050)
Propionitrile	ND(0.010) {R}	ND(0.010) {R}	ND(0.010)	ND(0.010)	ND(0.010)
Styrene	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020) J {ND(0.001)}	ND(0.0020) J {ND(0.001)}	ND(0.0020)	ND(0.0020)	0.0018 J
Toluene	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	0.0057
trans-1,3-Dichloropropene	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050) J	ND(0.0050) J
Trichloroethene	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	0.022	0.16
Trichlorofluoromethane	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050) {ND(0.001)}	ND(0.0050) {ND(0.001)}	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020) J {ND(0.001)}	ND(0.0020) {ND(0.001)}	ND(0.0020)	0.00098 J	ND(0.0020)
Xylenes (total)	ND(0.010) {ND(0.001)}	ND(0.010) {ND(0.001)}	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	0.026 J	0.24

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06	H78B-17R 04/17/06
PCBs-Unfiltered					
Aroclor-1016	NA	NA	NA	NA	NA
Aroclor-1221	NA	NA	NA	NA	NA
Aroclor-1232	NA	NA	NA	NA	NA
Aroclor-1242	NA	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1016	ND(0.000065) {ND(0.000013)}	ND(0.000065) {ND(0.000013)}	ND(0.000065)	NA	NA
Aroclor-1221	ND(0.000065) {ND(0.000013)}	ND(0.000065) {ND(0.000013)}	ND(0.000065)	NA	NA
Aroclor-1232	ND(0.000065) {ND(0.000013)}	ND(0.000065) {ND(0.000013)}	ND(0.000065)	NA	NA
Aroclor-1242	ND(0.000065) {ND(0.000013)}	ND(0.000065) {ND(0.000013)}	ND(0.000065)	NA	NA
Aroclor-1248	ND(0.000065) {ND(0.000013)}	ND(0.000065) {ND(0.000013)}	ND(0.000065)	NA	NA
Aroclor-1254	0.00024 {0.000066J}	0.00079 {ND(0.000013)}	0.00079	NA	NA
Aroclor-1260	ND(0.000065) {0.0001}	ND(0.000065) {ND(0.000013)}	ND(0.000065)	NA	NA
Total PCBs	0.00024 {0.00017J}	0.00079 {ND(0.000013)}	0.00079	NA	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
1,2,4-Trichlorobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
1,2-Dichlorobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
1,2-Diphenylhydrazine	ND(0.010) J	ND(0.010)	NA	NA	NA
1,3,5-Trinitrobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
1,3-Dichlorobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
1,3-Dinitrobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
1,4-Dichlorobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
1,4-Naphthoquinone	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
1-Naphthylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2,3,4,6-Tetrachlorophenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2,4,5-Trichlorophenol	ND(0.010) J{ND(.026)}	ND(0.010) J {ND(0.025)}	NA	NA	NA
2,4,6-Trichlorophenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2,4-Dichlorophenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2,4-Dimethylphenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2,4-Dinitrophenol	ND(0.050) J {ND(.026)}	ND(0.050) J {ND(0.025)}	NA	NA	NA
2,4-Dinitrotoluene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2,6-Dichlorophenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.025}	NA	NA	NA
2,6-Dinitrotoluene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2-Acetylaminofluorene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2-Chloronaphthalene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2-Chlorophenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2-Methylnaphthalene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2-Methylphenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2-Naphthylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2-Nitroaniline	ND(0.050) J {ND(.026)}	ND(0.050) J {ND(0.025)}	NA	NA	NA
2-Nitrophenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
2-Picoline	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
3&4-Methylphenol	ND(0.010) J	ND(0.010) J	NA	NA	NA
3,3'-Dichlorobenzidine	ND(0.020) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
3,3'-Dimethylbenzidine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
3-Methylcholanthrene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
3-Nitroaniline	ND(0.050) J {ND(.026)}	ND(0.050) J {ND(0.025)}	NA	NA	NA
4,6-Dinitro-2-methylphenol	ND(0.050) J {ND(.026)}	ND(0.050) J {ND(0.025)}	NA	NA	NA
4-Aminobiphenyl	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
4-Bromophenyl-phenylether	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
4-Chloro-3-Methylphenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
4-Chloroaniline	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
4-Chlorobenzilate	ND(0.010) J	ND(0.010) J	NA	NA	NA
4-Chlorophenyl-phenylether	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06	H78B-17R 04/17/06
Semivolatile Organics (continued)					
4-Nitroaniline	ND(0.050) J {ND(.026)}	ND(0.050) J {ND(0.025)}	NA	NA	NA
4-Nitrophenol	ND(0.050) J {ND(.026)}	ND(0.050) J {ND(0.025)}	NA	NA	NA
4-Nitroquinoline-1-oxide	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
4-Phenylenediamine	ND(0.010) J	ND(0.010) J	NA	NA	NA
5-Nitro-o-toluidine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
a,a'-Dimethylphenethylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Acenaphthene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Acenaphthylene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Acetophenone	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Aniline	ND(0.010) J {ND(0.026)}	ND(0.010) J {ND(0.025)}	NA	NA	NA
Anthracene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Aramite	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Benzidine	ND(0.020) J	ND(0.020) J	NA	NA	NA
Benzo(a)anthracene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Benzo(a)pyrene	ND(0.010) J {ND(0.01)}	ND(0.010) J	NA	NA	NA
Benzo(b)fluoranthene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Benzo(g,h,i)perylene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Benzo(k)fluoranthene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Benzyl Alcohol	ND(0.020) J {ND(0.01)}	ND(0.020) J {ND(0.01)}	NA	NA	NA
bis(2-Chloroethoxy)methane	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
bis(2-Chloroethyl)ether	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
bis(2-Chloroisopropyl)ether	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.0060) J {0.0025J}	ND(0.0060) J {ND(0.01)}	NA	NA	NA
Butylbenzylphthalate	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Chrysene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Diallate	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Dibenzo(a,h)anthracene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Dibenzofuran	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Diethylphthalate	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Dimethylphthalate	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Di-n-Butylphthalate	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Di-n-Octylphthalate	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Diphenylamine	ND(0.010) J	ND(0.010) J	NA	NA	NA
Ethyl Methanesulfonate	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Fluoranthene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Fluorene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Hexachlorobenzene	ND(0.010) J	ND(0.010) J	NA	NA	NA
Hexachlorobutadiene	ND(0.0010) {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Hexachlorocyclopentadiene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Hexachloroethane	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Hexachlorophene	ND(0.020) J	ND(0.010) J	NA	NA	NA
Hexachloropropene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Isodrin	ND(0.010) J	ND(0.010) J {ND(0.01)}	NA	NA	NA
Isophorone	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Isosafrole	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Methapyrilene	ND(0.010) J	ND(0.010) J {ND(0.01)}	NA	NA	NA
Methyl Methanesulfonate	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Naphthalene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Nitrobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
N-Nitrosodiethylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06	H78B-17R 04/17/06
Semivolatile Organics (continued)					
N-Nitrosodimethylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
N-Nitroso-di-n-butylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
N-Nitroso-di-n-propylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
N-Nitrosodiphenylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
N-Nitrosomethylethylamine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
N-Nitrosomorpholine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
N-Nitrosopiperidine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
N-Nitrosopyrrolidine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
o,o,o-Triethylphosphorothioate	ND(0.010) J	ND(0.010) J	NA	NA	NA
o-Toluidine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
p-Dimethylaminoazobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Pentachlorobenzene	ND(0.010) J	ND(0.010) J	NA	NA	NA
Pentachloroethane	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Pentachloronitrobenzene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Pentachlorophenol	ND(0.050) J {ND(.026)}	ND(0.050) J {ND(0.025)}	NA	NA	NA
Phenacetin	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Phenanthrene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Phenol	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Pronamide	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Pyrene	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Pyridine	ND(0.010) J {ND(0.01)}	ND(0.010) J {ND(0.01)}	NA	NA	NA
Safrole	ND(0.010) J {1R}	ND(0.010) J {R}	NA	NA	NA
Thionazin	ND(0.010) J	ND(0.010) J	NA	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.0000000047)	ND(0.0000000049)	ND(0.0000000068)	NA	NA
TCDFs (total)	ND(0.000000010)	ND(0.000000010)	ND(0.000000011)	NA	NA
1,2,3,7,8-PeCDF	ND(0.0000000080)	ND(0.0000000063)	ND(0.0000000074)	NA	NA
2,3,4,7,8-PeCDF	ND(0.0000000078)	ND(0.0000000062)	ND(0.0000000072)	NA	NA
PeCDFs (total)	ND(0.0000000079)	ND(0.0000000063)	ND(0.0000000073)	NA	NA
1,2,3,4,7,8-HxCDF	ND(0.000000011)	ND(0.000000013)	ND(0.000000012)	NA	NA
1,2,3,6,7,8-HxCDF	ND(0.0000000099)	ND(0.000000011)	ND(0.000000010)	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.000000013)	ND(0.000000015)	ND(0.000000014)	NA	NA
2,3,4,6,7,8-HxCDF	ND(0.000000011)	ND(0.000000013)	ND(0.000000011)	NA	NA
HxCDFs (total)	ND(0.000000011)	ND(0.000000013)	ND(0.000000012)	NA	NA
1,2,3,4,6,7,8-HpCDF	ND(0.0000000066)	ND(0.0000000061)	ND(0.0000000082)	NA	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000000085)	ND(0.0000000079)	ND(0.000000011)	NA	NA
HpCDFs (total)	ND(0.000000016)	ND(0.000000015)	ND(0.000000015)	NA	NA
OCDF	ND(0.000000020)	ND(0.000000022)	ND(0.000000024)	NA	NA
Dioxins					
2,3,7,8-TCDD	ND(0.0000000056)	ND(0.0000000059)	ND(0.0000000056)	NA	NA
TCDDs (total)	ND(0.000000012)	ND(0.000000013)	ND(0.000000012)	NA	NA
1,2,3,7,8-PeCDD	ND(0.000000012)	ND(0.000000010)	ND(0.000000012)	NA	NA
PeCDDs (total)	ND(0.000000012)	ND(0.000000010)	ND(0.000000012)	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.0000000079)	ND(0.0000000092)	ND(0.0000000092)	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.0000000073)	ND(0.0000000085)	ND(0.0000000084)	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000000080)	ND(0.0000000093)	ND(0.0000000093)	NA	NA
HxCDDs (total)	ND(0.000000025)	ND(0.000000024)	ND(0.000000027)	NA	NA
1,2,3,4,6,7,8-HpCDD	ND(0.0000000096)	ND(0.000000012)	0.000000034 J	NA	NA
HpCDDs (total)	ND(0.000000026)	ND(0.000000026)	0.000000034 J	NA	NA
OCDD	ND(0.000000033)	ND(0.000000030)	ND(0.000000030)	NA	NA
Total TEQs (WHO TEFs)	0.000000015	0.000000014	0.000000015	NA	NA

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 04/19/06	78-6 04/19/06	H78B-15 04/19/06	H78B-16 04/17/06	H78B-17R 04/17/06
Inorganics-Unfiltered					
Antimony	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Selenium	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA
Sulfide	5.60 B	8.80	7.20 B	NA	NA
Thallium	NA	NA	NA	NA	NA
Tin	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	ND(0.0600) {ND(0.0035)}	ND(0.0600) {ND(0.0035)}	ND(0.0600)	NA	NA
Arsenic	ND(0.0100) {ND(0.033)}	ND(0.0100) {0.0102}	ND(0.0100)	NA	NA
Barium	0.0330 B {0.0293}	0.0620 B {0.0765}	0.0690 B	NA	NA
Beryllium	ND(0.00100) {0.00021}	ND(0.00100) {ND(0.0002)}	ND(0.00100)	NA	NA
Cadmium	ND(0.00500) {ND(0.0008)}	ND(0.00500) {ND(0.0008)}	ND(0.00500)	NA	NA
Chromium	0.000710 B {ND(0.0023)}	ND(0.0100) {ND(0.0023)}	0.000790 B	NA	NA
Cobalt	ND(0.0500) {ND(0.029)}	0.00220 B {ND(0.0029)}	ND(0.0500)	NA	NA
Copper	0.00220 B {ND(0.027)}	ND(0.0250) {ND(0.0027)}	0.00210 B	NA	NA
Cyanide-MADEP (PAC)	ND(0.0100) {ND(0.01)}	0.00230 B {ND(0.01)}	0.00180 B	NA	NA
Lead	ND(0.00500) {ND(0.0024)}	ND(0.00500) {ND(0.0024)}	ND(0.00500)	NA	NA
Mercury	ND(0.000200) {ND(0.0001)}	ND(0.000200) {ND(0.0001}	0.0000200 B	NA	NA
Nickel	ND(0.0400) {ND(0.0033)}	ND(0.0400) {ND(0.0033)}	ND(0.0400)	NA	NA
Selenium	ND(0.00500) {ND(0.0047)}	ND(0.00500) {ND(0.0047)}	ND(0.00500)	NA	NA
Silver	ND(0.00500) {0.0034J}	ND(0.00500) {0.0034 J}	ND(0.00500)	NA	NA
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	NA	NA
Tin	ND(0.0300) {0.005}	ND(0.0300) {ND(0.004)}	ND(0.0300)	NA	NA
Vanadium	ND(0.0500) {ND(0.0029)}	ND(0.0500) {ND(0.0029)}	ND(0.0500)	NA	NA
Zinc	0.00310 B {0.0076}	ND(0.0200) {0.0067}	ND(0.0200)	NA	NA

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06	OPCA-MW-3 04/18/06
Volatile Organics			
1,1,1,2-Tetrachloroethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J [ND(0.20) J]	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
Acetone	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acetonitrile	ND(0.10) J [ND(0.10) J]	ND(0.10) J	ND(0.10) J
Acrolein	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Benzene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020) J [ND(0.0020) J]	ND(0.0020) J	ND(0.0020) J
Carbon Disulfide	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050) [ND(0.0050)]	0.0028 J	ND(0.0050)
Chloroethane	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)
Chloromethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Ethyl Methacrylate	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Methacrylonitrile	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J	ND(0.0050) J
Methyl Methacrylate	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Styrene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Toluene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050) J [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Total VOCs	ND(0.20) [ND(0.20)]	0.0028 J	ND(0.20)

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06	OPCA-MW-3 04/18/06
PCBs-Unfiltered			
Aroclor-1016	NA	NA	NA
Aroclor-1221	NA	NA	NA
Aroclor-1232	NA	NA	NA
Aroclor-1242	NA	NA	NA
Aroclor-1248	NA	NA	NA
Aroclor-1254	NA	NA	NA
Aroclor-1260	NA	NA	NA
Total PCBs	NA	NA	NA
PCBs-Filtered			
Aroclor-1016	ND(0.000065) [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1221	ND(0.000065) [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1232	ND(0.000065) [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1242	ND(0.000065) [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1248	ND(0.000065) [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1254	0.0010 [0.00088]	ND(0.000075) J	0.00018
Aroclor-1260	ND(0.000065) [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Total PCBs	0.0010 [0.00088]	ND(0.000075) J	0.00018
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
1,3-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
1,4-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
1-Naphthylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,3,4,6-Tetrachlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
2-Acetylaminofluorene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Chloronaphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Naphthylamine	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
2-Nitroaniline	ND(0.050) J [ND(0.050) J]	ND(0.050) J	ND(0.050) J
2-Nitrophenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
3,3'-Dichlorobenzidine	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
3-Methylcholanthrene	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
3-Nitroaniline	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
4-Chlorobenzilate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06	OPCA-MW-3 04/18/06
Semivolatile Organics (continued)			
4-Nitroaniline	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050) J [ND(0.050) J]	ND(0.050) J	ND(0.050) J
4-Nitroquinoline-1-oxide	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
4-Phenylenediamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
5-Nitro-o-toluidine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acetophenone	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Aniline	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Aramite	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Benzidine	ND(0.020) J [ND(0.020) J]	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Benzyl Alcohol	ND(0.020) [ND(0.020)]	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060) J [ND(0.0060) J]	ND(0.0060) J	ND(0.0060) J
Butylbenzylphthalate	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
Chrysene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Diallate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Diphenylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Fluorene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Hexachlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Hexachlorobutadiene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Hexachloroethane	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.020) J [ND(0.020) J]	ND(0.020) J	ND(0.020) J
Hexachloropropene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Isodrin	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Isophorone	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
Methapyrilene	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
Methyl Methanesulfonate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06	OPCA-MW-3 04/18/06
Semivolatile Organics (continued)			
N-Nitrosodimethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitrosomorpholine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitrosopiperidine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
o-Toluidine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Pentachlorobenzene	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
Pentachloroethane	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Phenol	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Pronamide	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Pyrene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Pyridine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Safrole	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J
Thionazin	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Furans			
2,3,7,8-TCDF	ND(0.0000000064) [ND(0.0000000053)]	ND(0.0000000071)	ND(0.0000000060)
TCDFs (total)	ND(0.000000016) [ND(0.000000010)]	ND(0.000000014)	ND(0.000000010)
1,2,3,7,8-PeCDF	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000089)	ND(0.0000000090)
2,3,4,7,8-PeCDF	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000087)	ND(0.0000000088)
PeCDFs (total)	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000088)	ND(0.0000000089)
1,2,3,4,7,8-HxCDF	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)	ND(0.000000013)
1,2,3,6,7,8-HxCDF	ND(0.0000000095) [ND(0.0000000087)]	ND(0.0000000099)	ND(0.000000012)
1,2,3,7,8,9-HxCDF	ND(0.000000013) [ND(0.000000012)]	ND(0.000000013)	ND(0.000000016)
2,3,4,6,7,8-HxCDF	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)	ND(0.000000013)
HxCDFs (total)	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011)	ND(0.000000013)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000066)	ND(0.0000000073)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000067) [ND(0.0000000064)]	ND(0.0000000085)	ND(0.0000000095)
HpCDFs (total)	ND(0.000000014) [ND(0.000000016)]	ND(0.000000023)	ND(0.000000015)
OCDF	ND(0.000000022) [ND(0.000000020)]	ND(0.000000035)	ND(0.000000018)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000064) [ND(0.0000000053)]	ND(0.0000000051)	ND(0.0000000062)
TCDDs (total)	ND(0.000000018) [ND(0.000000011)]	ND(0.000000016)	ND(0.000000013)
1,2,3,7,8-PeCDD	ND(0.0000000086) [ND(0.0000000083)]	ND(0.0000000072)	ND(0.0000000055)
PeCDDs (total)	ND(0.0000000086) [ND(0.0000000083)]	ND(0.000000016)	ND(0.000000014)
1,2,3,4,7,8-HxCDD	ND(0.0000000088) [ND(0.0000000069)]	ND(0.0000000077)	ND(0.0000000082)
1,2,3,6,7,8-HxCDD	ND(0.0000000081) [ND(0.0000000064)]	ND(0.0000000071)	ND(0.0000000076)
1,2,3,7,8,9-HxCDD	ND(0.0000000089) [ND(0.0000000070)]	ND(0.0000000078)	ND(0.0000000083)
HxCDDs (total)	ND(0.000000020) [ND(0.000000025)]	ND(0.000000023)	ND(0.000000022)
1,2,3,4,6,7,8-HpCDD	ND(0.000000013) [ND(0.000000010)]	ND(0.000000020)	ND(0.000000016)
HpCDDs (total)	ND(0.000000023) [ND(0.000000027)]	ND(0.000000043)	ND(0.000000024)
OCDD	ND(0.000000032) [ND(0.000000035)]	ND(0.000000046)	ND(0.000000025)
Total TEQs (WHO TEFs)	0.000000013 [0.000000012]	0.000000012	0.000000013

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 04/18/06	OPCA-MW-2 04/18/06	OPCA-MW-3 04/18/06
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
Cyanide-MADEP (PAC)	NA	NA	NA
Lead	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Sulfide	6.40 B [4.80 B]	4.80 B	ND(5.00)
Thallium	NA	NA	NA
Tin	NA	NA	NA
Vanadium	NA	NA	NA
Zinc	NA	NA	NA
Inorganics-Filtered			
Antimony	ND(0.0600) [ND(0.0600)]	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Barium	0.0210 B [0.0200 B]	0.0180 B	0.0380 B
Beryllium	ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500) [ND(0.0500)]	ND(0.0500)	0.00440 B
Copper	ND(0.0250) [ND(0.0250)]	ND(0.0250)	0.00140 B
Cyanide-MADEP (PAC)	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Lead	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Mercury	ND(0.000200) [ND(0.000200)]	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400) [ND(0.0400)]	ND(0.0400)	0.00200 B
Selenium	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)
Tin	ND(0.0300) [ND(0.0300)]	ND(0.0300)	ND(0.0300)
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200) J [ND(0.0200) J]	ND(0.0200) J	ND(0.0200) J

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06	OPCA-MW-7 04/18/06
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010) J	ND(0.010) J	ND(0.010)	ND(0.010) J
Acetone	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
Acetonitrile	ND(0.10) J	ND(0.10) J	ND(0.10)	ND(0.10) J
Acrolein	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020) J	ND(0.0020) J	ND(0.0020)	ND(0.0020) J
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	0.0021 J	ND(0.0050)	ND(0.0050)
Chloroethane	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)
Chloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
Ethyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
Methacrylonitrile	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J
Methyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Styrene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
Trichloroethene	0.0016 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	0.0071	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	0.0016 J	0.0092 J	ND(0.20)	ND(0.20)

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06	OPCA-MW-7 04/18/06
PCBs-Unfiltered				
Aroclor-1016	NA	NA	NA	NA
Aroclor-1221	NA	NA	NA	NA
Aroclor-1232	NA	NA	NA	NA
Aroclor-1242	NA	NA	NA	NA
Aroclor-1248	NA	NA	NA	NA
Aroclor-1254	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA
PCBs-Filtered				
Aroclor-1016	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	0.00031	0.00026	ND(0.00016)	0.00033
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.00031	0.00026	ND(0.00016)	0.00033
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
1,4-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
1-Naphthylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,3,4,6-Tetrachlorophenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050)	R	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
2-Acetylaminofluorene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloronaphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2-Naphthylamine	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
2-Nitroaniline	ND(0.050) J	ND(0.050) J	ND(0.050) J	ND(0.050) J
2-Nitrophenol	ND(0.010)	R	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010)	R	ND(0.010)	ND(0.010)
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3-Methylcholanthrene	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
3-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	R	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	R	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Chlorobenzilate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06	OPCA-MW-7 04/18/06
Semivolatile Organics (continued)				
4-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050) J	R	ND(0.050) J	ND(0.050) J
4-Nitroquinoline-1-oxide	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
4-Phenylenediamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
5-Nitro-o-toluidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acetophenone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Aniline	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Aramite	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzidine	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzyl Alcohol	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060) J	ND(0.0060) J	ND(0.0060) J	ND(0.0060) J
Butylbenzylphthalate	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Chrysene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Diallate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Diphenylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobutadiene	ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachloroethane	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Hexachloropropene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isodrin	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isophorone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Methapyrilene	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Methyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06	OPCA-MW-7 04/18/06
Semivolatile Organics (continued)				
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosomorpholine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosopiperidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
o-Toluidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Pentachloroethane	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	R	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	R	ND(0.010)	ND(0.010)
Pronamide	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pyrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pyridine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Safrole	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Thionazin	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Furans				
2,3,7,8-TCDF	ND(0.0000000053)	ND(0.0000000041)	ND(0.0000000055)	ND(0.0000000050)
TCDFs (total)	ND(0.000000014)	ND(0.000000012)	ND(0.000000014)	ND(0.000000011)
1,2,3,7,8-PeCDF	ND(0.0000000072)	ND(0.0000000059)	ND(0.0000000056)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000070)	ND(0.0000000057)	ND(0.0000000055)	ND(0.0000000052)
PeCDFs (total)	0.000000033 J	ND(0.0000000058)	ND(0.0000000055)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000095)	ND(0.000000010)	ND(0.000000010)	ND(0.000000010)
1,2,3,6,7,8-HxCDF	ND(0.0000000084)	ND(0.0000000092)	ND(0.0000000088)	ND(0.0000000089)
1,2,3,7,8,9-HxCDF	ND(0.000000011)	ND(0.000000012)	ND(0.000000012)	ND(0.000000012)
2,3,4,6,7,8-HxCDF	ND(0.0000000095)	ND(0.000000010)	ND(0.000000010)	ND(0.000000010)
HxCDFs (total)	ND(0.0000000096)	ND(0.000000010)	ND(0.000000010)	ND(0.000000010)
1,2,3,4,6,7,8-HpCDF	ND(0.000000014)	ND(0.000000012)	ND(0.000000013)	ND(0.0000000061)
1,2,3,4,7,8,9-HpCDF	ND(0.000000018)	ND(0.0000000066)	ND(0.000000017)	ND(0.0000000079)
HpCDFs (total)	ND(0.000000012)	ND(0.000000014)	ND(0.000000015)	ND(0.000000015)
OCDF	ND(0.000000020)	ND(0.000000017)	ND(0.000000029)	ND(0.000000025)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000047)	ND(0.0000000049)	ND(0.0000000056)	ND(0.0000000056)
TCDDs (total)	ND(0.000000014)	ND(0.000000013)	ND(0.000000016)	ND(0.000000014)
1,2,3,7,8-PeCDD	ND(0.000000010)	ND(0.0000000094)	ND(0.0000000092)	ND(0.0000000099)
PeCDDs (total)	ND(0.000000010)	ND(0.0000000094)	ND(0.0000000092)	ND(0.0000000099)
1,2,3,4,7,8-HxCDD	ND(0.0000000079)	ND(0.0000000063)	ND(0.0000000013)	ND(0.0000000082)
1,2,3,6,7,8-HxCDD	ND(0.0000000073)	ND(0.0000000058)	ND(0.000000012)	ND(0.0000000071)
1,2,3,7,8,9-HxCDD	ND(0.0000000080)	ND(0.0000000063)	ND(0.000000013)	ND(0.0000000078)
HxCDDs (total)	ND(0.000000021)	ND(0.000000017)	ND(0.000000022)	ND(0.000000028)
1,2,3,4,6,7,8-HpCDD	ND(0.000000012)	ND(0.000000011)	ND(0.000000012)	ND(0.000000012)
HpCDDs (total)	ND(0.000000022)	ND(0.000000022)	ND(0.000000028)	ND(0.000000027)
OCDD	ND(0.000000031)	ND(0.000000029)	ND(0.000000032)	ND(0.000000031)
Total TEQs (WHO TEFs)	0.000000013	0.000000012	0.000000013	0.000000013

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/18/06	OPCA-MW-5R 04/18/06	OPCA-MW-6 04/17/06	OPCA-MW-7 04/18/06
Inorganics-Unfiltered				
Antimony	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA
Barium	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA
Chromium	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA
Copper	NA	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA
Lead	NA	NA	NA	NA
Mercury	NA	NA	NA	NA
Nickel	NA	NA	NA	NA
Selenium	NA	NA	NA	NA
Silver	NA	NA	NA	NA
Sulfide	4.00 B	2.40 B	4.80 B	5.60 B
Thallium	NA	NA	NA	NA
Tin	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA
Zinc	NA	NA	NA	NA
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	0.00450 B	ND(0.0100)
Barium	0.0290 B	0.0990 B	0.0140 B	0.0170 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	0.000870 B	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100)	0.000690 B	ND(0.0100)	0.000950 B
Cobalt	ND(0.0500)	0.00140 B	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	0.0190 B	ND(0.0250)	ND(0.0250)
Cyanide-MADEP (PAC)	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	0.00270 B	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)	ND(0.00500)	0.00420 J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Tin	ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.0260 J	0.00360 J	ND(0.0200) J	ND(0.0200) J

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/17/06	UB-MW-5 4/17-4/18/06
Volatile Organics		
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050) J	ND(0.0050) J
1,2-Dibromo-3-chloropropane	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050) J	ND(0.0050) J
1,2-Dichloropropane	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010) J	ND(0.010) J
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010) J	ND(0.010) J
3-Chloropropene	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)
Acetone	ND(0.010) J	ND(0.010) J
Acetonitrile	ND(0.10)	ND(0.10)
Acrolein	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.0050) J	ND(0.0050) J
Benzene	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050) J	ND(0.0050) J
Ethyl Methacrylate	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10)	ND(0.10)
Methacrylonitrile	ND(0.0050) J	ND(0.0050) J
Methyl Methacrylate	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010)	ND(0.010)
Styrene	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020)	ND(0.0020)
Toluene	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050) J	ND(0.0050) J
Trichloroethene	ND(0.0050)	0.00097 J
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010)
Total VOCs	ND(0.20)	0.00097 J

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/17/06	UB-MW-5 4/17-4/18/06
PCBs-Unfiltered		
Aroclor-1016	NA	ND(0.000065)
Aroclor-1221	NA	ND(0.000065)
Aroclor-1232	NA	ND(0.000065)
Aroclor-1242	NA	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)
Aroclor-1254	NA	ND(0.00011)
Aroclor-1260	NA	ND(0.000065)
Total PCBs	NA	ND(0.00011)
PCBs-Filtered		
Aroclor-1016	ND(0.000065)	ND(0.000065)
Aroclor-1221	ND(0.000065)	ND(0.000065)
Aroclor-1232	ND(0.000065)	ND(0.000065)
Aroclor-1242	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.00020)	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.00020)	ND(0.000065)
Semivolatile Organics		
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.010) J	ND(0.010) J
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010) J	ND(0.010) J
1,4-Dichlorobenzene	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010) J	ND(0.010) J
1-Naphthylamine	ND(0.010)	ND(0.010)
2,3,4,6-Tetrachlorophenol	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010) J	ND(0.010) J
2-Acetylaminofluorene	ND(0.010)	ND(0.010)
2-Chloronaphthalene	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010)	ND(0.010)
2-Naphthylamine	ND(0.010) J	ND(0.010) J
2-Nitroaniline	ND(0.050) J	ND(0.050) J
2-Nitrophenol	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010)	ND(0.010)
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.010)	ND(0.010)
3-Methylcholanthrene	ND(0.010) J	ND(0.010) J
3-Nitroaniline	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.010)	ND(0.010)
4-Chlorobenzilate	ND(0.010)	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/17/06	UB-MW-5 4/17-4/18/06
Semivolatile Organics (continued)		
4-Nitroaniline	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050) J	ND(0.050) J
4-Nitroquinoline-1-oxide	ND(0.010) J	ND(0.010) J
4-Phenylenediamine	ND(0.010)	ND(0.010)
5-Nitro-o-toluidine	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.010) J	ND(0.010) J
Acenaphthene	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010)	ND(0.010)
Acetophenone	ND(0.010)	ND(0.010)
Aniline	ND(0.010)	ND(0.010)
Anthracene	ND(0.010)	ND(0.010)
Aramite	ND(0.010)	ND(0.010)
Benzidine	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)
Benzo(g,h,i)perylene	ND(0.010)	ND(0.010)
Benzo(k)fluoranthene	ND(0.010)	ND(0.010)
Benzyl Alcohol	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060) J	ND(0.0060) J
Butylbenzylphthalate	ND(0.010) J	ND(0.010) J
Chrysene	ND(0.010)	ND(0.010)
Diallate	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	ND(0.010)
Diphenylamine	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	ND(0.010)
Hexachlorobenzene	ND(0.010)	ND(0.010)
Hexachlorobutadiene	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene	ND(0.010)	ND(0.010)
Hexachloroethane	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.020) J	ND(0.020) J
Hexachloropropene	ND(0.010)	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(0.010)
Isodrin	ND(0.010)	ND(0.010)
Isophorone	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010) J	ND(0.010) J
Methapyrilene	ND(0.010) J	ND(0.010) J
Methyl Methanesulfonate	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/17/06	UB-MW-5 4/17-4/18/06
Semivolatile Organics (continued)		
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)
N-Nitrosomorpholine	ND(0.010)	ND(0.010)
N-Nitrosopiperidine	ND(0.010)	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.010)
o-Toluidine	ND(0.010)	ND(0.010)
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.010)
Pentachlorobenzene	ND(0.010) J	ND(0.010) J
Pentachloroethane	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)
Pronamide	ND(0.010)	ND(0.010)
Pyrene	ND(0.010)	ND(0.010)
Pyridine	ND(0.010)	ND(0.010)
Safrole	ND(0.010) J	ND(0.010) J
Thionazin	ND(0.010)	ND(0.010)
Furans		
2,3,7,8-TCDF	ND(0.0000000034)	ND(0.0000000064)
TCDFs (total)	ND(0.000000011)	ND(0.000000017)
1,2,3,7,8-PeCDF	ND(0.0000000080)	ND(0.0000000060)
2,3,4,7,8-PeCDF	ND(0.0000000078)	ND(0.0000000059)
PeCDFs (total)	ND(0.0000000079)	ND(0.0000000059)
1,2,3,4,7,8-HxCDF	ND(0.000000011)	ND(0.0000000056)
1,2,3,6,7,8-HxCDF	ND(0.0000000096)	ND(0.0000000050)
1,2,3,7,8,9-HxCDF	ND(0.000000013)	ND(0.0000000067)
2,3,4,6,7,8-HxCDF	ND(0.000000011)	ND(0.0000000056)
HxCDFs (total)	ND(0.000000011)	ND(0.000000016)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000075)	ND(0.0000000061)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000097)	ND(0.0000000079)
HpCDFs (total)	ND(0.000000024)	ND(0.000000021)
OCDF	ND(0.000000024)	ND(0.000000017)
Dioxins		
2,3,7,8-TCDD	ND(0.0000000062)	ND(0.0000000044)
TCDDs (total)	ND(0.000000013)	ND(0.000000019)
1,2,3,7,8-PeCDD	ND(0.000000013)	ND(0.0000000096)
PeCDDs (total)	ND(0.000000013)	ND(0.0000000096)
1,2,3,4,7,8-HxCDD	ND(0.0000000090)	ND(0.0000000098)
1,2,3,6,7,8-HxCDD	ND(0.0000000083)	ND(0.0000000091)
1,2,3,7,8,9-HxCDD	ND(0.0000000091)	ND(0.0000000099)
HxCDDs (total)	ND(0.000000023)	ND(0.000000033)
1,2,3,4,6,7,8-HpCDD	ND(0.000000012)	ND(0.000000014)
HpCDDs (total)	ND(0.000000036)	ND(0.000000039)
OCDD	ND(0.000000037)	ND(0.000000037)
Total TEQs (WHO TEFs)	0.000000016	0.000000012

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/17/06	UB-MW-5 4/17-4/18/06
Inorganics-Unfiltered		
Antimony	NA	ND(0.0600)
Arsenic	NA	ND(0.0100)
Barium	NA	0.0370 B
Beryllium	NA	ND(0.00100)
Cadmium	NA	ND(0.00500)
Chromium	NA	0.00210 B
Cobalt	NA	0.000870 B
Copper	NA	0.00300 B
Cyanide-MADEP (PAC)	NA	ND(0.0100)
Lead	NA	ND(0.00500)
Mercury	NA	ND(0.000200)
Nickel	NA	0.00360 B
Selenium	NA	ND(0.00500) J
Silver	NA	ND(0.00500)
Sulfide	6.40	2.40 B
Thallium	NA	ND(0.0100)
Tin	NA	ND(0.0300)
Vanadium	NA	0.00230 B
Zinc	NA	0.0860 J
Inorganics-Filtered		
Antimony	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)
Barium	0.0170 B	0.0330 B
Beryllium	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)
Chromium	0.00230 B	0.00130 B
Cobalt	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)
Cyanide-MADEP (PAC)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00500)	ND(0.00500)
Mercury	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	0.00290 B
Selenium	0.00430 J	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)
Tin	ND(0.0300)	ND(0.0300)
Vanadium	ND(0.0500)	ND(0.0500)
Zinc	0.0100 J	0.0380 J

TABLE A-1
SPRING 2006 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA *4*
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

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

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.

Appendix B

Historical Groundwater Data

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an ARCADIS company

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/04/05	78-1 10/11/05	78-1 04/19/06
Volatile Organics					
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) {ND(0.005)}]
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050) {ND(0.001)}
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) {ND(0.001)}
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) {ND(0.001)}
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) {ND(0.001)}
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) {ND(0.001)}
Toluene	ND(0.0050)	0.0047 J	0.0019 J	0.0016 J	ND(0.0050) {ND(0.001)}
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) {ND(0.001)}
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020) J {ND(0.001)}
Total VOCs	ND(0.20)	0.0047 J	0.0019 J	0.0016 J	ND(0.20)
PCBs-Unfiltered					
Aroclor-1221	ND(0.00010)	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.00010)	ND(0.000065)	NA	NA	NA
Aroclor-1254	ND(0.00010)	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.00010)	ND(0.000065)	NA	NA	NA
Total PCBs	ND(0.00010)	ND(0.000065)	NA	NA	NA
PCBs-Filtered					
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065) {ND(0.000013)}
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065) {ND(0.000013)}
Aroclor-1254	NA	ND(0.000065)	ND(0.000065)	0.000090	0.00024 {0.000066J}
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065) {0.0001}
Total PCBs	NA	ND(0.000065)	ND(0.000065)	0.000090	0.00024 {0.00017J}
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J {ND(0.01)}
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J {ND(0.01)}
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J {ND(0.01)}
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060) J {ND(0.01)}
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J {ND(0.01)}
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J {ND(0.01)}
Phenol	ND(0.010)	ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.010) J {ND(0.01)}
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.00000000060)	ND(0.0000000011)	ND(0.0000000012)	0.0000000035 J	ND(0.0000000047)
TCDFs (total)	ND(0.00000000060)	ND(0.000000010) X	ND(0.0000000012)	0.0000000035 J	ND(0.000000010)
1,2,3,7,8-PeCDF	ND(0.0000000021)	ND(0.0000000013) XB	ND(0.0000000021)	ND(0.0000000048)	ND(0.0000000080)
2,3,4,7,8-PeCDF	ND(0.0000000020)	ND(0.0000000012)	ND(0.0000000021)	ND(0.0000000048)	ND(0.0000000078)
PeCDFs (total)	ND(0.0000000021)	ND(0.000000024)	ND(0.0000000021)	ND(0.0000000048)	ND(0.0000000079)
1,2,3,4,7,8-HxCDF	ND(0.0000000060)	ND(0.0000000021)	ND(0.0000000025)	ND(0.0000000048)	ND(0.000000011)
1,2,3,6,7,8-HxCDF	ND(0.0000000062)	ND(0.00000000080)	ND(0.0000000020)	ND(0.0000000048)	ND(0.0000000099)
1,2,3,7,8,9-HxCDF	ND(0.0000000059)	ND(0.00000000090)	ND(0.0000000027)	ND(0.0000000048)	ND(0.000000013)
2,3,4,6,7,8-HxCDF	ND(0.0000000064)	ND(0.00000000080)	ND(0.0000000024)	ND(0.0000000048)	ND(0.000000011)
HxCDFs (total)	ND(0.0000000064)	ND(0.0000000044)	ND(0.0000000027)	ND(0.0000000048)	ND(0.000000011)
1,2,3,4,6,7,8-HpCDF	ND(0.000000011)	ND(0.0000000013)	ND(0.0000000024)	ND(0.0000000048)	ND(0.0000000066)
1,2,3,4,7,8,9-HpCDF	ND(0.000000011)	ND(0.0000000017)	ND(0.0000000030)	ND(0.0000000048)	ND(0.0000000085)
HpCDFs (total)	ND(0.000000011)	ND(0.0000000015)	ND(0.0000000030)	ND(0.0000000048)	ND(0.000000016)
OCDF	ND(0.000000011)	ND(0.0000000032)	ND(0.0000000036)	ND(0.0000000096)	ND(0.000000020)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/04/05	78-1 10/11/05	78-1 04/19/06
Dioxins					
2,3,7,8-TCDD	ND(0.00000000090)	ND(0.0000000014)	ND(0.0000000019)	ND(0.0000000026)	ND(0.0000000056)
TCDDs (total)	ND(0.00000000090)	ND(0.0000000014)	ND(0.0000000019)	ND(0.0000000026)	ND(0.000000012)
1,2,3,7,8-PeCDD	ND(0.0000000071)	ND(0.0000000016)	ND(0.0000000032)	ND(0.0000000048)	ND(0.000000012)
PeCDDs (total)	ND(0.0000000071)	ND(0.0000000016)	ND(0.0000000032)	ND(0.0000000048)	ND(0.000000012)
1,2,3,4,7,8-HxCDD	ND(0.0000000069)	ND(0.0000000014)	ND(0.0000000040)	ND(0.0000000048)	ND(0.0000000079)
1,2,3,6,7,8-HxCDD	ND(0.0000000086)	ND(0.0000000014)	ND(0.0000000030)	ND(0.0000000048)	ND(0.0000000073)
1,2,3,7,8,9-HxCDD	ND(0.0000000077)	ND(0.0000000013)	ND(0.0000000033)	ND(0.0000000048)	ND(0.0000000080)
HxCDDs (total)	ND(0.0000000086)	ND(0.000000012) X	ND(0.0000000040)	ND(0.0000000048)	ND(0.000000025)
1,2,3,4,6,7,8-HpCDD	ND(0.000000013)	ND(0.0000000026)	ND(0.0000000045)	ND(0.0000000048)	ND(0.0000000096)
HpCDDs (total)	ND(0.000000013)	ND(0.0000000026)	ND(0.0000000045)	ND(0.0000000048)	ND(0.000000026)
OCDD	ND(0.000000017)	ND(0.0000000038) XB	ND(0.0000000076)	ND(0.000000022)	ND(0.000000033)
Total TEQs (WHO TEFs)	0.0000000071	0.0000000024	0.0000000042	0.0000000071	0.000000015
Inorganics-Unfiltered					
Antimony	ND(0.0600)	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.00600)	ND(0.0100)	NA	NA	NA
Barium	0.0250	0.0330 B	NA	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00600)	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0130)	ND(0.0100)	NA	NA	NA
Cobalt	ND(0.0600)	ND(0.0500)	NA	NA	NA
Copper	ND(0.0330)	0.00550 J	NA	NA	NA
Cyanide	ND(0.0200)	ND(0.0100)	NA	NA	NA
Lead	ND(0.130) J	ND(0.00500)	NA	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00600) J	ND(0.00500) J	NA	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	5.60 B
Thallium	ND(0.0130)	ND(0.0100) J	NA	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA	NA
Zinc	0.0290	0.0200	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600) {ND(0.0035)}
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100) {ND(0.033)}
Barium	NA	0.0260 J	0.0120 B	0.0220 B	0.0330 B {0.0293}
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100) {0.00021}
Cadmium	NA	ND(0.00500)	ND(0.00500)	0.00110 B	ND(0.00500) {ND(0.0008)}
Chromium	NA	ND(0.0100)	ND(0.0100)	ND(0.01)	0.000710 B {ND(0.0023)}
Cobalt	NA	ND(0.0500)	ND(0.0500)	0.00110 B	ND(0.0500) {ND(0.029)}
Copper	NA	0.00420 J	ND(0.0250)	0.00240 B	0.00220 B {ND(0.027)}
Cyanide	NA	NA	ND(0.0100)	ND(0.0100)	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	ND(0.0100) {ND(0.01)}
Lead	NA	ND(0.00500)	ND(0.0030)	ND(0.00300)	ND(0.00500) {ND(0.0024)}
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200) {ND(0.0001)}
Nickel	NA	ND(0.0400)	ND(0.0400)	0.00240 B	ND(0.0400) {ND(0.0033)}
Selenium	NA	ND(0.00500) J	ND(0.00500)	ND(0.00500)	ND(0.00500) {ND(0.0047)}
Silver	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) {0.0034J}
Thallium	NA	ND(0.0100) J	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Tin	NA	ND(0.100)	ND(0.0300)	ND(0.0300)	ND(0.0300) {0.005}
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500) {ND(0.0029)}
Zinc	NA	0.0160 B	0.0290	ND(0.02)	0.00310 B {0.0076}

TABLE B-1
OPCA GROUNDWATER MONITORING PROGRAM - SELECTED ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 06/16/99	78-6 05/03/01	78-6 04/01/05	78-6 10/11/05	78-6 04/19/06
Volatile Organics					
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [{R}]
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050) [{ND(.001)}]
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [{ND(.001)}]
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [{ND(.001)}]
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0011 J	ND(0.0050) [{ND(.001)}]
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [{ND(.001)}]
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [{ND(.001)}]
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [{ND(.001)}]
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020) [{ND(001)}]
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	0.0011 J	ND(0.20)
PCBs-Unfiltered					
Aroclor-1221	ND(0.000050)	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000050)	ND(0.000065)	NA	NA	NA
Aroclor-1254	ND(0.000050)	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.000050)	ND(0.000065)	NA	NA	NA
Total PCBs	ND(0.000050)	ND(0.000065)	NA	NA	NA
PCBs-Filtered					
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065) [{ND(.000013)}]
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065) [{ND(.000013)}]
Aroclor-1254	NA	ND(0.000065)	ND(0.000065)	0.000065 J	0.00079 [{ND(.000013)}]
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065) [{ND(.000013)}]
Total PCBs	NA	ND(0.000065)	ND(0.000065)	0.000065 J	0.00079 [{ND(.000013)}]
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J [{ND(.01)}]
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J [{ND(.01)}]
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J [{ND(.01)}]
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060) J [{ND(.01)}]
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J [{ND(.01)}]
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J [{ND(.01)}]
Phenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J [{ND(.01)}]
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.0000000032)	ND(0.00000000085) XB	ND(0.0000000014)	0.0000000026 J	ND(0.0000000049)
TCDFs (total)	ND(0.0000000032)	ND(0.0000000020)	ND(0.0000000014)	0.0000000026 J	ND(0.000000010)
1,2,3,7,8-PeCDF	ND(0.0000000079)	ND(0.00000000030)	ND(0.0000000023)	ND(0.0000000049)	ND(0.0000000063)
2,3,4,7,8-PeCDF	ND(0.0000000083)	ND(0.00000000066)	ND(0.0000000024)	ND(0.0000000049)	ND(0.0000000062)
PeCDFs (total)	ND(0.0000000083)	ND(0.0000000017)	ND(0.0000000024)	ND(0.0000000049)	ND(0.0000000063)
1,2,3,4,7,8-HxCDF	ND(0.0000000042)	ND(0.00000000083) XB	ND(0.0000000027)	ND(0.0000000049)	ND(0.000000013)
1,2,3,6,7,8-HxCDF	ND(0.0000000043)	ND(0.00000000030)	ND(0.0000000022)	ND(0.0000000049)	ND(0.000000011)
1,2,3,7,8,9-HxCDF	ND(0.0000000051)	ND(0.00000000030)	ND(0.0000000029)	ND(0.0000000049)	ND(0.000000015)
2,3,4,6,7,8-HxCDF	ND(0.0000000044)	ND(0.00000000030)	ND(0.0000000026)	ND(0.0000000049)	ND(0.000000013)
HxCDFs (total)	ND(0.0000000051)	ND(0.00000000083) X	ND(0.0000000029)	ND(0.0000000049)	ND(0.000000013)
1,2,3,4,6,7,8-HpCDF	ND(0.000000029)	ND(0.00000000050)	ND(0.0000000019)	ND(0.0000000049)	ND(0.0000000061)
1,2,3,4,7,8,9-HpCDF	ND(0.000000029)	ND(0.00000000060)	ND(0.0000000024)	ND(0.0000000049)	ND(0.0000000079)
HpCDFs (total)	ND(0.000000029)	ND(0.00000000050)	ND(0.0000000024)	ND(0.0000000049)	ND(0.000000015)
OCDF	ND(0.000000017)	ND(0.00000000090)	ND(0.0000000037)	ND(0.0000000098)	ND(0.000000022)

TABLE B-1
OPCA GROUNDWATER MONITORING PROGRAM - SELECTED ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 06/16/99	78-6 05/03/01	78-6 04/01/05	78-6 10/11/05	78-6 04/19/06
Dioxins					
2,3,7,8-TCDD	ND(0.0000000035)	ND(0.00000000040)	ND(0.0000000020)	ND(0.0000000022)	ND(0.0000000059)
TCDDs (total)	ND(0.0000000035)	ND(0.0000000010) X	ND(0.0000000020)	ND(0.0000000034)	ND(0.000000013)
1,2,3,7,8-PeCDD	ND(0.000000034)	ND(0.00000000040)	ND(0.0000000035)	ND(0.0000000049)	ND(0.000000010)
PeCDDs (total)	ND(0.000000034)	ND(0.0000000019) X	ND(0.0000000035)	ND(0.0000000049)	ND(0.000000010)
1,2,3,4,7,8-HxCDD	ND(0.000000014)	ND(0.00000000060)	ND(0.0000000040)	ND(0.0000000049)	ND(0.0000000092)
1,2,3,6,7,8-HxCDD	ND(0.000000017)	ND(0.00000000060)	ND(0.0000000031)	ND(0.0000000049)	ND(0.0000000085)
1,2,3,7,8,9-HxCDD	ND(0.000000015)	ND(0.00000000050)	ND(0.0000000033)	ND(0.0000000049)	ND(0.0000000093)
HxCDDs (total)	ND(0.000000017)	ND(0.0000000060) X	ND(0.0000000040)	ND(0.0000000049)	ND(0.000000024)
1,2,3,4,6,7,8-HpCDD	ND(0.000000029)	ND(0.00000000080)	ND(0.0000000035)	ND(0.0000000049)	ND(0.000000012)
HpCDDs (total)	ND(0.000000029)	ND(0.00000000080)	ND(0.0000000035)	ND(0.0000000049)	ND(0.000000026)
OCDD	ND(0.000000020)	ND(0.0000000079)	ND(0.0000000043)	ND(0.000000013)	ND(0.000000030)
Total TEQs (WHO TEFs)	0.000000025	0.00000000080	0.0000000046	0.0000000069	0.000000014
Inorganics-Unfiltered					
Antimony	ND(0.0600)	0.00250 J	NA	NA	NA
Arsenic	0.0320	0.0160	NA	NA	NA
Barium	0.0830	0.0960 B	NA	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00600) J	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0130)	0.00250 B	NA	NA	NA
Cobalt	ND(0.0600)	0.00480 B	NA	NA	NA
Copper	ND(0.0330)	ND(0.0100) J	NA	NA	NA
Cyanide	ND(0.0200)	ND(0.0100)	NA	NA	NA
Lead	ND(0.130) J	ND(0.00500) J	NA	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00600)	0.00490 B	NA	NA	NA
Silver	ND(0.0130)	0.0110 J	NA	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	8.80
Thallium	ND(0.0130)	ND(0.0100)	NA	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA	NA
Zinc	0.0330	0.0110 B	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	0.00370 J	ND(0.0600)	ND(0.0600)	ND(0.0600) [{ND(.0035)}]
Arsenic	NA	ND(0.0100)	ND(0.0100)	0.00540 B	ND(0.0100) [{0.0102}]
Barium	NA	0.0450 B	0.0470 B	0.0890 B	0.0620 B [{0.0765}]
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100) [{ND(.0002)}]
Cadmium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) [{ND(.0008)}]
Chromium	NA	0.00370 B	ND(0.0100)	ND(0.01)	ND(0.0100) [{ND(.0023)}]
Cobalt	NA	0.00370 B	ND(0.0500)	0.00240 B	0.00220 B [{ND(.0029)}]
Copper	NA	ND(0.0250)	ND(0.0250)	ND(0.0250)	ND(0.0250) [{ND(.0027)}]
Cyanide	NA	NA	0.00210 B	0.0110	0.0110
Cyanide-MADEP (PAC)	NA	NA	NA	NA	0.00230 B [{ND(.01)}]
Lead	NA	ND(0.00500) J	ND(0.0030)	ND(0.00300)	ND(0.00500) [{ND(.0024)}]
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200) [{ND(.0001)}]
Nickel	NA	ND(0.0400)	0.00170 B	ND(0.0400)	ND(0.0400) [{ND(.0033)}]
Selenium	NA	ND(0.00500)	ND(0.00500) J	ND(0.00500)	ND(0.00500) [{ND(.0047)}]
Silver	NA	ND(0.0100)	ND(0.00500)	ND(0.00500)	ND(0.00500) [{0.0034 J}]
Thallium	NA	ND(0.0100) J	ND(0.0100) J	ND(0.0100)	ND(0.0100) J
Tin	NA	ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300) [{ND(.004)}]
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500) [{ND(.0029)}]
Zinc	NA	0.0180 J	0.0300	ND(0.0200)	ND(0.0200) [{0.0067}]

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 06/16/99	H78B-15 05/03/01	H78B-15 04/04/05	H78B-15 10/17/05	H78B-15 04/19/06
Volatile Organics					
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered					
Aroclor-1221	ND(0.000050)	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000050)	ND(0.000065)	NA	NA	NA
Aroclor-1254	0.000035 J	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.000050)	ND(0.000065)	NA	NA	NA
Total PCBs	0.000035 J	ND(0.000065)	NA	NA	NA
PCBs-Filtered					
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	ND(0.000065)	0.000031 J	ND(0.000065)	0.00033
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	0.000031 J	ND(0.000065)	0.00033
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.0060)	ND(0.0060)	NA
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Phenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.0000000015)	ND(0.00000000040)	ND(0.0000000014)	ND(0.0000000019)	ND(0.0000000068)
TCDFs (total)	ND(0.0000000015)	ND(0.0000000012)	ND(0.0000000021)	ND(0.0000000019)	ND(0.000000011)
1,2,3,7,8-PeCDF	ND(0.0000000036)	ND(0.00000000038)	ND(0.0000000024)	ND(0.0000000050)	ND(0.0000000074)
2,3,4,7,8-PeCDF	ND(0.0000000034)	ND(0.00000000055) XB	ND(0.0000000024)	ND(0.0000000050)	ND(0.0000000072)
PeCDFs (total)	ND(0.0000000036)	ND(0.0000000013)	ND(0.0000000024)	ND(0.0000000050)	ND(0.0000000073)
1,2,3,4,7,8-HxCDF	ND(0.0000000017)	ND(0.0000000015) XB	ND(0.0000000026)	ND(0.0000000050)	ND(0.000000012)
1,2,3,6,7,8-HxCDF	ND(0.0000000017)	ND(0.00000000040)	ND(0.0000000021)	ND(0.0000000050)	ND(0.000000010)
1,2,3,7,8,9-HxCDF	ND(0.0000000023)	ND(0.00000000050)	ND(0.0000000028)	ND(0.0000000050)	ND(0.000000014)
2,3,4,6,7,8-HxCDF	ND(0.0000000018)	ND(0.00000000040)	ND(0.0000000025)	ND(0.0000000050)	ND(0.000000011)
HxCDFs (total)	ND(0.0000000023)	ND(0.00000000058)	ND(0.0000000028)	ND(0.0000000050)	ND(0.000000012)
1,2,3,4,6,7,8-HpCDF	ND(0.000000032)	ND(0.00000000060)	ND(0.0000000025)	ND(0.0000000050)	ND(0.0000000082)
1,2,3,4,7,8,9-HpCDF	ND(0.000000015)	ND(0.00000000086) XB	ND(0.0000000032)	ND(0.0000000050)	ND(0.000000011)
HpCDFs (total)	ND(0.000000032)	ND(0.00000000086) X	ND(0.0000000032)	ND(0.0000000050)	ND(0.000000015)
OCDF	ND(0.0000000076)	ND(0.0000000026)	ND(0.0000000040)	ND(0.0000000099)	ND(0.000000024)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 06/16/99	H78B-15 05/03/01	H78B-15 04/04/05	H78B-15 10/17/05	H78B-15 04/19/06
Dioxins					
2,3,7,8-TCDD	ND(0.0000000035)	ND(0.0000000017) XB	ND(0.0000000020)	ND(0.0000000024)	ND(0.0000000056)
TCDDs (total)	ND(0.0000000035)	ND(0.0000000031) X	ND(0.0000000020)	ND(0.0000000024)	ND(0.000000012)
1,2,3,7,8-PeCDD	ND(0.0000000071)	ND(0.00000000060)	ND(0.0000000038)	ND(0.0000000050)	ND(0.000000012)
PeCDDs (total)	ND(0.0000000071)	ND(0.0000000018) X	ND(0.0000000038)	ND(0.0000000050)	ND(0.000000012)
1,2,3,4,7,8-HxCDD	ND(0.0000000056)	ND(0.00000000080)	ND(0.0000000041)	ND(0.0000000050)	ND(0.0000000092)
1,2,3,6,7,8-HxCDD	ND(0.0000000070)	ND(0.0000000012)	ND(0.0000000031)	ND(0.0000000050)	ND(0.0000000084)
1,2,3,7,8,9-HxCDD	ND(0.0000000062)	ND(0.00000000095) XB	ND(0.0000000034)	ND(0.0000000050)	ND(0.0000000093)
HxCDDs (total)	ND(0.0000000070)	0.0000000032	ND(0.0000000041)	ND(0.0000000050)	ND(0.000000027)
1,2,3,4,6,7,8-HpCDD	ND(0.000000011)	0.0000000052 JB	ND(0.0000000044)	ND(0.0000000050)	0.000000034 J
HpCDDs (total)	ND(0.000000011)	ND(0.0000000052)	ND(0.0000000044)	ND(0.0000000050)	0.000000034 J
OCDD	ND(0.0000000090)	ND(0.0000000077)	ND(0.0000000053)	ND(0.000000011)	ND(0.000000030)
Total TEQs (WHO TEFs)	0.0000000079	0.0000000017	0.0000000047	0.0000000070	0.000000015
Inorganics-Unfiltered					
Antimony	ND(0.0600)	0.00290 J	NA	NA	NA
Arsenic	ND(0.00600)	ND(0.0100)	NA	NA	NA
Barium	0.0570	0.00430 B	NA	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00600) J	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0130)	0.00290 B	NA	NA	NA
Cobalt	ND(0.0600)	ND(0.0500)	NA	NA	NA
Copper	ND(0.0330)	0.00910 B	NA	NA	NA
Cyanide	ND(0.0200)	ND(0.0100)	NA	NA	NA
Lead	ND(0.130) J	ND(0.00500) J	NA	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00600)	ND(0.00500)	NA	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	7.20 B
Thallium	ND(0.0130)	ND(0.0100) J	NA	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA	NA
Zinc	0.0830	0.0110 J	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	ND(0.0100) J	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	NA	0.00460 B	0.0680 B	0.0180 B	0.0690 B
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)	0.000790 B
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	0.00610 B	ND(0.0250)	0.00280 B	0.00210 B
Cyanide	NA	NA	0.0140	0.00480 B	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	0.00180 B
Lead	NA	ND(0.00500) J	ND(0.00300)	ND(0.003)	ND(0.00500)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)	0.0000200 B
Nickel	NA	ND(0.0400)	0.00150 B	ND(0.0400)	ND(0.0400)
Selenium	NA	ND(0.00500)	ND(0.00500) J	ND(0.00500) J	ND(0.00500)
Silver	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	NA	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Tin	NA	ND(0.0300)	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0180 J	0.0150 B	ND(0.02)	ND(0.0200)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 06/16/99	OPCA-MW-1 05/02/01	OPCA-MW-1 04/04/05	OPCA-MW-1 10/12/05
Volatile Organics				
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) J
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	0.0017 J	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	0.0017 J	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	ND(0.000050)	ND(0.000065)	NA	NA
Aroclor-1248	ND(0.000050)	ND(0.000065)	NA	NA
Aroclor-1254	0.000054	ND(0.000065)	NA	NA
Aroclor-1260	ND(0.000050)	ND(0.000065)	NA	NA
Total PCBs	0.000054	ND(0.000065)	NA	NA
PCBs-Filtered				
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	ND(0.000065)	0.00021	0.00069
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	0.00021	0.00069
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.012)	ND(0.010)	ND(0.010)	ND(0.010) J
2,4-Dimethylphenol	ND(0.012)	ND(0.010)	ND(0.010)	R
Acenaphthene	ND(0.012)	ND(0.010)	ND(0.010)	ND(0.010) J
bis(2-Ethylhexyl)phthalate	ND(0.012)	ND(0.010)	ND(0.0060)	ND(0.0060)
Dibenzofuran	ND(0.012)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.012)	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	ND(0.012)	ND(0.010)	ND(0.010)	R
Organochlorine Pesticides				
None Detected	NA	NA	NA	NA
Organophosphate Pesticides				
None Detected	NA	NA	NA	NA
Herbicides				
None Detected	NA	NA	NA	NA
Furans				
2,3,7,8-TCDF	ND(0.0000000011)	ND(0.0000000013)	ND(0.0000000025)	0.0000000026 J
TCDFs (total)	0.0000000090 J	ND(0.0000000013)	0.0000000053	0.0000000026 J
1,2,3,7,8-PeCDF	ND(0.0000000025)	ND0.0000000037)	ND(0.0000000025)	ND(0.0000000049)
2,3,4,7,8-PeCDF	ND(0.0000000024)	ND(0.0000000015)	ND(0.0000000025)	ND(0.0000000049)
PeCDFs (total)	ND(0.0000000025)	ND(0.0000000037)	ND(0.0000000028)	ND(0.0000000049)
1,2,3,4,7,8-HxCDF	ND(0.0000000011)	ND(0.0000000025)	ND(0.0000000027)	ND(0.0000000049)
1,2,3,6,7,8-HxCDF	ND(0.0000000011)	ND(0.0000000015)	ND(0.0000000022)	ND(0.0000000049)
1,2,3,7,8,9-HxCDF	ND(0.0000000016)	ND(0.0000000021)	ND(0.0000000029)	ND(0.0000000049)
2,3,4,6,7,8-HxCDF	ND(0.0000000012)	ND(0.00000000090)	ND(0.0000000026)	ND(0.0000000049)
HxCDFs (total)	ND(0.0000000016)	ND(0.0000000046)	ND(0.0000000029)	ND(0.0000000049)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000073)	ND(0.0000000025)	ND(0.0000000026)	ND(0.0000000049)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000090)	ND(0.0000000015)	ND(0.0000000027)	ND(0.0000000049)
HpCDFs (total)	0.0000000078 J	ND(0.0000000025)	ND(0.0000000027)	ND(0.0000000049)
OCDF	ND(0.0000000037)	ND(0.0000000046)	ND(0.0000000035)	ND(0.0000000098)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 06/16/99	OPCA-MW-1 05/02/01	OPCA-MW-1 04/04/05	OPCA-MW-1 10/12/05
Dioxins				
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000018)	ND(0.0000000019)	ND(0.0000000025)
TCDDs (total)	ND(0.0000000012)	ND(0.0000000018)	ND(0.0000000019)	ND(0.0000000025)
1,2,3,7,8-PeCDD	ND(0.0000000046)	ND(0.0000000015)	ND(0.0000000037)	ND(0.0000000049)
PeCDDs (total)	ND(0.0000000046)	ND(0.0000000015)	ND(0.0000000037)	ND(0.0000000049)
1,2,3,4,7,8-HxCDD	ND(0.0000000034)	ND(0.0000000012)	ND(0.0000000035)	ND(0.0000000049)
1,2,3,6,7,8-HxCDD	ND(0.0000000042)	ND(0.0000000013)	ND(0.0000000027)	ND(0.0000000049)
1,2,3,7,8,9-HxCDD	ND(0.0000000038)	ND(0.0000000012)	ND(0.0000000029)	ND(0.0000000049)
HxCDDs (total)	ND(0.0000000042)	ND(0.0000000025)	ND(0.0000000035)	ND(0.0000000049)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000070)	ND(0.0000000045)	ND(0.0000000041)	ND(0.0000000049)
HpCDDs (total)	ND(0.0000000070)	ND(0.0000000045)	ND(0.0000000041)	ND(0.0000000049)
OCDD	ND(0.0000000044)	ND(0.000000029)	ND(0.0000000075)	ND(0.000000016)
Total TEQs (WHO TEFs)	0.0000000046	0.0000000028	0.0000000046	0.0000000071
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	NA	NA
Arsenic	ND(0.00600)	0.00450 B	NA	NA
Barium	0.0620	0.0240 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)	0.000350 B	NA	NA
Copper	ND(0.0330)	ND(0.0250)	NA	NA
Cyanide	ND(0.0200)	ND(0.0100)	NA	NA
Lead	ND(0.130) J	ND(0.0050) 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)	ND(0.00500)	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)
Thallium	ND(0.0130)	ND(0.010) J	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA
Zinc	ND(0.0260)	0.028 J	NA	NA
Inorganics-Filtered				
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	NA	0.0230 B	0.0160 B	0.0210 B
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	NA	ND(0.025) J	ND(0.0100)	ND(0.01)
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	0.00420 B	ND(0.0250)	ND(0.0250)
Cyanide	NA	NA	ND(0.0100)	ND(0.0100)
Cyanide-MADEP (PAC)	NA	NA	NA	NA
Lead	NA	ND(0.0050) J	ND(0.00300)	ND(0.00300)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	NA	ND(0.00500)	ND(0.00500) J	ND(0.00500)
Silver	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	NA	ND(0.010) J	ND(0.0100) J	ND(0.0100)
Tin	NA	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.028 J	0.0130 B	ND(0.02)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 04/18/06	OPCA-MW-2 06/15/99	OPCA-MW-2 05/02/01
Volatile Organics			
Acetone	ND(0.010) [ND(0.010)]	ND(0.10) [ND(0.10)]	ND(0.010)
Carbon Disulfide	ND(0.0050) [ND(0.0050)]	ND(0.010) [ND(0.010)]	ND(0.0050)
Chlorobenzene	ND(0.0050) [ND(0.0050)]	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chloromethane	ND(0.0050) [ND(0.0050)]	ND(0.010) [ND(0.010)]	ND(0.0050)
Dibromomethane	ND(0.0050) [ND(0.0050)]	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methylene Chloride	ND(0.0050) [ND(0.0050)]	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Toluene	ND(0.0050) [ND(0.0050)]	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene	ND(0.0050) J [ND(0.0050)]	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Vinyl Chloride	ND(0.0020) [ND(0.0020)]	ND(0.010) [ND(0.010)]	ND(0.0020)
Total VOCs	ND(0.20) [ND(0.20)]	ND(0.20) [ND(0.20)]	ND(0.20)
PCBs-Unfiltered			
Aroclor-1221	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)
Aroclor-1248	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)
Aroclor-1254	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)
Aroclor-1260	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)
Total PCBs	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)
PCBs-Filtered			
Aroclor-1221	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)
Aroclor-1248	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)
Aroclor-1254	0.0010 [0.00088]	NA	ND(0.000065)
Aroclor-1260	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)
Total PCBs	0.0010 [0.00088]	NA	ND(0.000065)
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010) [ND(0.010)]	ND(0.010)
2,4-Dimethylphenol	ND(0.010) [ND(0.010)]	ND(0.010) [ND(0.010)]	ND(0.010)
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010) [ND(0.010)]	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060) J [ND(0.0060) J]	ND(0.010) [ND(0.010)]	ND(0.0060)
Dibenzofuran	ND(0.010) [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)]	ND(0.010)
Phenol	ND(0.010) [ND(0.010)]	ND(0.010) [ND(0.010)]	ND(0.010)
Organochlorine Pesticides			
None Detected	NA	NA	NA
Organophosphate Pesticides			
None Detected	NA	NA	NA
Herbicides			
None Detected	NA	NA	NA
Furans			
2,3,7,8-TCDF	ND(0.0000000064) [ND(0.0000000053)]	ND(0.00000000080) [ND(0.00000000060)]	ND(0.0000000013)
TCDFs (total)	ND(0.000000016) [ND(0.000000010)]	ND(0.00000000080) [ND(0.00000000060)]	ND(0.0000000013)
1,2,3,7,8-PeCDF	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000038) [ND(0.0000000021)]	ND(0.0000000020)
2,3,4,7,8-PeCDF	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000040) [ND(0.0000000023)]	ND(0.0000000020)
PeCDFs (total)	ND(0.0000000061) [ND(0.0000000056)]	ND(0.0000000040) [ND(0.0000000023)]	ND(0.0000000020)
1,2,3,4,7,8-HxCDF	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011) [ND(0.0000000051)]	ND(0.0000000022)
1,2,3,6,7,8-HxCDF	ND(0.0000000095) [ND(0.0000000087)]	ND(0.000000011) [ND(0.0000000052)]	ND(0.0000000010)
1,2,3,7,8,9-HxCDF	ND(0.000000013) [ND(0.000000012)]	ND(0.000000017) [ND(0.0000000049)]	ND(0.0000000014)
2,3,4,6,7,8-HxCDF	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000011) [ND(0.0000000054)]	ND(0.0000000012)
HxCDFs (total)	ND(0.000000011) [ND(0.0000000099)]	ND(0.000000017) [ND(0.0000000054)]	ND(0.0000000022)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000061) [ND(0.0000000056)]	ND(0.000000048) [ND(0.000000011)]	ND(0.0000000018)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000067) [ND(0.0000000064)]	ND(0.000000031) [ND(0.000000013)]	ND(0.0000000022)
HpCDFs (total)	ND(0.000000014) [ND(0.000000016)]	ND(0.000000048) [0.000000013 J]	ND(0.0000000020)
OCDF	ND(0.000000022) [ND(0.000000020)]	ND(0.000000022) [ND(0.000000010)]	ND(0.0000000043)

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OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-1 04/18/06	OPCA-MW-2 06/15/99	OPCA-MW-2 05/02/01
Dioxins			
2,3,7,8-TCDD	ND(0.0000000064) [ND(0.0000000053)]	ND(0.0000000015) [ND(0.0000000011)]	ND(0.0000000017)
TCDDs (total)	ND(0.000000018) [ND(0.000000011)]	ND(0.0000000015) [ND(0.0000000011)]	ND(0.0000000017)
1,2,3,7,8-PeCDD	ND(0.0000000086) [ND(0.0000000083)]	ND(0.000000015) [ND(0.0000000076)]	ND(0.0000000018)
PeCDDs (total)	ND(0.0000000086) [ND(0.0000000083)]	ND(0.000000015) [ND(0.0000000076)]	ND(0.0000000018)
1,2,3,4,7,8-HxCDD	ND(0.0000000088) [ND(0.0000000069)]	ND(0.000000014) [ND(0.0000000068)]	ND(0.0000000017)
1,2,3,6,7,8-HxCDD	ND(0.0000000081) [ND(0.0000000064)]	ND(0.000000017) [ND(0.0000000085)]	ND(0.0000000017)
1,2,3,7,8,9-HxCDD	ND(0.0000000089) [ND(0.0000000070)]	ND(0.000000015) [ND(0.0000000076)]	ND(0.0000000017)
HxCDDs (total)	ND(0.000000020) [ND(0.000000025)]	ND(0.000000017) [ND(0.0000000085)]	ND(0.0000000017)
1,2,3,4,6,7,8-HpCDD	ND(0.000000013) [ND(0.000000010)]	ND(0.000000036) [ND(0.000000013)]	ND(0.0000000031)
HpCDDs (total)	ND(0.000000023) [ND(0.000000027)]	ND(0.000000036) [ND(0.000000013)]	ND(0.0000000031)
OCDD	ND(0.000000032) [ND(0.000000035)]	ND(0.000000033) [ND(0.000000015)]	ND(0.000000012)
Total TEQs (WHO TEFs)	0.000000013 [0.000000012]	0.000000015 [0.0000000074]	0.0000000029
Inorganics-Unfiltered			
Antimony	NA	ND(0.0600) [ND(0.0600)]	ND(0.0600)
Arsenic	NA	ND(0.00600) [ND(0.00600)]	ND(0.0100)
Barium	NA	0.0320 [0.0340]	0.0190 B
Beryllium	NA	ND(0.00600) [ND(0.00600)]	ND(0.00100)
Cadmium	NA	ND(0.00600) [ND(0.00600)]	ND(0.00500)
Chromium	NA	ND(0.0130) [ND(0.0130)]	ND(0.025) J
Cobalt	NA	ND(0.0600) [ND(0.0600)]	ND(0.0500)
Copper	NA	ND(0.0330) [ND(0.0330)]	ND(0.0250)
Cyanide	NA	ND(0.0200) [ND(0.0200)]	ND(0.0100)
Lead	NA	ND(0.130) J [ND(0.130) J]	ND(0.0050) J
Mercury	NA	ND(0.000500) [ND(0.000500)]	ND(0.000200)
Nickel	NA	ND(0.0600) [ND(0.0600)]	ND(0.0400)
Selenium	NA	ND(0.00600) J [ND(0.00600) J]	0.00890
Silver	NA	ND(0.0130) [ND(0.0130)]	ND(0.00500)
Sulfide	6.40 B [4.80 B]	ND(5.00) [ND(5.00)]	ND(5.00)
Thallium	NA	ND(0.0130) [ND(0.0130)]	ND(0.010) J
Vanadium	NA	ND(0.0600) [ND(0.0600)]	ND(0.0500)
Zinc	NA	ND(0.0260) [ND(0.0260)]	0.016 BJ
Inorganics-Filtered			
Antimony	ND(0.0600) [ND(0.0600)]	NA	ND(0.0600)
Arsenic	ND(0.0100) [ND(0.0100)]	NA	ND(0.0100)
Barium	0.0210 B [0.0200 B]	NA	0.0180 B
Beryllium	ND(0.00100) [ND(0.00100)]	NA	ND(0.00100)
Cadmium	ND(0.00500) [ND(0.00500)]	NA	ND(0.00500)
Chromium	ND(0.0100) [ND(0.0100)]	NA	ND(0.025) J
Cobalt	ND(0.0500) [ND(0.0500)]	NA	ND(0.0500)
Copper	ND(0.0250) [ND(0.0250)]	NA	ND(0.0250)
Cyanide	NA	NA	NA
Cyanide-MADEP (PAC)	ND(0.0100) [ND(0.0100)]	NA	NA
Lead	ND(0.00500) [ND(0.00500)]	NA	ND(0.0050) J
Mercury	ND(0.000200) [ND(0.000200)]	NA	ND(0.000200)
Nickel	ND(0.0400) [ND(0.0400)]	NA	ND(0.0400)
Selenium	ND(0.00500) [ND(0.00500)]	NA	ND(0.00500)
Silver	ND(0.00500) [ND(0.00500)]	NA	ND(0.00500)
Thallium	ND(0.0100) [ND(0.0100)]	NA	ND(0.010) J
Tin	ND(0.0300) [ND(0.0300)]	NA	ND(0.0300)
Vanadium	ND(0.0500) [ND(0.0500)]	NA	ND(0.0500)
Zinc	ND(0.0200) J [ND(0.0200) J]	NA	0.020 BJ

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OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/05/05	OPCA-MW-2 10/12/05	OPCA-MW-2 04/18/06
Volatile Organics			
Acetone	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Carbon Disulfide	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	0.0028 J
Chloromethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Toluene	0.0025 J	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020) [ND(0.0020)]	ND(0.0020)
Total VOCs	0.0025 J	ND(0.20) [ND(0.20)]	0.0028 J
PCBs-Unfiltered			
Aroclor-1221	NA	NA	NA
Aroclor-1248	NA	NA	NA
Aroclor-1254	NA	NA	NA
Aroclor-1260	NA	NA	NA
Total PCBs	NA	NA	NA
PCBs-Filtered			
Aroclor-1221	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065) J
Aroclor-1248	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065) J
Aroclor-1254	0.000062 J	0.00012 J [0.00019 J]	ND(0.000075) J
Aroclor-1260	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065) J
Total PCBs	0.000062 J	0.00012 J [0.00019 J]	ND(0.000075) J
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(0.010) J	0.0016 J [ND(0.010) J]	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Acenaphthene	ND(0.010) J	ND(0.010) [ND(0.010) J]	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060) [ND(0.0060) J]	ND(0.0060) J
Dibenzofuran	ND(0.010)	ND(0.010) [ND(0.010) J]	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010) [ND(0.010) J]	ND(0.010)
Phenol	ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.010)
Organochlorine Pesticides			
None Detected	NA	NA	NA
Organophosphate Pesticides			
None Detected	NA	NA	NA
Herbicides			
None Detected	NA	NA	NA
Furans			
2,3,7,8-TCDF	ND(0.0000000019)	0.0000000031 J [0.0000000032 J]	ND(0.0000000071)
TCDFs (total)	ND(0.0000000019)	0.0000000031 J [0.0000000032 J]	ND(0.000000014)
1,2,3,7,8-PeCDF	ND(0.0000000046)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000089)
2,3,4,7,8-PeCDF	ND(0.0000000047)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000087)
PeCDFs (total)	ND(0.0000000047)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000088)
1,2,3,4,7,8-HxCDF	ND(0.0000000045)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000011)
1,2,3,6,7,8-HxCDF	ND(0.0000000037)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000099)
1,2,3,7,8,9-HxCDF	ND(0.0000000049)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000013)
2,3,4,6,7,8-HxCDF	ND(0.0000000044)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000011)
HxCDFs (total)	ND(0.0000000049)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000011)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000044)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000066)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000056)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000085)
HpCDFs (total)	ND(0.0000000056)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000023)
OCDF	ND(0.0000000085)	ND(0.000000010) [ND(0.000000010)]	ND(0.000000035)

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OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/05/05	OPCA-MW-2 10/12/05	OPCA-MW-2 04/18/06
Dioxins			
2,3,7,8-TCDD	ND(0.0000000030)	ND(0.0000000020) [ND(0.0000000026)]	ND(0.0000000051)
TCDDs (total)	ND(0.0000000030)	ND(0.0000000032) [ND(0.0000000026)]	ND(0.000000016)
1,2,3,7,8-PeCDD	ND(0.0000000063)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000072)
PeCDDs (total)	ND(0.0000000063)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000016)
1,2,3,4,7,8-HxCDD	ND(0.0000000065)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000077)
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000071)
1,2,3,7,8,9-HxCDD	ND(0.0000000054)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.0000000078)
HxCDDs (total)	ND(0.0000000065)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000023)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000081)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000020)
HpCDDs (total)	ND(0.0000000081)	ND(0.0000000050) [ND(0.0000000050)]	ND(0.000000043)
OCDD	ND(0.000000012)	ND(0.000000029) [ND(0.000000026)]	ND(0.000000046)
Total TEQs (WHO TEFs)	0.0000000078	0.0000000070 [0.0000000073]	0.000000012
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
Cyanide	NA	NA	NA
Lead	NA	NA	NA
Mercury	NA	NA	NA
Nickel	NA	NA	NA
Selenium	NA	NA	NA
Silver	NA	NA	NA
Sulfide	ND(5.0)	ND(5.00) [ND(5.00)]	4.80 B
Thallium	NA	NA	NA
Vanadium	NA	NA	NA
Zinc	NA	NA	NA
Inorganics-Filtered			
Antimony	ND(0.0600)	ND(0.0600) [ND(0.0600)]	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Barium	0.0150 B	0.0230 B [0.0210 B]	0.0180 B
Beryllium	ND(0.00100)	ND(0.00100) [ND(0.00100)]	ND(0.00100)
Cadmium	ND(0.00500)	0.00120 B [ND(0.00500)]	ND(0.00500)
Chromium	ND(0.0100)	ND(0.01) [ND(0.0100)]	ND(0.0100)
Cobalt	ND(0.0500)	0.00100 B [ND(0.0500)]	ND(0.0500)
Copper	ND(0.025)	0.00160 B [ND(0.0250)]	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100) [ND(0.0100)]	NA
Cyanide-MADEP (PAC)	NA	NA	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300) [ND(0.00300)]	ND(0.00500)
Mercury	ND(0.000200)	ND(0.000200) [ND(0.000200)]	ND(0.000200)
Nickel	ND(0.0400)	0.00230 B [ND(0.0400)]	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Tin	ND(0.0300)	ND(0.0300) [ND(0.0300)]	ND(0.0300)
Vanadium	ND(0.0500)	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc	0.0210	ND(0.02) [ND(0.02)]	ND(0.0200) J

TABLE B-1
OPCA GROUNDWATER MONITORING PROGRAM - SELECTED ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/05/05	OPCA-MW-3 10/12/05	OPCA-MW-3 04/18/06
Volatile Organics					
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	0.00055 J	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	0.00055 J	ND(0.20)
PCBs-Unfiltered					
Aroclor-1221	ND(0.000051)	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000051)	ND(0.000065)	NA	NA	NA
Aroclor-1254	0.000040 J	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.000051)	ND(0.000065)	NA	NA	NA
Total PCBs	0.000040 J	ND(0.000065)	NA	NA	NA
PCBs-Filtered					
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	R	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	R	ND(0.000065)
Aroclor-1254	NA	ND(0.000065)	0.000052 J	0.000047 J	0.00018
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	R	ND(0.000065)
Total PCBs	NA	ND(0.000065)	0.000052 J	0.000047 J	0.00018
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.011)	ND(0.010)	ND(0.010)	R	ND(0.010)
Acenaphthene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.011)	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060) J
Dibenzofuran	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	ND(0.011)	ND(0.010)	ND(0.010)	R	ND(0.010)
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.0000000035)	ND(0.0000000011)	ND(0.0000000011)	0.0000000024 J	ND(0.0000000060)
TCDFs (total)	ND(0.0000000035)	ND(0.0000000011)	ND(0.0000000011)	0.0000000024 J	ND(0.000000010)
1,2,3,7,8-PeCDF	ND(0.0000000041)	ND(0.0000000016)	ND(0.0000000022)	ND(0.0000000049)	ND(0.0000000090)
2,3,4,7,8-PeCDF	ND(0.0000000039)	ND(0.0000000016)	ND(0.0000000022)	ND(0.0000000049)	ND(0.0000000088)
PeCDFs (total)	ND(0.0000000041)	ND(0.0000000016)	ND(0.0000000022)	ND(0.0000000049)	ND(0.0000000089)
1,2,3,4,7,8-HxCDF	ND(0.0000000013)	ND(0.0000000010)	ND(0.0000000018)	ND(0.0000000049)	ND(0.000000013)
1,2,3,6,7,8-HxCDF	ND(0.0000000013)	ND(0.0000000010)	ND(0.0000000015)	ND(0.0000000049)	ND(0.000000012)
1,2,3,7,8,9-HxCDF	ND(0.0000000018)	ND(0.0000000013)	ND(0.0000000020)	ND(0.0000000049)	ND(0.000000016)
2,3,4,6,7,8-HxCDF	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000018)	ND(0.0000000049)	ND(0.000000013)
HxCDFs (total)	ND(0.0000000018)	ND(0.0000000011)	ND(0.0000000020)	ND(0.0000000049)	ND(0.000000013)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000080)	ND(0.0000000014)	ND(0.0000000017)	ND(0.0000000049)	ND(0.0000000073)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000099)	ND(0.0000000017)	ND(0.0000000022)	ND(0.0000000049)	ND(0.0000000095)
HpCDFs (total)	ND(0.0000000099)	ND(0.0000000015)	ND(0.0000000022)	ND(0.0000000049)	ND(0.000000015)
OCDF	ND(0.0000000041)	ND(0.0000000031)	ND(0.0000000038)	ND(0.0000000098)	ND(0.000000018)

TABLE B-1
OPCA GROUNDWATER MONITORING PROGRAM - SELECTED ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/05/05	OPCA-MW-3 10/12/05	OPCA-MW-3 04/18/06
Dioxins					
2,3,7,8-TCDD	ND(0.0000000020)	ND(0.0000000016)	ND(0.0000000019)	ND(0.0000000024)	ND(0.0000000062)
TCDDs (total)	ND(0.0000000020)	ND(0.0000000016)	ND(0.0000000019)	ND(0.0000000030)	ND(0.000000013)
1,2,3,7,8-PeCDD	ND(0.0000000089)	ND(0.0000000018)	ND(0.0000000033)	ND(0.0000000049)	ND(0.0000000055)
PeCDDs (total)	ND(0.0000000089)	ND(0.0000000018)	ND(0.0000000033)	ND(0.0000000049)	ND(0.000000014)
1,2,3,4,7,8-HxCDD	ND(0.0000000058)	ND(0.0000000016)	ND(0.0000000034)	ND(0.0000000049)	ND(0.0000000082)
1,2,3,6,7,8-HxCDD	ND(0.0000000072)	ND(0.0000000017)	ND(0.0000000026)	ND(0.0000000049)	ND(0.0000000076)
1,2,3,7,8,9-HxCDD	ND(0.0000000064)	ND(0.0000000016)	ND(0.0000000029)	ND(0.0000000049)	ND(0.0000000083)
HxCDDs (total)	ND(0.0000000072)	ND(0.0000000016)	ND(0.0000000034)	ND(0.0000000049)	ND(0.000000022)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000077)	ND(0.0000000025)	ND(0.0000000035)	ND(0.0000000049)	ND(0.000000016)
HpCDDs (total)	ND(0.0000000077)	ND(0.0000000025)	ND(0.0000000035)	ND(0.0000000049)	ND(0.000000024)
OCDD	ND(0.0000000048)	ND(0.000000010)	ND(0.0000000043)	ND(0.000000022)	ND(0.000000025)
Total TEQs (WHO TEFs)	0.0000000081	0.0000000027	0.0000000041	0.0000000070	0.000000013
Inorganics-Unfiltered					
Antimony	ND(0.0600)	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.00600)	0.00420 B	NA	NA	NA
Barium	0.00950	0.0760 B	NA	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00600) J	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0130)	ND(0.025) J	NA	NA	NA
Cobalt	ND(0.0600)	ND(0.0500)	NA	NA	NA
Copper	ND(0.0330)	0.00610 B	NA	NA	NA
Cyanide	ND(0.0200)	ND(0.0100)	NA	NA	NA
Lead	ND(0.130) J	ND(0.0050) J	NA	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00600)	0.00540	NA	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	ND(5.00)
Thallium	ND(0.0130)	ND(0.010) J	NA	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA	NA
Zinc	0.0880	0.035 J	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	NA	0.0700 B	0.0580 B	0.0940 B	0.0380 B
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500)	ND(0.00500)	0.000810 B	ND(0.00500)
Chromium	NA	ND(0.025) J	ND(0.0100)	0.000630 B	ND(0.0100)
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	0.00440 B
Copper	NA	0.00660 B	ND(0.025)	0.00190 B	0.00140 B
Cyanide	NA	NA	ND(0.0100)	ND(0.01)	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	ND(0.0100)
Lead	NA	ND(0.0050) J	ND(0.00300)	ND(0.00300)	ND(0.00500)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	0.00170 B	ND(0.04)	0.00200 B
Selenium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500)
Thallium	NA	ND(0.010) J	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.017 J	0.0320	ND(0.0200)	ND(0.0200) J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 06/15/99	OPCA-MW-4 05/02/01	OPCA-MW-4 10/30/01	OPCA-MW-4 04/05/05
Volatile Organics				
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010) [0.0046 J]
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) [0.00086 J]
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0050 [0.0088]
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0013 J [0.0013 J]
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020) [ND(0.0020)]
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	0.0063 J [0.016 J]
PCBs-Unfiltered				
Aroclor-1221	ND(0.000050)	ND(0.000065)	ND(0.000065)	NA
Aroclor-1248	ND(0.000050)	ND(0.000065)	ND(0.000065)	NA
Aroclor-1254	0.00089	0.000093	0.00018	NA
Aroclor-1260	ND(0.000050)	ND(0.000065)	ND(0.000065)	NA
Total PCBs	0.00089	0.000093	0.00018	NA
PCBs-Filtered				
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Aroclor-1254	NA	0.00015	0.000045 J	0.00017 [0.000039 J]
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	0.000049 J [ND(0.000065)]
Total PCBs	NA	0.00015	0.000045 J	0.000219 [0.000039 J]
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.0060)	ND(0.0060) [ND(0.0060)]
Dibenzofuran	ND(0.010)	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) [ND(0.010)]
Phenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
Organochlorine Pesticides				
None Detected	NA	NA	NA	NA
Organophosphate Pesticides				
None Detected	NA	NA	NA	NA
Herbicides				
None Detected	NA	NA	NA	NA
Furans				
2,3,7,8-TCDF	ND(0.00000000070)	ND(0.0000000012)	0.000000000014	ND(0.0000000021) [ND(0.0000000013)]
TCDFs (total)	ND(0.00000000070)	0.000000016	0.00000000037	ND(0.0000000021) [ND(0.0000000020)]
1,2,3,7,8-PeCDF	ND(0.0000000043)	ND(0.0000000083)	0.000000000010 J	ND(0.0000000042) [ND(0.0000000020)]
2,3,4,7,8-PeCDF	ND(0.0000000040)	ND(0.000000011)	ND(0.0000000000084) X	ND(0.0000000042) [ND(0.0000000020)]
PeCDFs (total)	ND(0.0000000043)	ND(0.000000063)	0.00000000030	ND(0.000000014) [ND(0.000000014)]
1,2,3,4,7,8-HxCDF	ND(0.0000000090)	ND(0.0000000053)	0.000000000033	ND(0.0000000035) [ND(0.0000000024)]
1,2,3,6,7,8-HxCDF	ND(0.0000000092)	ND(0.0000000045)	ND(0.0000000000049)	ND(0.0000000029) [ND(0.0000000020)]
1,2,3,7,8,9-HxCDF	ND(0.0000000087)	ND(0.0000000056)	ND(0.0000000000061)	ND(0.0000000038) [ND(0.0000000027)]
2,3,4,6,7,8-HxCDF	ND(0.0000000095)	ND(0.0000000032)	ND(0.0000000000054)	ND(0.0000000034) [ND(0.0000000024)]
HxCDFs (total)	ND(0.0000000095)	ND(0.000000019)	0.00000000012	ND(0.0000000038) [ND(0.0000000027)]
1,2,3,4,6,7,8-HpCDF	ND(0.000000020)	ND(0.0000000046)	0.000000000012 J	ND(0.0000000024) [ND(0.0000000022)]
1,2,3,4,7,8,9-HpCDF	ND(0.000000020)	ND(0.0000000037)	0.0000000000034 J	ND(0.0000000031) [ND(0.0000000028)]
HpCDFs (total)	ND(0.000000020)	ND(0.0000000084)	0.000000000021	ND(0.0000000031) [ND(0.0000000028)]
OCDF	ND(0.000000020)	ND(0.0000000090)	0.000000000015 J	ND(0.0000000056) [ND(0.0000000031)]

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 06/15/99	OPCA-MW-4 05/02/01	OPCA-MW-4 10/30/01	OPCA-MW-4 04/05/05
Dioxins				
2,3,7,8-TCDD	ND(0.0000000013)	ND(0.0000000047)	ND(0.0000000000015)	ND(0.0000000026) [ND(0.0000000018)]
TCDDs (total)	ND(0.0000000013)	ND(0.0000000047)	ND(0.0000000000024)	ND(0.0000000026) [ND(0.0000000018)]
1,2,3,7,8-PeCDD	ND(0.000000018)	ND(0.0000000065)	ND(0.0000000000012)	ND(0.0000000060) [ND(0.0000000032)]
PeCDDs (total)	ND(0.000000018)	ND(0.0000000065)	ND(0.0000000000012)	ND(0.0000000060) [ND(0.0000000032)]
1,2,3,4,7,8-HxCDD	ND(0.000000013)	ND(0.0000000043)	ND(0.0000000000052)	ND(0.0000000044) [ND(0.0000000030)]
1,2,3,6,7,8-HxCDD	ND(0.000000016)	ND(0.0000000016)	ND(0.0000000000046)	ND(0.0000000034) [ND(0.0000000024)]
1,2,3,7,8,9-HxCDD	ND(0.000000014)	ND(0.0000000052)	ND(0.0000000000047)	ND(0.0000000037) [ND(0.0000000025)]
HxCDDs (total)	ND(0.000000016)	ND(0.0000000094)	ND(0.0000000000048)	ND(0.0000000044) [ND(0.0000000030)]
1,2,3,4,6,7,8-HpCDD	ND(0.000000027)	ND(0.0000000064)	0.0000000000048 J	ND(0.0000000041) [ND(0.0000000032)]
HpCDDs (total)	ND(0.000000027)	ND(0.0000000064)	0.0000000000080	ND(0.0000000041) [ND(0.0000000032)]
OCDD	ND(0.000000030)	ND(0.000000029)	0.000000000028 J	ND(0.0000000056) [ND(0.0000000041)]
Total TEQs (WHO TEFs)	0.000000015	0.000000010	0.000000000010	0.0000000069 [0.0000000040]
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	NA
Arsenic	ND(0.00600)	ND(0.0100)	ND(0.0100)	NA
Barium	0.0370	0.0270 B	0.0280 B	NA
Beryllium	ND(0.00600)	ND(0.00100)	ND(0.00100)	NA
Cadmium	ND(0.00600)	ND(0.00500)	ND(0.00500)	NA
Chromium	ND(0.0130)	ND(0.0100) J	ND(0.0100)	NA
Cobalt	ND(0.0600)	ND(0.0500)	ND(0.0500)	NA
Copper	ND(0.0330)	ND(0.0250)	ND(0.0250)	NA
Cyanide	ND(0.0200)	ND(0.0100)	ND(0.0100)	NA
Lead	ND(0.130) J	ND(0.00500) J	ND(0.00500)	NA
Mercury	ND(0.000500)	ND(0.000200)	ND(0.000200)	NA
Nickel	ND(0.0600)	ND(0.0400)	ND(0.0400)	NA
Selenium	ND(0.00600) J	ND(0.00500)	ND(0.00500)	NA
Silver	ND(0.0130)	ND(0.00500)	ND(0.00500)	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.0) [ND(5.0)]
Thallium	ND(0.0130)	ND(0.0100) J	ND(0.010) J	NA
Vanadium	ND(0.0600)	ND(0.0500)	ND(0.0500)	NA
Zinc	ND(0.0260)	0.0130 J	ND(0.020)	NA
Inorganics-Filtered				
Antimony	NA	0.00800 B	ND(0.0600)	ND(0.0600) [ND(0.0600)]
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]
Barium	NA	0.0260 B	0.0300 B	0.0680 B [0.0710 B]
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100) [ND(0.00100)]
Cadmium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Chromium	NA	ND(0.0100) J	ND(0.0100)	ND(0.0100) [ND(0.010)]
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Copper	NA	ND(0.0250)	ND(0.0250)	ND(0.025) [ND(0.025)]
Cyanide	NA	NA	NA	0.00160 B [0.00180 B]
Cyanide-MADEP (PAC)	NA	NA	NA	NA
Lead	NA	ND(0.00500) J	ND(0.00500)	ND(0.00300) [ND(0.00300)]
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200) [ND(0.000200)]
Nickel	NA	ND(0.0400)	ND(0.0400)	ND(0.0400) [ND(0.0400)]
Selenium	NA	0.00650	ND(0.00500)	ND(0.00500) [ND(0.00500)]
Thallium	NA	ND(0.0100) J	ND(0.010) J	ND(0.0100) [ND(0.0100)]
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]
Zinc	NA	0.0150 J	0.0570	0.0770 [0.0820]

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 10/11/05	OPCA-MW-4 04/18/06
Volatile Organics		
Acetone	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.0050) J	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)
Trichloroethene	0.0010 J	0.0016 J
Vinyl Chloride	ND(0.0020)	ND(0.0020)
Total VOCs	0.0010 J	0.0016 J
PCBs-Unfiltered		
Aroclor-1221	NA	NA
Aroclor-1248	NA	NA
Aroclor-1254	NA	NA
Aroclor-1260	NA	NA
Total PCBs	NA	NA
PCBs-Filtered		
Aroclor-1221	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)
Aroclor-1254	0.00028	0.00031
Aroclor-1260	ND(0.000065)	ND(0.000065)
Total PCBs	0.00028	0.00031
Semivolatile Organics		
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060) J
Dibenzofuran	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)
Organochlorine Pesticides		
None Detected	NA	NA
Organophosphate Pesticides		
None Detected	NA	NA
Herbicides		
None Detected	NA	NA
Furans		
2,3,7,8-TCDF	0.0000000033 J	ND(0.0000000053)
TCDFs (total)	0.0000000076 J	ND(0.000000014)
1,2,3,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000072)
2,3,4,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000070)
PeCDFs (total)	0.000000014 J	0.000000033 J
1,2,3,4,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000095)
1,2,3,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000084)
1,2,3,7,8,9-HxCDF	ND(0.0000000050)	ND(0.000000011)
2,3,4,6,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000095)
HxCDFs (total)	ND(0.0000000050)	ND(0.0000000096)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000050)	ND(0.000000014)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000050)	ND(0.000000018)
HpCDFs (total)	ND(0.0000000050)	ND(0.000000012)
OCDF	ND(0.000000010)	ND(0.000000020)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 10/11/05	OPCA-MW-4 04/18/06
Dioxins		
2,3,7,8-TCDD	ND(0.0000000021)	ND(0.0000000047)
TCDDs (total)	ND(0.0000000026)	ND(0.000000014)
1,2,3,7,8-PeCDD	ND(0.0000000050)	ND(0.000000010)
PeCDDs (total)	ND(0.0000000050)	ND(0.000000010)
1,2,3,4,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000079)
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.0000000073)
1,2,3,7,8,9-HxCDD	ND(0.0000000050)	ND(0.0000000080)
HxCDDs (total)	ND(0.0000000050)	ND(0.000000021)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000050)	ND(0.000000012)
HpCDDs (total)	ND(0.0000000050)	ND(0.000000022)
OCDD	ND(0.000000020)	ND(0.000000031)
Total TEQs (WHO TEFs)	0.0000000071	0.000000013
Inorganics-Unfiltered		
Antimony	NA	NA
Arsenic	NA	NA
Barium	NA	NA
Beryllium	NA	NA
Cadmium	NA	NA
Chromium	NA	NA
Cobalt	NA	NA
Copper	NA	NA
Cyanide	NA	NA
Lead	NA	NA
Mercury	NA	NA
Nickel	NA	NA
Selenium	NA	NA
Silver	NA	NA
Sulfide	ND(5.00)	4.00 B
Thallium	NA	NA
Vanadium	NA	NA
Zinc	NA	NA
Inorganics-Filtered		
Antimony	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)
Barium	0.0300 B	0.0290 B
Beryllium	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)
Chromium	0.000600 B	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0500)
Copper	0.00150 B	ND(0.0250)
Cyanide	ND(0.0100)	NA
Cyanide-MADEP (PAC)	NA	ND(0.0100)
Lead	ND(0.00300)	ND(0.00500)
Mercury	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)
Zinc	0.0720	0.0260 J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-5 06/15/99	OPCA-MW-5R 06/28/01	OPCA-MW-5R 04/06/05	OPCA-MW-5R 10/11/05	OPCA-MW-5R 04/18/06
Volatile Organics					
Acetone	ND(0.10)	ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050) J	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0021 J
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0015 J	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	0.0071
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	0.0015 J	0.0092 J
PCBs-Unfiltered					
Aroclor-1221	ND(0.000051)	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000051)	ND(0.000065)	NA	NA	NA
Aroclor-1254	ND(0.000051)	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.000051)	ND(0.000065)	NA	NA	NA
Total PCBs	ND(0.000051)	ND(0.000065)	NA	NA	NA
PCBs-Filtered					
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	ND(0.000065)	0.000073	0.00011	0.00026
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	0.000073	0.00011	0.00026
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	0.0038 J	ND(0.010)	R
Acenaphthene	ND(0.010)	0.011	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060) J	ND(0.0060)	ND(0.0060)	ND(0.0060) J
Dibenzofuran	ND(0.010)	0.0038 J	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	0.062	0.0083 J	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)	R	ND(0.010)	R
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.00000000080)	ND(0.0000000000015)	ND(0.0000000018)	0.0000000033 J	ND(0.0000000041)
TCDFs (total)	ND(0.00000000080)	ND(0.0000000000015)	ND(0.0000000018)	0.0000000033 J	ND(0.000000012)
1,2,3,7,8-PeCDF	ND(0.0000000028)	ND(0.00000000000080)	ND(0.0000000041)	ND(0.0000000049)	ND(0.0000000059)
2,3,4,7,8-PeCDF	ND(0.0000000027)	ND(0.00000000000080)	ND(0.0000000042)	ND(0.0000000049)	ND(0.0000000057)
PeCDFs (total)	ND(0.0000000028)	ND(0.00000000000080)	ND(0.0000000042)	ND(0.0000000049)	ND(0.0000000058)
1,2,3,4,7,8-HxCDF	ND(0.0000000050)	ND(0.0000000000020)	ND(0.0000000038)	ND(0.0000000049)	ND(0.000000010)
1,2,3,6,7,8-HxCDF	ND(0.0000000051)	ND(0.0000000000019)	ND(0.0000000031)	ND(0.0000000049)	ND(0.0000000092)
1,2,3,7,8,9-HxCDF	ND(0.0000000049)	ND(0.0000000000024)	ND(0.0000000041)	ND(0.0000000049)	ND(0.000000012)
2,3,4,6,7,8-HxCDF	ND(0.0000000053)	ND(0.0000000000022)	ND(0.0000000037)	ND(0.0000000049)	ND(0.000000010)
HxCDFs (total)	ND(0.0000000053)	ND(0.0000000000021)	ND(0.0000000041)	ND(0.0000000049)	ND(0.000000010)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000088)	ND(0.0000000000019)	ND(0.0000000037)	ND(0.0000000049)	ND(0.000000012)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000088)	ND(0.0000000000023)	ND(0.0000000047)	ND(0.0000000049)	ND(0.0000000066)
HpCDFs (total)	ND(0.0000000088)	ND(0.0000000000021)	ND(0.0000000047)	ND(0.0000000049)	ND(0.000000014)
OCDF	ND(0.0000000078)	ND(0.000000000010)	ND(0.0000000085)	ND(0.0000000099)	ND(0.000000017)

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OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-5 06/15/99	OPCA-MW-5R 06/28/01	OPCA-MW-5R 04/06/05	OPCA-MW-5R 10/11/05	OPCA-MW-5R 04/18/06
Dioxins					
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000000031)	ND(0.0000000030)	ND(0.0000000023)	ND(0.0000000049)
TCDDs (total)	ND(0.0000000012)	ND(0.0000000000031)	ND(0.0000000030)	ND(0.0000000023)	ND(0.000000013)
1,2,3,7,8-PeCDD	ND(0.000000014)	ND(0.0000000000015)	ND(0.0000000064)	ND(0.0000000049)	ND(0.0000000094)
PeCDDs (total)	ND(0.000000014)	ND(0.0000000000044)	ND(0.0000000064)	ND(0.0000000049)	ND(0.0000000094)
1,2,3,4,7,8-HxCDD	ND(0.0000000062)	ND(0.0000000000029)	ND(0.0000000056)	ND(0.0000000049)	ND(0.0000000063)
1,2,3,6,7,8-HxCDD	ND(0.0000000077)	ND(0.0000000000031)	ND(0.0000000043)	ND(0.0000000049)	ND(0.0000000058)
1,2,3,7,8,9-HxCDD	ND(0.0000000068)	ND(0.0000000000028)	ND(0.0000000046)	ND(0.0000000049)	ND(0.0000000063)
HxCDDs (total)	ND(0.0000000077)	ND(0.0000000000033)	ND(0.0000000056)	ND(0.0000000049)	ND(0.000000017)
1,2,3,4,6,7,8-HpCDD	ND(0.000000012)	ND(0.0000000000028)	ND(0.0000000084)	ND(0.0000000049)	ND(0.000000011)
HpCDDs (total)	ND(0.000000012)	ND(0.0000000000040)	ND(0.0000000084)	ND(0.0000000049)	ND(0.000000022)
OCDD	ND(0.000000012)	ND(0.000000000016) X	ND(0.0000000087)	ND(0.000000018)	ND(0.000000029)
Total TEQs (WHO TEFs)	0.000000011	0.0000000000035	0.0000000075	0.0000000071	0.000000012
Inorganics-Unfiltered					
Antimony	ND(0.0600)	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.00600)	0.00790 B	NA	NA	NA
Barium	0.0290	0.0590 B	NA	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00600)	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0130)	0.00430 B	NA	NA	NA
Cobalt	ND(0.0600)	0.00620 B	NA	NA	NA
Copper	ND(0.0330)	ND(0.0250)	NA	NA	NA
Cyanide	ND(0.0200)	ND(0.0100)	NA	NA	NA
Lead	ND(0.130) J	ND(0.00500)	NA	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00600) J	ND(0.00500)	NA	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	8.00	ND(5.0)	ND(5.00)	2.40 B
Thallium	ND(0.0130)	ND(0.0100)	NA	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA	NA
Zinc	ND(0.0260)	0.0150 B	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	ND(0.0600)	0.0140 B	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	NA	0.0440 B	0.0720 B	0.0310 B	0.0990 B
Beryllium	NA	0.000860 B	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	0.00140 B	ND(0.00500)	ND(0.00500)	0.000870 B
Chromium	NA	ND(0.0100)	ND(0.010)	ND(0.0100)	0.000690 B
Cobalt	NA	0.00660 B	0.00680 B	ND(0.0500)	0.00140 B
Copper	NA	ND(0.0250)	ND(0.025)	0.00210 B	0.0190 B
Cyanide	NA	NA	ND(0.0100)	0.00230 B	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	ND(0.0100)
Lead	NA	ND(0.00500)	ND(0.00300)	ND(0.00300)	ND(0.00500)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	0.00190 B	ND(0.0400)	0.00270 B
Selenium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0110 B	0.0240	ND(0.02)	0.00360 J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 06/15/99	OPCA-MW-6 05/02/01	OPCA-MW-6 04/04/05	OPCA-MW-6 10/17/05	OPCA-MW-6 04/17/06
Volatile Organics					
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	0.0016 J	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	0.0016 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered					
Aroclor-1221	ND(0.000050)	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000050)	ND(0.000065)	NA	NA	NA
Aroclor-1254	0.00012	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.000050)	ND(0.000065)	NA	NA	NA
Total PCBs	0.00012	ND(0.000065)	NA	NA	NA
PCBs-Filtered					
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	ND(0.000065)	0.00037	0.000078	ND(0.00016)
Aroclor-1260	NA	ND(0.000065)	0.00014	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	0.00051	0.000078	ND(0.00016)
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060) J
Dibenzofuran	ND(0.010)	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)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.00000000090)	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000022)	ND(0.0000000055)
TCDFs (total)	ND(0.00000000090)	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000015)	ND(0.000000014)
1,2,3,7,8-PeCDF	ND(0.0000000033)	ND(0.0000000016)	ND(0.0000000024)	ND(0.0000000050)	ND(0.0000000056)
2,3,4,7,8-PeCDF	ND(0.0000000031)	ND(0.0000000016)	ND(0.0000000024)	ND(0.0000000050)	ND(0.0000000055)
PeCDFs (total)	ND(0.0000000033)	ND(0.0000000016)	ND(0.0000000024)	ND(0.0000000050)	ND(0.0000000055)
1,2,3,4,7,8-HxCDF	ND(0.0000000089)	ND(0.0000000015)	ND(0.0000000022)	ND(0.0000000050)	ND(0.000000010)
1,2,3,6,7,8-HxCDF	ND(0.0000000092)	ND(0.0000000011)	ND(0.0000000018)	ND(0.0000000050)	ND(0.0000000088)
1,2,3,7,8,9-HxCDF	ND(0.0000000087)	ND(0.0000000014)	ND(0.0000000024)	ND(0.0000000050)	ND(0.000000012)
2,3,4,6,7,8-HxCDF	ND(0.0000000096)	ND(0.0000000012)	ND(0.0000000022)	ND(0.0000000050)	ND(0.000000010)
HxCDFs (total)	ND(0.0000000095)	ND(0.0000000015)	ND(0.0000000024)	ND(0.0000000050)	ND(0.000000010)
1,2,3,4,6,7,8-HpCDF	ND(0.000000020)	ND(0.0000000017)	ND(0.0000000019)	ND(0.0000000050)	ND(0.000000013)
1,2,3,4,7,8,9-HpCDF	ND(0.000000020)	ND(0.0000000020)	ND(0.0000000024)	ND(0.0000000050)	ND(0.000000017)
HpCDFs (total)	ND(0.000000020)	ND(0.0000000018)	ND(0.0000000024)	ND(0.0000000050)	ND(0.000000015)
OCDF	ND(0.000000020)	ND(0.0000000039)	ND(0.0000000041)	ND(0.000000010)	ND(0.000000029)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 06/15/99	OPCA-MW-6 05/02/01	OPCA-MW-6 04/04/05	OPCA-MW-6 10/17/05	OPCA-MW-6 04/17/06
Dioxins					
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000017)	ND(0.0000000017)	ND(0.0000000024) X	ND(0.0000000056)
TCDDs (total)	ND(0.0000000012)	ND(0.0000000017)	ND(0.0000000017)	ND(0.0000000031)	ND(0.000000016)
1,2,3,7,8-PeCDD	ND(0.000000012)	ND(0.0000000019)	ND(0.0000000035)	ND(0.0000000050)	ND(0.0000000092)
PeCDDs (total)	ND(0.000000012)	ND(0.0000000019)	ND(0.0000000035)	ND(0.0000000050)	ND(0.0000000092)
1,2,3,4,7,8-HxCDD	ND(0.000000012)	ND(0.0000000016)	ND(0.0000000034)	ND(0.0000000050)	ND(0.000000013)
1,2,3,6,7,8-HxCDD	ND(0.000000015)	ND(0.0000000016)	ND(0.0000000026)	ND(0.0000000050)	ND(0.000000012)
1,2,3,7,8,9-HxCDD	ND(0.000000013)	ND(0.0000000016)	ND(0.0000000028)	ND(0.0000000050)	ND(0.000000013)
HxCDDs (total)	ND(0.000000015)	ND(0.0000000016)	ND(0.0000000034)	ND(0.0000000050)	ND(0.000000022)
1,2,3,4,6,7,8-HpCDD	ND(0.000000026)	ND(0.0000000026)	ND(0.0000000036)	ND(0.0000000050)	ND(0.000000012)
HpCDDs (total)	ND(0.000000026)	ND(0.0000000026)	ND(0.0000000036)	ND(0.0000000050)	ND(0.000000028)
OCDD	ND(0.000000029)	ND(0.0000000047)	ND(0.0000000056)	ND(0.000000010)	ND(0.000000032)
Total TEQs (WHO TEFs)	0.000000012	0.0000000028	0.0000000042	0.0000000070	0.000000013
Inorganics-Unfiltered					
Antimony	ND(0.0600)	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.00600)	ND(0.0100)	NA	NA	NA
Barium	0.0300	0.0170 B	NA	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00600)	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0130)	ND(0.0100) J	NA	NA	NA
Cobalt	ND(0.0600)	ND(0.0500)	NA	NA	NA
Copper	ND(0.0330)	0.00400 B	NA	NA	NA
Cyanide	ND(0.0200)	ND(0.0100)	NA	NA	NA
Lead	ND(0.130) J	ND(0.00500) J	NA	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00600) J	0.00570	NA	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	4.80 B
Thallium	ND(0.0130)	ND(0.0100) J	NA	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA	NA
Zinc	ND(0.0260)	0.0210 J	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)	0.00450 B
Barium	NA	0.0160 B	0.0120 B	0.0170 B	0.0140 B
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	NA	ND(0.0100) J	ND(0.0100)	0.00110 B	ND(0.0100)
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	ND(0.0250)	ND(0.0250)	0.00140 B	ND(0.0250)
Cyanide	NA	NA	0.00160 B	0.00200 B	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	ND(0.0100)
Lead	NA	ND(0.00500) J	ND(0.00300)	ND(0.003)	ND(0.00500)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	NA	0.00590	ND(0.00500) J	ND(0.00500) J	ND(0.00500)
Thallium	NA	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0150 J	0.0280	ND(0.0200)	ND(0.0200) J

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OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/06/05	OPCA-MW-7 10/17-10/20/2005	OPCA-MW-7 04/18/06
Volatile Organics					
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.010)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0026 J	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	0.0026 J	ND(0.20)
PCBs-Unfiltered					
Aroclor-1221	ND(0.000051)	ND(0.000065)	NA	NA	NA
Aroclor-1248	ND(0.000051)	ND(0.000065)	NA	NA	NA
Aroclor-1254	ND(0.000051)	ND(0.000065)	NA	NA	NA
Aroclor-1260	ND(0.000051)	ND(0.000065)	NA	NA	NA
Total PCBs	ND(0.000051)	ND(0.000065)	NA	NA	NA
PCBs-Filtered					
Aroclor-1221	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	ND(0.000065)	0.00018	0.00039	0.00033
Aroclor-1260	NA	ND(0.000065)	0.000051 J	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	0.000231	0.00039	0.00033
Semivolatile Organics					
1,2,4-Trichlorobenzene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.011)	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060) J
Dibenzofuran	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.011)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	ND(0.011)	ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.010)
Organochlorine Pesticides					
None Detected	NA	NA	NA	NA	NA
Organophosphate Pesticides					
None Detected	NA	NA	NA	NA	NA
Herbicides					
None Detected	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	ND(0.00000000080)	ND(0.0000000014)	ND(0.0000000016)	ND(0.0000000048)	ND(0.0000000050)
TCDFs (total)	ND(0.00000000080)	ND(0.0000000014)	ND(0.0000000016)	ND(0.0000000048)	ND(0.000000011)
1,2,3,7,8-PeCDF	ND(0.0000000030)	ND(0.0000000016)	ND(0.0000000025)	ND(0.0000000050)	ND(0.0000000052)
2,3,4,7,8-PeCDF	ND(0.0000000028)	ND(0.0000000016)	ND(0.0000000025)	ND(0.0000000050)	ND(0.0000000052)
PeCDFs (total)	ND(0.0000000030)	ND(0.0000000016)	ND(0.0000000035)	ND(0.0000000050)	ND(0.0000000052)
1,2,3,4,7,8-HxCDF	ND(0.0000000069)	ND(0.0000000016)	ND(0.0000000031)	0.0000000058 J	ND(0.000000010)
1,2,3,6,7,8-HxCDF	ND(0.0000000070)	ND(0.00000000090)	ND(0.0000000025)	ND(0.0000000050)	ND(0.0000000089)
1,2,3,7,8,9-HxCDF	ND(0.0000000067)	ND(0.0000000011)	ND(0.0000000034)	ND(0.0000000050)	ND(0.000000012)
2,3,4,6,7,8-HxCDF	ND(0.0000000073)	ND(0.0000000010)	ND(0.0000000030)	ND(0.0000000050)	ND(0.000000010)
HxCDFs (total)	ND(0.0000000073)	ND(0.0000000016)	ND(0.0000000034)	0.000000011 J	ND(0.000000010)
1,2,3,4,6,7,8-HpCDF	ND(0.000000013)	ND(0.0000000016)	ND(0.0000000034)	ND(0.0000000050)	ND(0.0000000061)
1,2,3,4,7,8,9-HpCDF	ND(0.000000013)	ND(0.0000000020)	ND(0.0000000044)	ND(0.0000000050)	ND(0.0000000079)
HpCDFs (total)	ND(0.000000013)	ND(0.0000000018)	ND(0.0000000044)	ND(0.0000000050)	ND(0.000000015)
OCDF	ND(0.000000012)	ND(0.0000000038)	ND(0.0000000058)	ND(0.000000010)	ND(0.000000025)

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OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 04/06/05	OPCA-MW-7 10/17-10/20/2005	OPCA-MW-7 04/18/06
Dioxins					
2,3,7,8-TCDD	ND(0.0000000013)	ND(0.0000000020)	ND(0.0000000022)	ND(0.0000000033)	ND(0.0000000056)
TCDDs (total)	ND(0.0000000013)	ND(0.0000000020)	ND(0.0000000022)	ND(0.0000000033)	ND(0.000000014)
1,2,3,7,8-PeCDD	ND(0.000000010)	ND(0.0000000021)	ND(0.0000000043)	ND(0.0000000050)	ND(0.0000000099)
PeCDDs (total)	ND(0.000000010)	ND(0.0000000021)	ND(0.0000000043)	ND(0.0000000050)	ND(0.0000000099)
1,2,3,4,7,8-HxCDD	ND(0.0000000097)	ND(0.0000000017)	ND(0.0000000040)	ND(0.0000000050)	ND(0.0000000082)
1,2,3,6,7,8-HxCDD	ND(0.000000012)	ND(0.0000000017)	ND(0.0000000031)	ND(0.0000000050)	ND(0.0000000071)
1,2,3,7,8,9-HxCDD	ND(0.000000011)	ND(0.0000000016)	ND(0.0000000034)	ND(0.0000000050)	ND(0.0000000078)
HxCDDs (total)	ND(0.000000012)	ND(0.000000010) X	ND(0.0000000040)	ND(0.0000000050)	ND(0.000000028)
1,2,3,4,6,7,8-HpCDD	ND(0.000000017)	ND(0.0000000030)	ND(0.0000000060)	ND(0.0000000050)	ND(0.000000012)
HpCDDs (total)	ND(0.000000017)	ND(0.0000000030)	ND(0.0000000060)	ND(0.0000000050)	ND(0.000000027)
OCDD	ND(0.000000018)	ND(0.0000000048)	ND(0.000000010)	ND(0.000000018)	ND(0.000000031)
Total TEQs (WHO TEFs)	0.0000000098	0.0000000031	0.0000000052	0.0000000079	0.000000013
Inorganics-Unfiltered					
Antimony	ND(0.0600)	ND(0.0600)	NA	NA	NA
Arsenic	ND(0.00600)	ND(0.0100)	NA	NA	NA
Barium	0.0270	0.0600 B	NA	NA	NA
Beryllium	ND(0.00600)	ND(0.00100)	NA	NA	NA
Cadmium	ND(0.00600)	ND(0.00500)	NA	NA	NA
Chromium	ND(0.0130)	ND(0.0100)	NA	NA	NA
Cobalt	ND(0.0600)	ND(0.0500)	NA	NA	NA
Copper	ND(0.0330)	0.00790 J	NA	NA	NA
Cyanide	ND(0.0200)	ND(0.0100)	NA	NA	NA
Lead	ND(0.130) J	ND(0.00500)	NA	NA	NA
Mercury	ND(0.000500)	ND(0.000200)	NA	NA	NA
Nickel	ND(0.0600)	ND(0.0400)	NA	NA	NA
Selenium	ND(0.00600) J	ND(0.00500) J	NA	NA	NA
Silver	ND(0.0130)	ND(0.00500)	NA	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.0)	ND(5.00)	5.60 B
Thallium	ND(0.0130)	ND(0.0100) J	NA	NA	NA
Vanadium	ND(0.0600)	ND(0.0500)	NA	NA	NA
Zinc	ND(0.0260)	0.0200 B	NA	NA	NA
Inorganics-Filtered					
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	NA	0.0570 J	0.0150 B	0.0200 B	0.0170 B
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500)	ND(0.00500)	0.000570 B	ND(0.00500)
Chromium	NA	ND(0.0100)	ND(0.010)	0.000720 B	0.000950 B
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	0.00730 J	ND(0.025)	ND(0.0250)	ND(0.0250)
Cyanide	NA	NA	ND(0.0100)	0.00140 B	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	ND(0.0100)
Lead	NA	ND(0.00500)	ND(0.00300)	ND(0.00300)	ND(0.00500)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	0.00300 B	ND(0.0400)	ND(0.0400)
Selenium	NA	ND(0.00500) J	ND(0.00500)	ND(0.00500) J	0.00420 J
Thallium	NA	ND(0.0100) J	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Vanadium	NA	ND(0.0500)	ND(0.0500)	0.00260 B	ND(0.0500)
Zinc	NA	0.0200 B	0.0210	ND(0.0200)	ND(0.0200) J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01	OPCA-MW-8 11/01/01	OPCA-MW-8 04/06/05
Volatile Organics				
Acetone	ND(0.10)	ND(0.010) [ND(0.010)]	ND(0.010) J	ND(0.010)
Carbon Disulfide	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.010)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0026 J
Trichloroethene	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.010)	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	0.0026 J
PCBs-Unfiltered				
Aroclor-1221	ND(0.00010)	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA
Aroclor-1248	ND(0.00010)	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA
Aroclor-1254	ND(0.00010)	ND(0.000065) [ND(0.000065)]	0.000095	NA
Aroclor-1260	ND(0.00010)	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA
Total PCBs	ND(0.00010)	ND(0.000065) [ND(0.000065)]	0.000095	NA
PCBs-Filtered				
Aroclor-1221	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000061 J
Aroclor-1260	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000061 J
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060) [ND(0.0060)]	ND(0.0060)	ND(0.0060)
Dibenzofuran	ND(0.010)	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)	ND(0.010)
Phenol	ND(0.010)	ND(0.010) J [ND(0.010) J]	ND(0.010)	ND(0.010)
Organochlorine Pesticides				
None Detected	NA	NA	NA	NA
Organophosphate Pesticides				
None Detected	NA	NA	NA	NA
Herbicides				
None Detected	NA	NA	NA	NA
Furans				
2,3,7,8-TCDF	ND(0.00000000070)	ND(0.0000000010) [ND(0.0000000018) X]	ND(0.0000000000060)	ND(0.0000000022)
TCDFs (total)	ND(0.00000000070)	ND(0.0000000010) [ND(0.0000000032) X]	ND(0.0000000000060)	ND(0.0000000022)
1,2,3,7,8-PeCDF	ND(0.0000000029)	ND(0.0000000028) [ND(0.000000026)]	ND(0.0000000000044)	ND(0.0000000044)
2,3,4,7,8-PeCDF	ND(0.0000000027)	ND(0.0000000011) [0.0000000034 J]	ND(0.0000000000043)	ND(0.0000000044)
PeCDFs (total)	ND(0.0000000029)	ND(0.0000000028) [0.000000040]	ND(0.0000000000043)	ND(0.0000000044)
1,2,3,4,7,8-HxCDF	ND(0.0000000097)	ND(0.0000000014) [ND(0.0000000045)]	ND(0.0000000000017)	ND(0.0000000042)
1,2,3,6,7,8-HxCDF	ND(0.0000000099)	ND(0.00000000070) [ND(0.0000000028)]	ND(0.0000000000015)	ND(0.0000000034)
1,2,3,7,8,9-HxCDF	ND(0.0000000094)	ND(0.00000000090) [0.0000000018 JB]	ND(0.0000000000019)	ND(0.0000000045)
2,3,4,6,7,8-HxCDF	ND(0.000000010)	ND(0.00000000080) [ND(0.0000000023)]	ND(0.0000000000017)	ND(0.0000000040)
HxCDFs (total)	ND(0.000000010)	ND(0.0000000014) [0.000000025]	ND(0.0000000000017)	ND(0.0000000045)
1,2,3,4,6,7,8-HpCDF	ND(0.000000022)	ND(0.0000000013) [ND(0.0000000036) XB]	0.0000000000052 JQ	ND(0.0000000042)
1,2,3,4,7,8,9-HpCDF	ND(0.000000022)	ND(0.0000000016) [0.0000000040 JB]	ND(0.0000000000030)	ND(0.0000000054)
HpCDFs (total)	ND(0.000000022)	ND(0.0000000014) [0.0000000058]	ND(0.0000000000052)	ND(0.0000000054)
OCDF	ND(0.000000025)	ND(0.0000000031) [0.0000000095 J]	ND(0.0000000000087) X	ND(0.0000000098)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01	OPCA-MW-8 11/01/01	OPCA-MW-8 04/06/05
Dioxins				
2,3,7,8-TCDD	ND(0.0000000011)	ND(0.0000000013) [ND(0.0000000014)]	ND(0.0000000000075)	ND(0.0000000036)
TCDDs (total)	ND(0.0000000011)	ND(0.0000000013) [ND(0.0000000014)]	ND(0.0000000000075)	ND(0.0000000036)
1,2,3,7,8-PeCDD	ND(0.000000011)	ND(0.0000000016) [ND(0.0000000040)]	ND(0.0000000000075)	ND(0.0000000066)
PeCDDs (total)	ND(0.000000011)	ND(0.0000000016) [0.0000000040]	ND(0.0000000000075)	ND(0.0000000066)
1,2,3,4,7,8-HxCDD	ND(0.000000013)	ND(0.0000000013) [ND(0.0000000024)]	ND(0.0000000000052)	ND(0.0000000063)
1,2,3,6,7,8-HxCDD	ND(0.000000016)	ND(0.0000000013) [ND(0.0000000019) XB]	ND(0.0000000000046)	ND(0.0000000048)
1,2,3,7,8,9-HxCDD	ND(0.000000014)	ND(0.0000000012) [ND(0.0000000038)]	ND(0.0000000000047)	ND(0.0000000052)
HxCDDs (total)	ND(0.000000016)	ND(0.000000012) [0.0000000062]	ND(0.0000000000048)	ND(0.0000000063)
1,2,3,4,6,7,8-HpCDD	ND(0.000000030)	ND(0.0000000024) [ND(0.0000000081)]	ND(0.000000000011) X	ND(0.0000000060)
HpCDDs (total)	ND(0.000000030)	ND(0.0000000014) X [0.000000012]	ND(0.0000000000080)	ND(0.0000000060)
OCDD	ND(0.000000037)	ND(0.0000000051) XB [ND(0.000000043)]	ND(0.00000000011)	ND(0.000000019)
Total TEQs (WHO TEFs)	0.000000011	0.0000000023 [0.0000000063]	0.000000000010	0.0000000081
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600) [ND(0.0600)]	ND(0.0600)	NA
Arsenic	ND(0.00600)	ND(0.0100) J [ND(0.0100) J]	ND(0.0100)	NA
Barium	0.0860	0.0290 B [0.0300 B]	0.0350 B	NA
Beryllium	ND(0.00600)	ND(0.00100) [ND(0.00100)]	ND(0.00100)	NA
Cadmium	ND(0.00600)	ND(0.00500) [ND(0.00500)]	ND(0.00500)	NA
Chromium	ND(0.0130)	0.00600 B [0.00520 B]	0.00370 B	NA
Cobalt	ND(0.0600)	ND(0.0500) [ND(0.0500)]	ND(0.0500)	NA
Copper	ND(0.0330)	ND(0.0250) [ND(0.0250)]	ND(0.0250)	NA
Cyanide	ND(0.0200)	ND(0.0100) [ND(0.0100)]	0.0260	NA
Lead	ND(0.130) J	ND(0.00500) J [ND(0.00500) J]	0.00490 BJ	NA
Mercury	ND(0.000500)	ND(0.000200) [ND(0.000200)]	ND(0.000200)	NA
Nickel	ND(0.0600)	ND(0.0400) [ND(0.0400)]	ND(0.0400)	NA
Selenium	ND(0.00600) J	ND(0.00500) [ND(0.00500)]	ND(0.00500)	NA
Silver	ND(0.0130)	ND(0.00500) [ND(0.00500)]	ND(0.00500)	NA
Sulfide	ND(5.00)	ND(5.00) [ND(5.00)]	ND(5.00)	ND(5.0)
Thallium	ND(0.0130)	ND(0.0100) J [ND(0.0100) J]	ND(0.0100) J	NA
Vanadium	ND(0.0600)	ND(0.0500) [ND(0.0500)]	0.00440 B	NA
Zinc	ND(0.0260)	0.0970 [0.120]	0.180	NA
Inorganics-Filtered				
Antimony	NA	ND(0.0600) [ND(0.0600)]	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100) J [ND(0.0100) J]	ND(0.0100)	ND(0.0100)
Barium	NA	0.0280 J [0.0280 J]	0.0310 B	0.00950 B
Beryllium	NA	ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Chromium	NA	0.00290 B [0.00370 B]	ND(0.0100)	ND(0.010)
Cobalt	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Copper	NA	ND(0.0250) [0.00420 B]	ND(0.0250)	ND(0.025)
Cyanide	NA	NA	NA	0.00140 B
Cyanide-MADEP (PAC)	NA	NA	NA	NA
Lead	NA	ND(0.00500) J [ND(0.00500) J]	ND(0.00500) J	ND(0.00300)
Mercury	NA	ND(0.000200) [ND(0.000200)]	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400) [0.00410 B]	ND(0.0400)	0.00240 B
Selenium	NA	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Thallium	NA	ND(0.0100) J [ND(0.0100) J]	ND(0.0100) J	ND(0.0100)
Vanadium	NA	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0540 [0.0560]	0.100	0.0480

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 10/13/05	OPCA-MW-8 04/17/06
Volatile Organics		
Acetone	ND(0.01)	ND(0.010) J
Carbon Disulfide	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)
Chloromethane	0.00067 J	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)
Total VOCs	0.00067 J	ND(0.20)
PCBs-Unfiltered		
Aroclor-1221	NA	NA
Aroclor-1248	NA	NA
Aroclor-1254	NA	NA
Aroclor-1260	NA	NA
Total PCBs	NA	NA
PCBs-Filtered		
Aroclor-1221	R	ND(0.000065)
Aroclor-1248	R	ND(0.000065)
Aroclor-1254	R	ND(0.00020)
Aroclor-1260	R	ND(0.000065)
Total PCBs	R	ND(0.00020)
Semivolatile Organics		
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060) J
Dibenzofuran	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)
Organochlorine Pesticides		
None Detected	NA	NA
Organophosphate Pesticides		
None Detected	NA	NA
Herbicides		
None Detected	NA	NA
Furans		
2,3,7,8-TCDF	ND(0.0000000025)	ND(0.0000000034)
TCDFs (total)	ND(0.0000000025)	ND(0.000000011)
1,2,3,7,8-PeCDF	ND(0.0000000049)	ND(0.0000000080)
2,3,4,7,8-PeCDF	ND(0.0000000049)	ND(0.0000000078)
PeCDFs (total)	ND(0.0000000049)	ND(0.0000000079)
1,2,3,4,7,8-HxCDF	ND(0.0000000049)	ND(0.000000011)
1,2,3,6,7,8-HxCDF	ND(0.0000000049)	ND(0.0000000096)
1,2,3,7,8,9-HxCDF	ND(0.0000000049)	ND(0.000000013)
2,3,4,6,7,8-HxCDF	ND(0.0000000049)	ND(0.000000011)
HxCDFs (total)	ND(0.0000000049)	ND(0.000000011)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000049)	ND(0.0000000075)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000049)	ND(0.0000000097)
HpCDFs (total)	ND(0.0000000049)	ND(0.000000024)
OCDF	ND(0.0000000098)	ND(0.000000024)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
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 10/13/05	OPCA-MW-8 04/17/06
Dioxins		
2,3,7,8-TCDD	ND(0.0000000031)	ND(0.0000000062)
TCDDs (total)	ND(0.0000000031)	ND(0.000000013)
1,2,3,7,8-PeCDD	ND(0.0000000049)	ND(0.000000013)
PeCDDs (total)	ND(0.0000000049)	ND(0.000000013)
1,2,3,4,7,8-HxCDD	ND(0.0000000049)	ND(0.0000000090)
1,2,3,6,7,8-HxCDD	ND(0.0000000049)	ND(0.0000000083)
1,2,3,7,8,9-HxCDD	ND(0.0000000049)	ND(0.0000000091)
HxCDDs (total)	ND(0.0000000049)	ND(0.000000023)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000049)	ND(0.000000012)
HpCDDs (total)	ND(0.0000000049)	ND(0.000000036)
OCDD	ND(0.000000039)	ND(0.000000037)
Total TEQs (WHO TEFs)	0.0000000073	0.000000016
Inorganics-Unfiltered		
Antimony	NA	NA
Arsenic	NA	NA
Barium	NA	NA
Beryllium	NA	NA
Cadmium	NA	NA
Chromium	NA	NA
Cobalt	NA	NA
Copper	NA	NA
Cyanide	NA	NA
Lead	NA	NA
Mercury	NA	NA
Nickel	NA	NA
Selenium	NA	NA
Silver	NA	NA
Sulfide	ND(5.00)	6.40
Thallium	NA	NA
Vanadium	NA	NA
Zinc	NA	NA
Inorganics-Filtered		
Antimony	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)
Barium	0.00770 B	0.0170 B
Beryllium	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)
Chromium	0.000760 B	0.00230 B
Cobalt	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.01)	NA
Cyanide-MADEP (PAC)	NA	ND(0.0100)
Lead	ND(0.00300)	ND(0.00500)
Mercury	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500) J	0.00430 J
Thallium	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200)	0.0100 J

TABLE B-1
OPCA GROUNDWATER MONITORING PROGRAM - SELECTED ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR SPRING 2006
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents per the requirements of the OPCA groundwater monitoring program.
   Data from 1999-2001 baseline monitoring rounds and from the most recent year of sampling is presented.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. Field duplicate sample results are presented in brackets.
7. -- Indicates that all constituents for the parameter group were not detected.
8. {} Indicates EPA split data.

Data Qualifiers:

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

- B - Analyte was also detected in the associated method blank.
- J - Indicates that the associated numerical value is an estimated concentration.
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- 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.

Historical Groundwater Data

Total VOC Concentrations – Wells Sampled in Spring 2006

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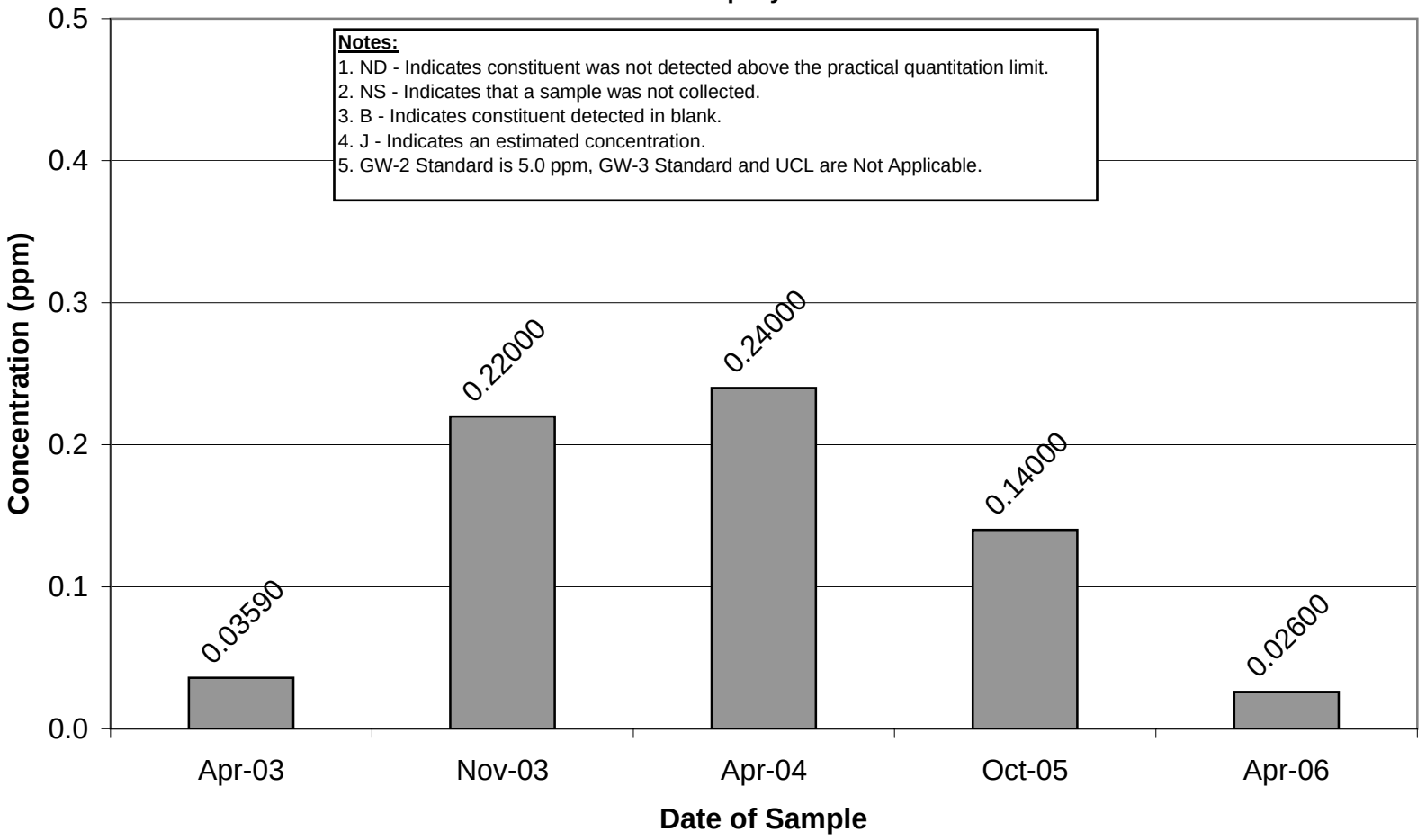
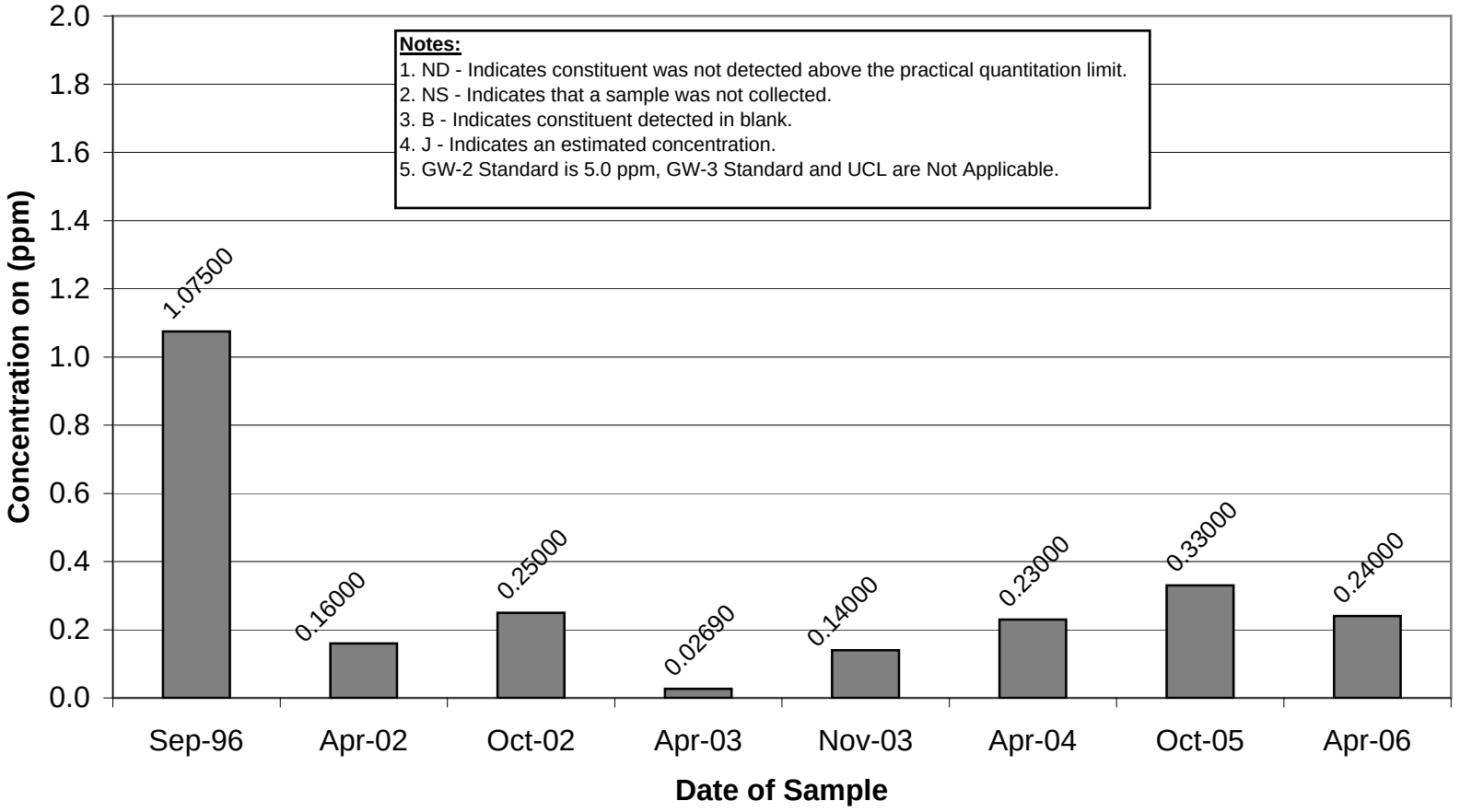
Appendix B
Well H78B-16 Historical Total VOC Concentration

Groundwater Management Area 4
General Electric Company - Pittsfield Massachusetts



Appendix B
Well H78B-17R Historical Total VOC Concentrations

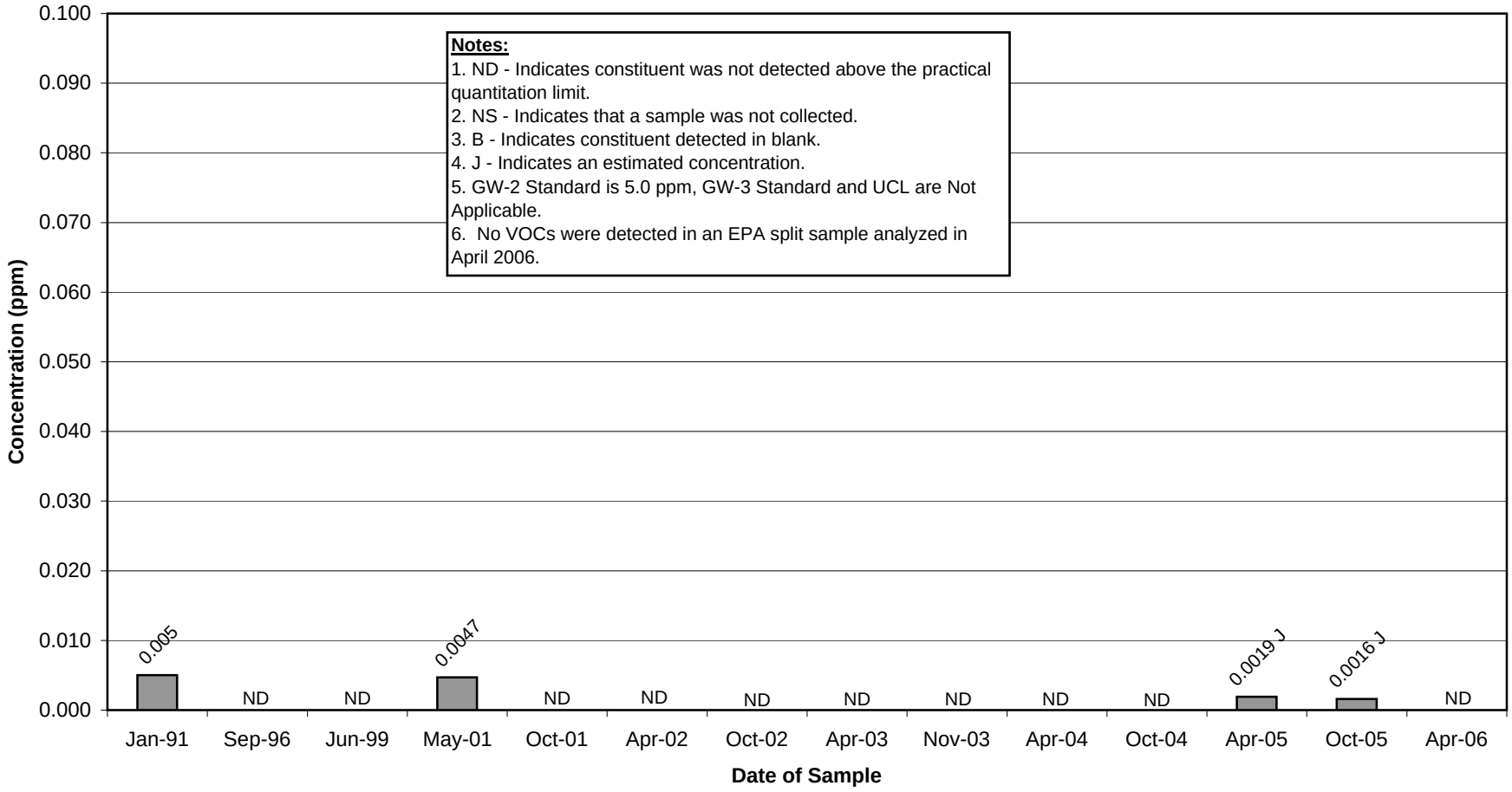
Groundwater Management Area 4
General Electric Company-Pittsfield Massachusetts



APPENDIX B
WELL 78-1 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

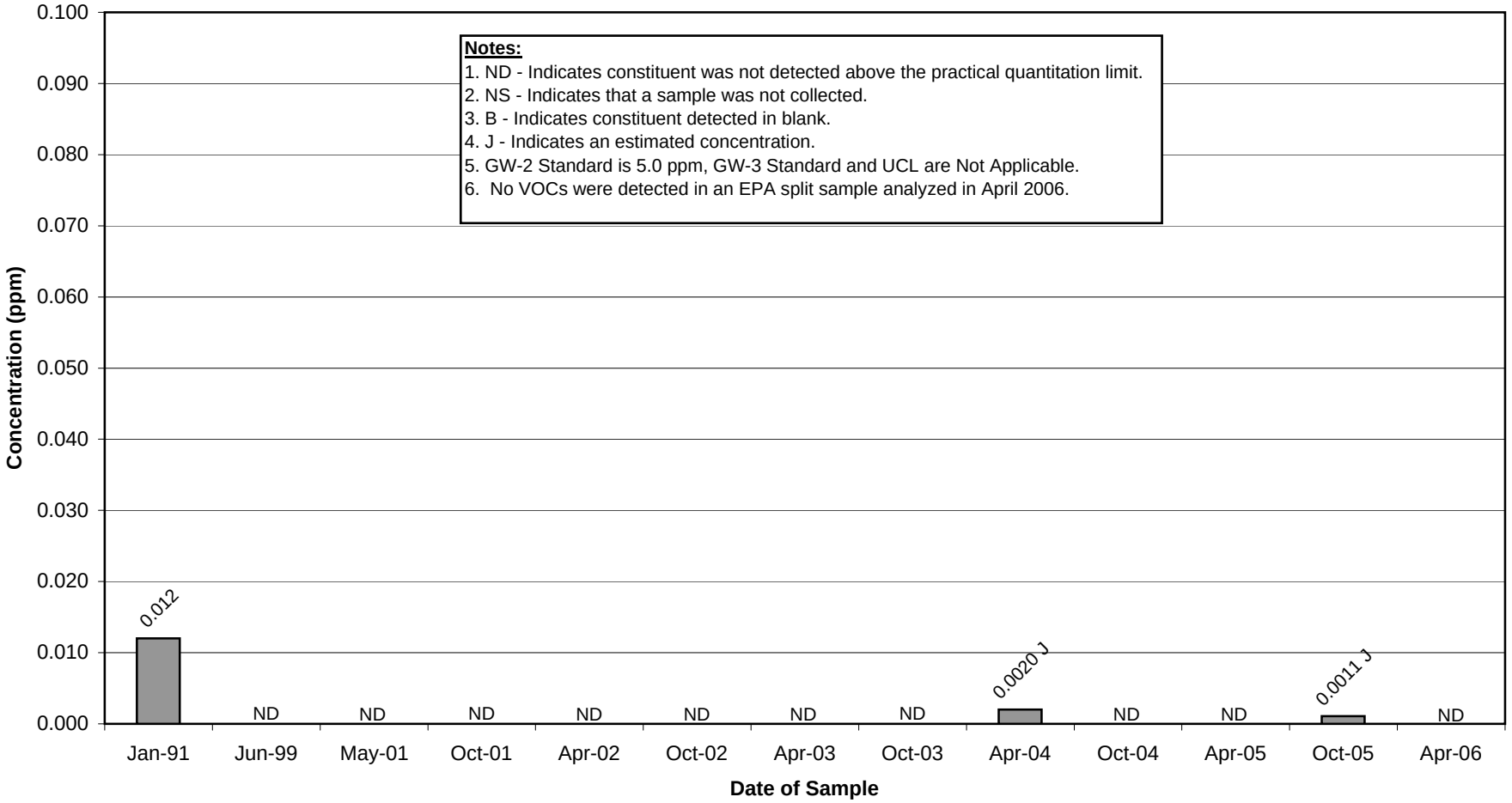
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL 78-6 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

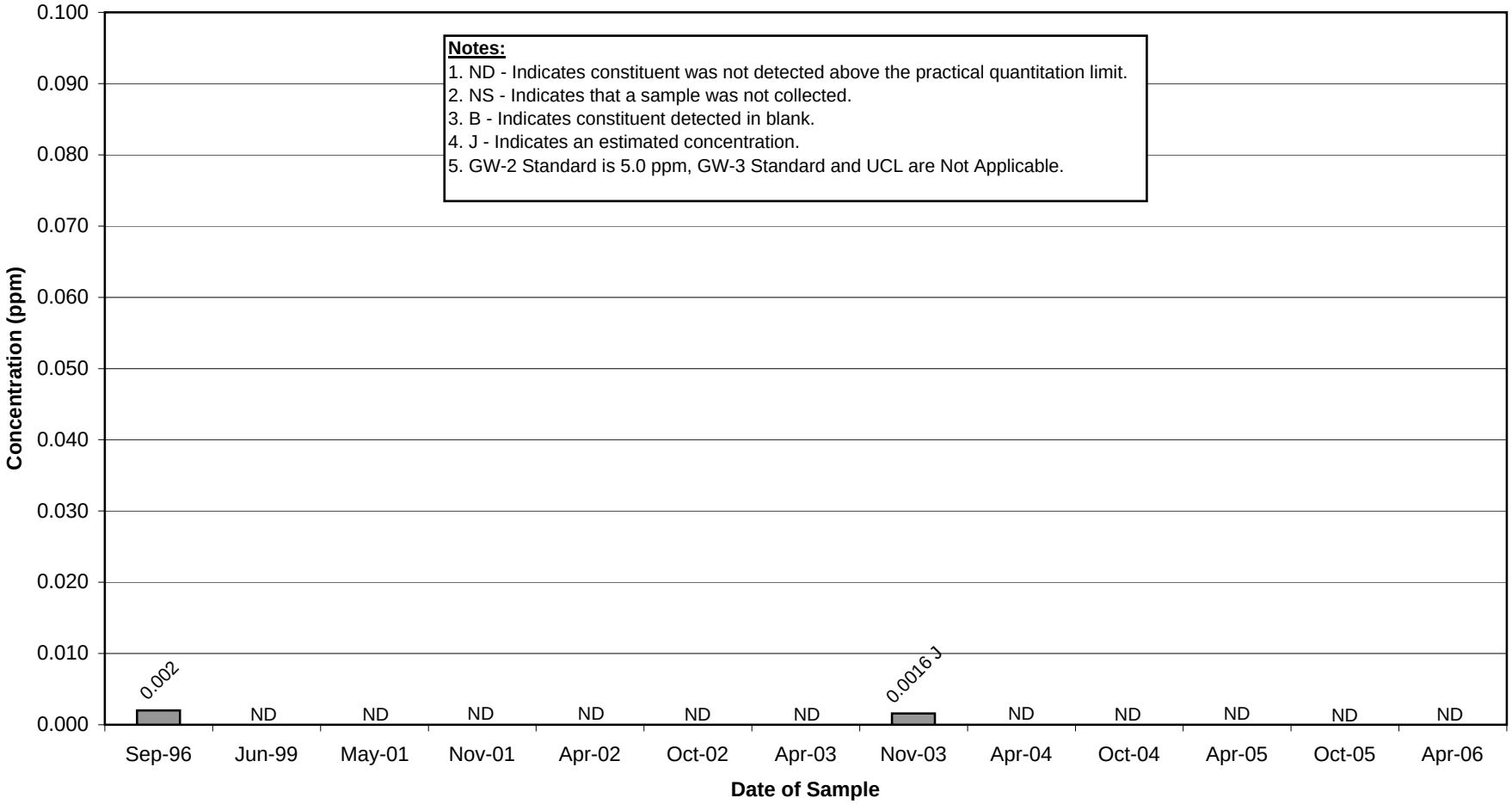
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL H78B-15 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

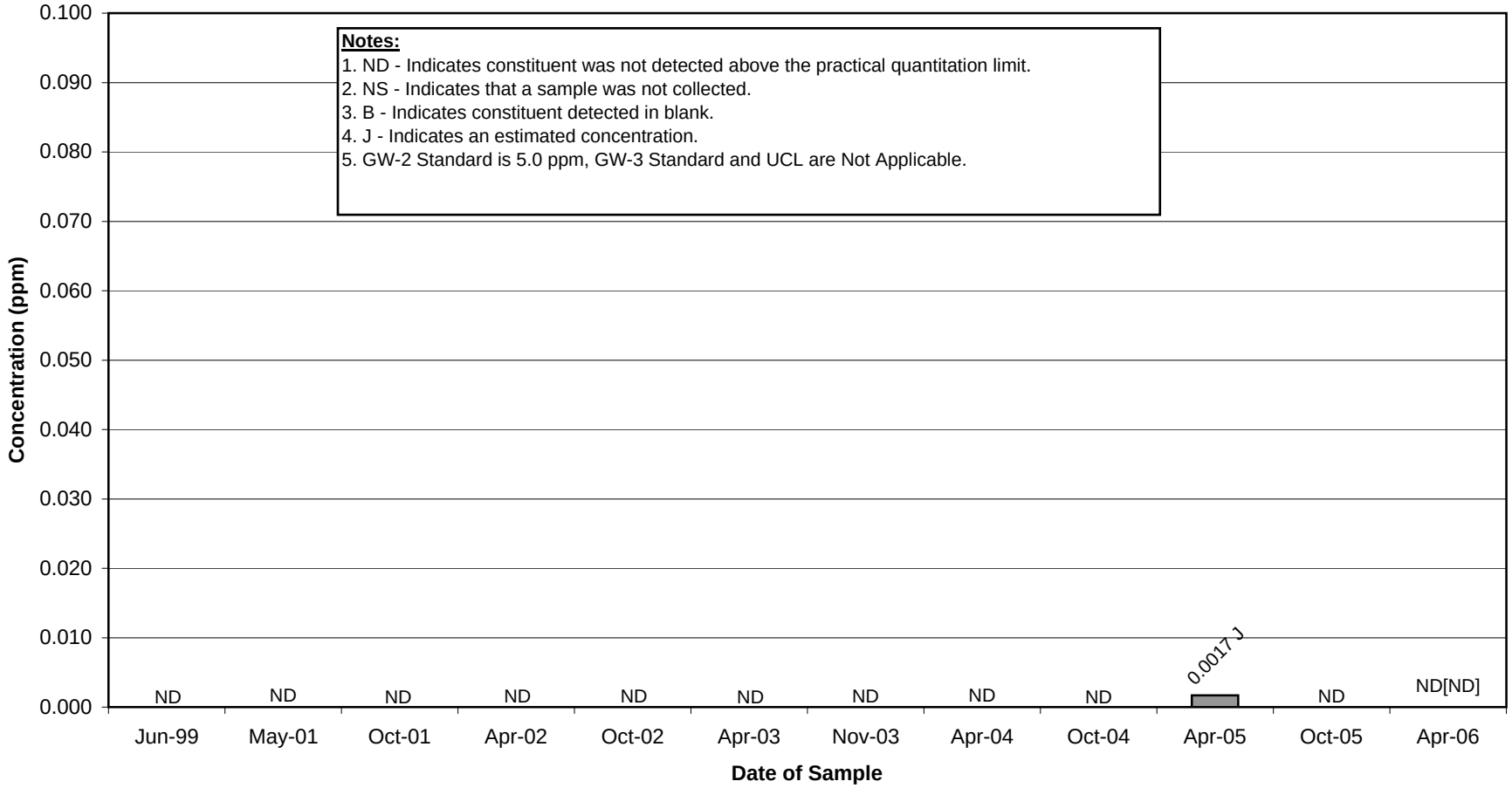
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-1 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

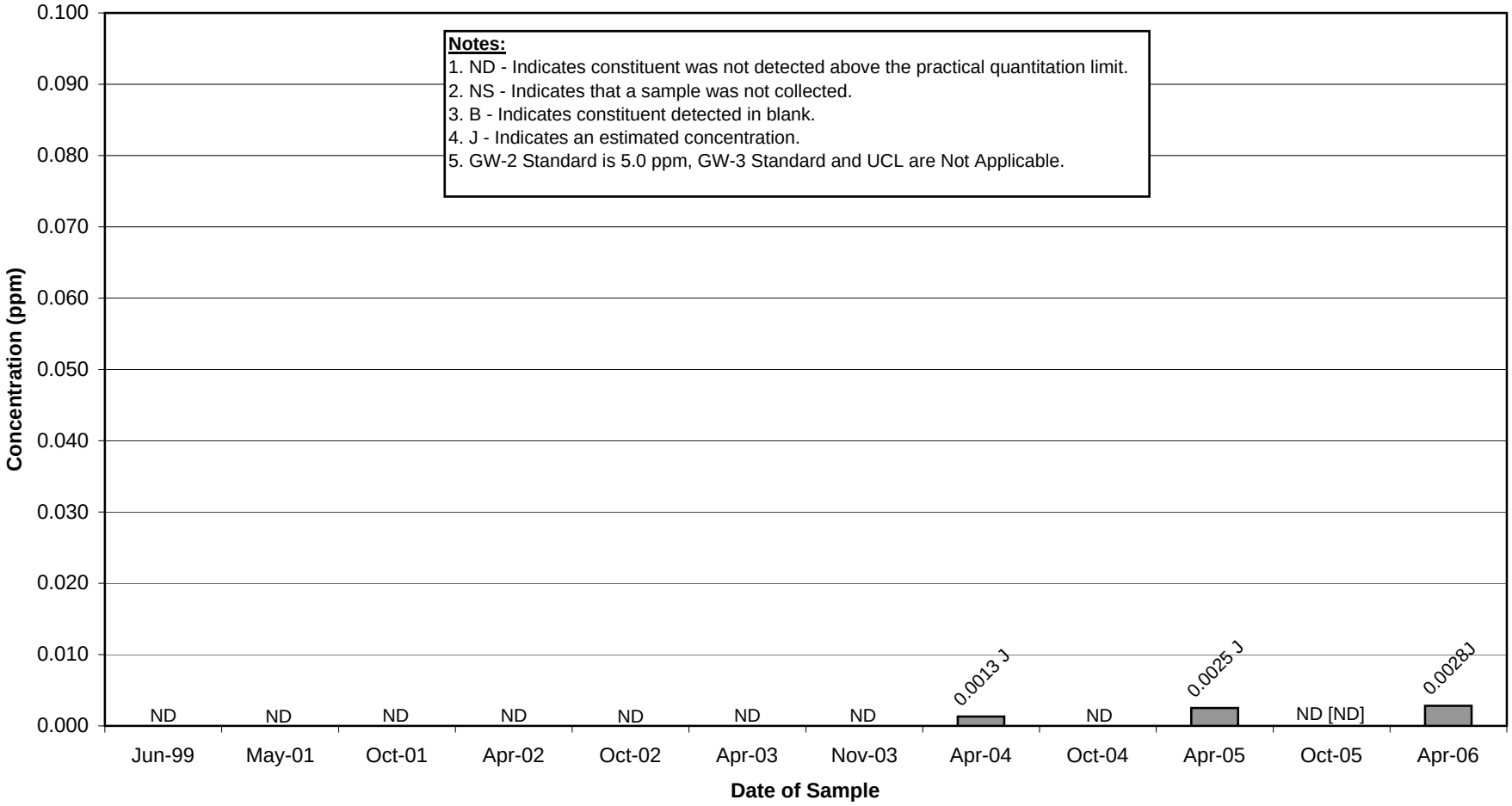
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-2 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

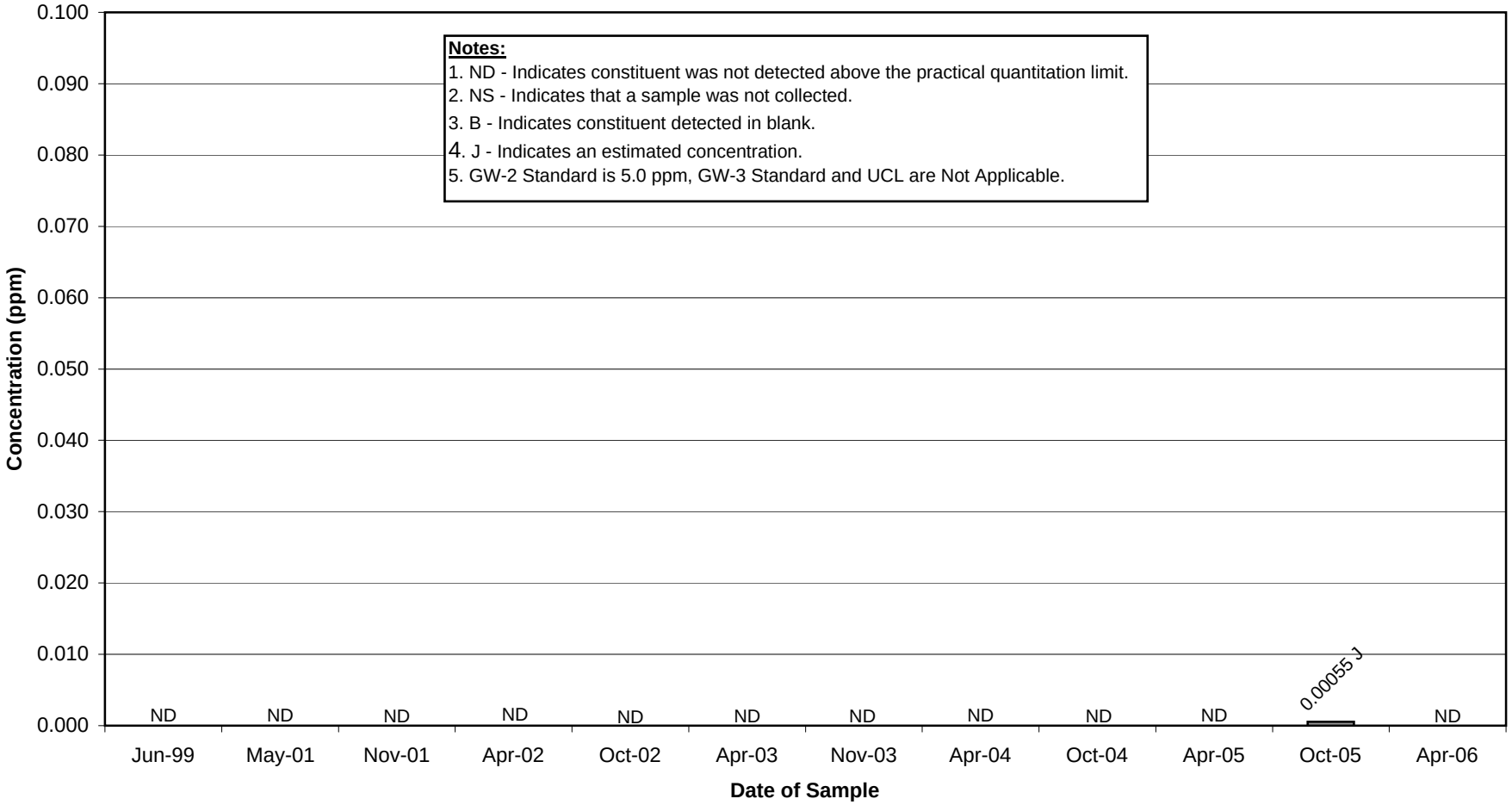
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-3 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

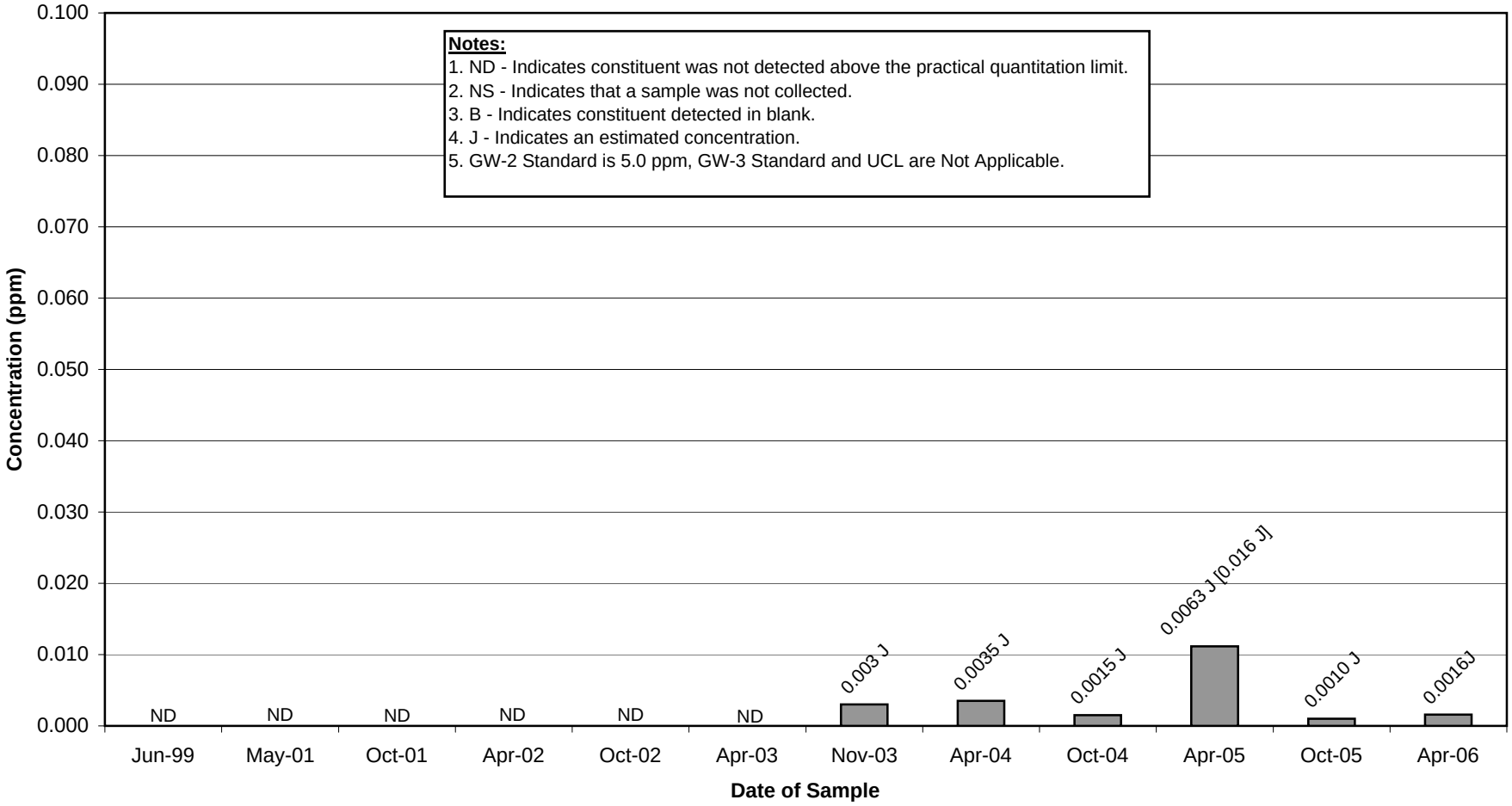
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-4 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

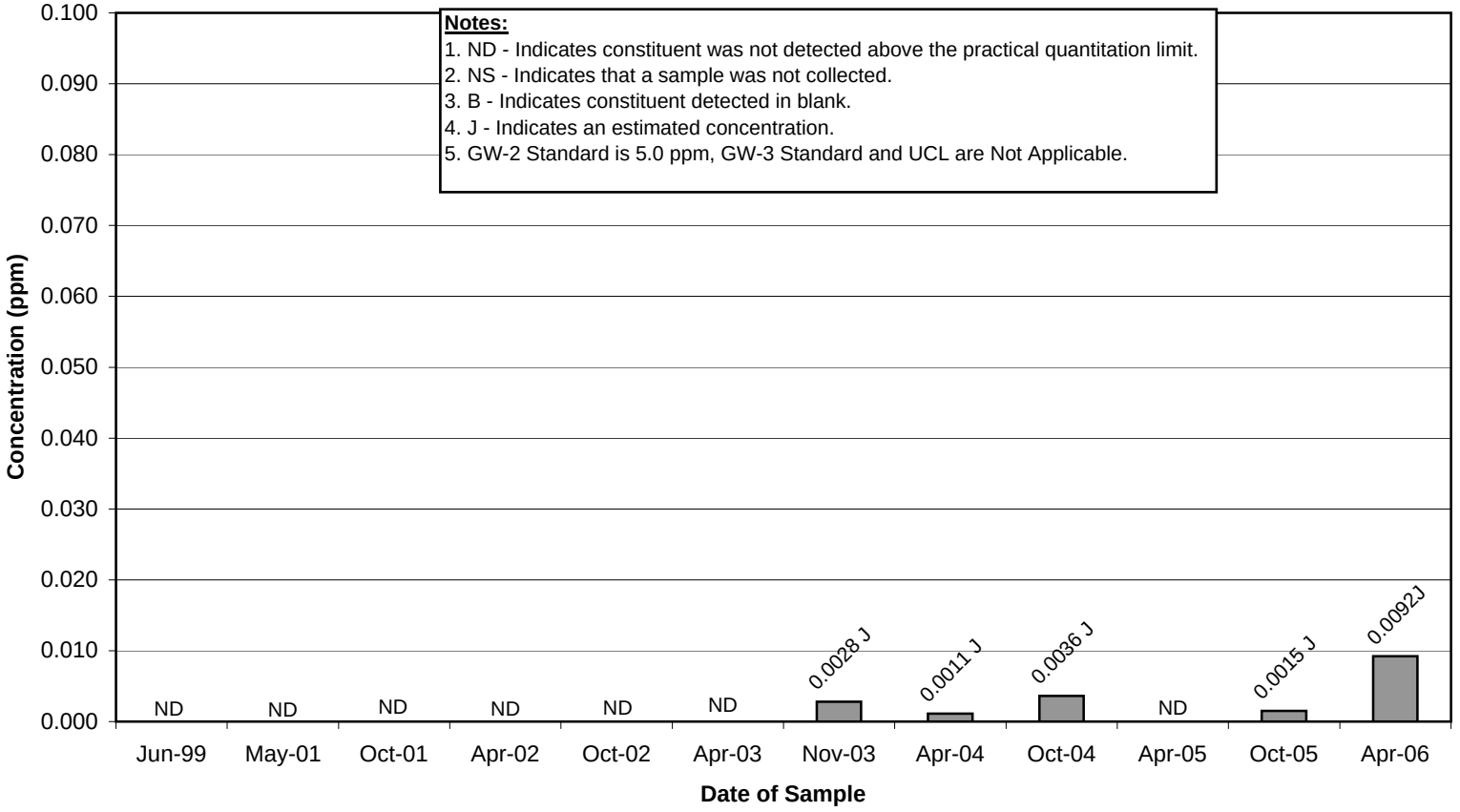
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-5R HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

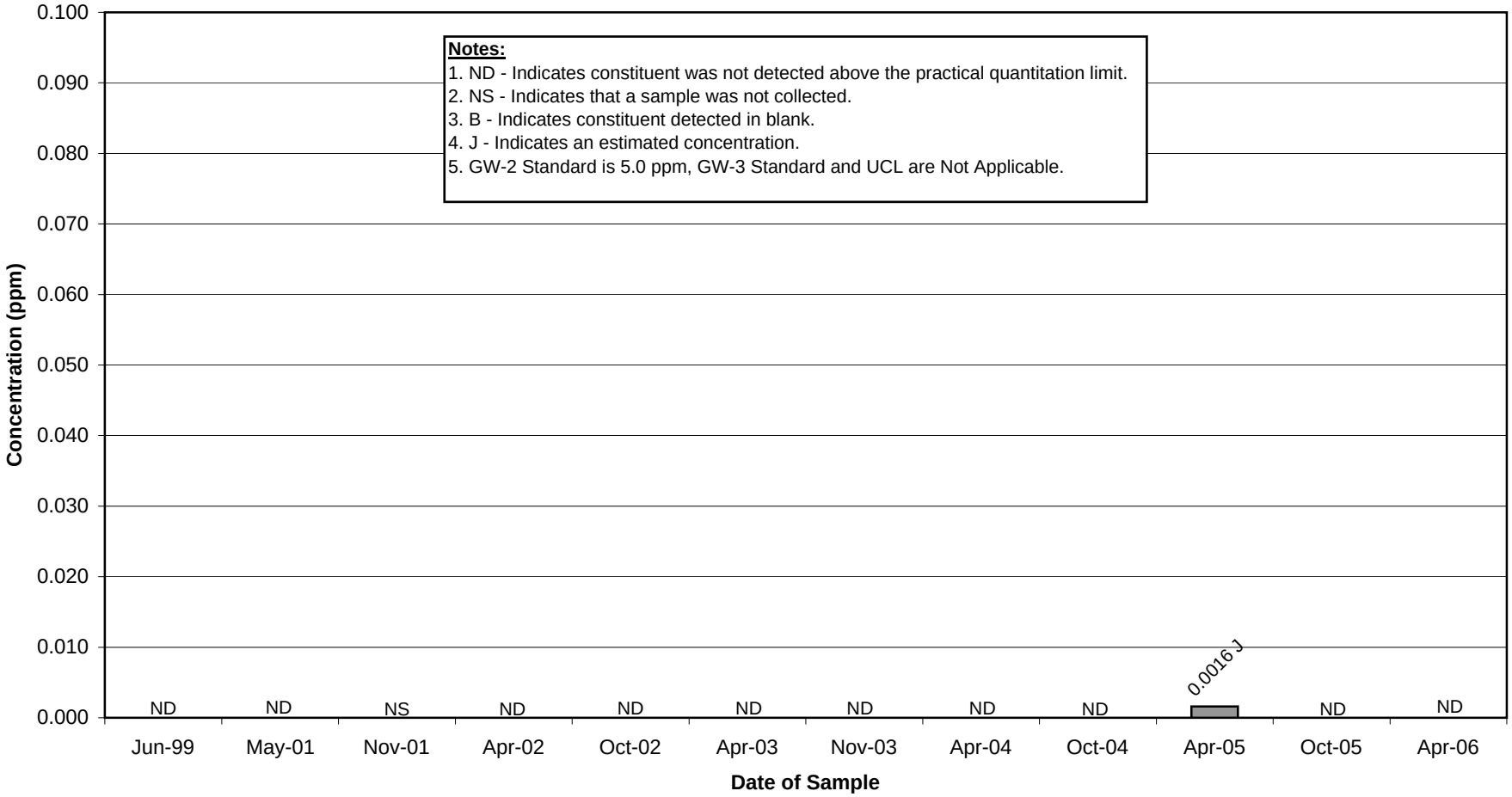
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-6 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

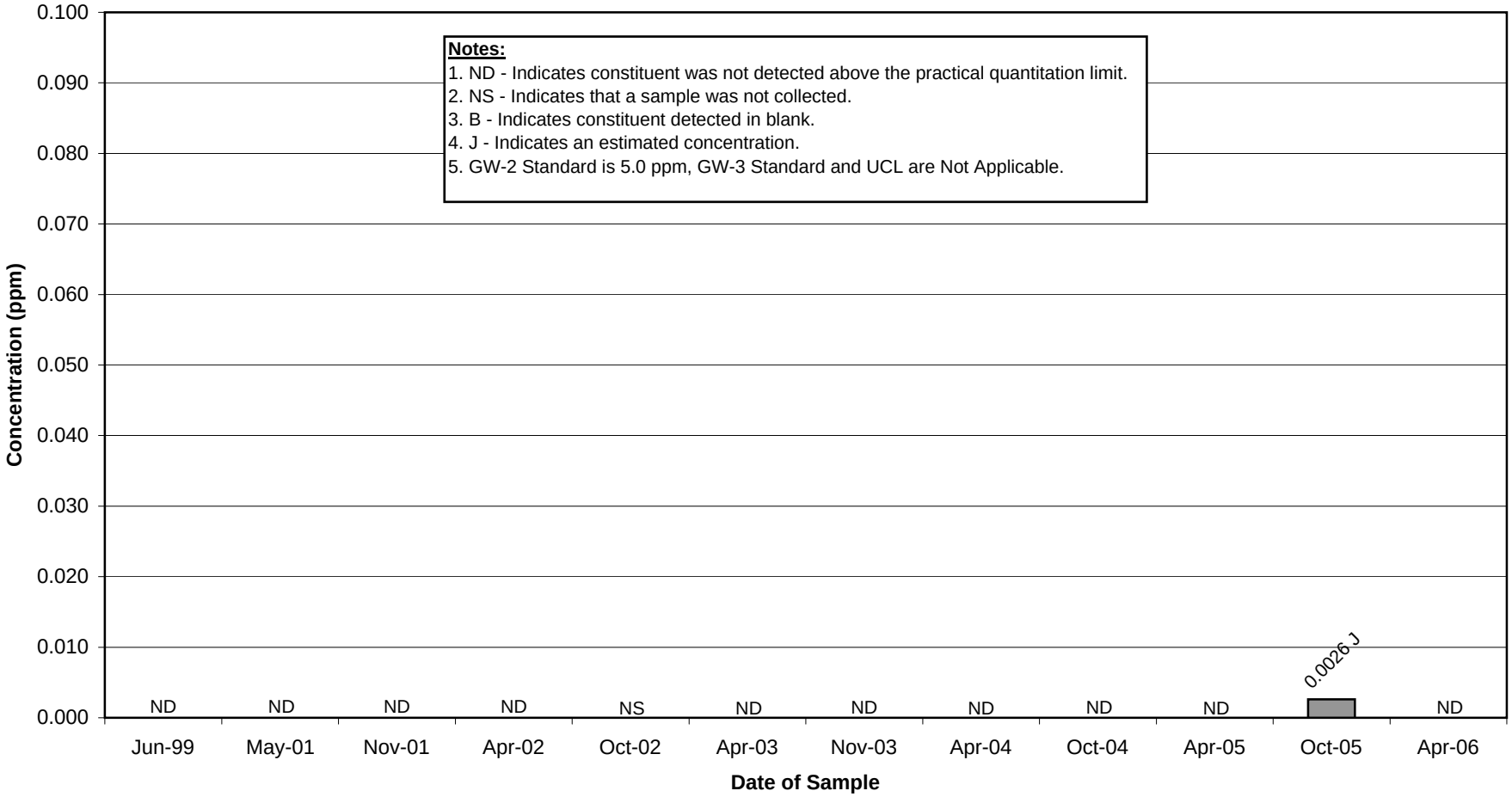
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-7 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

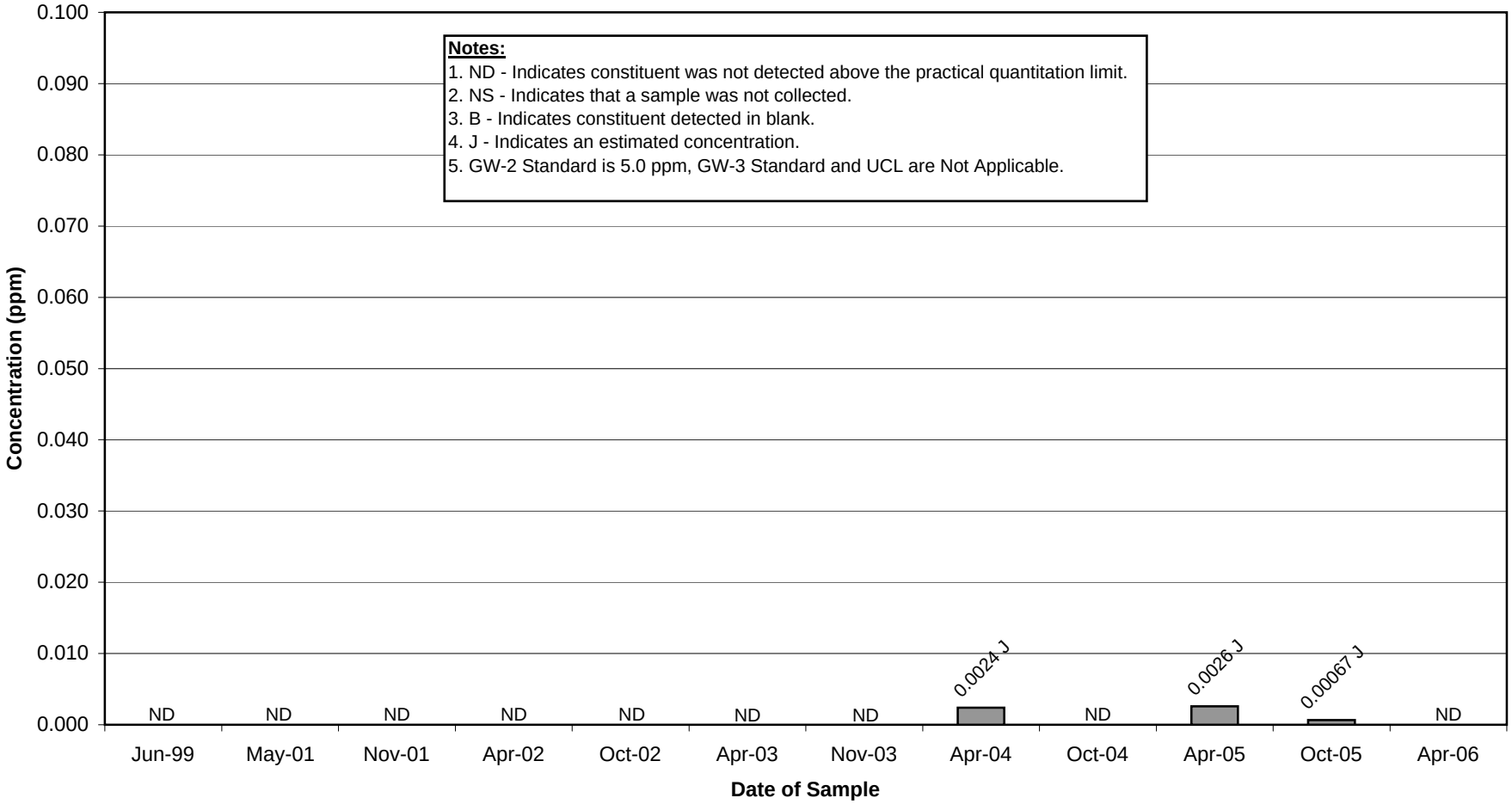
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-8 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

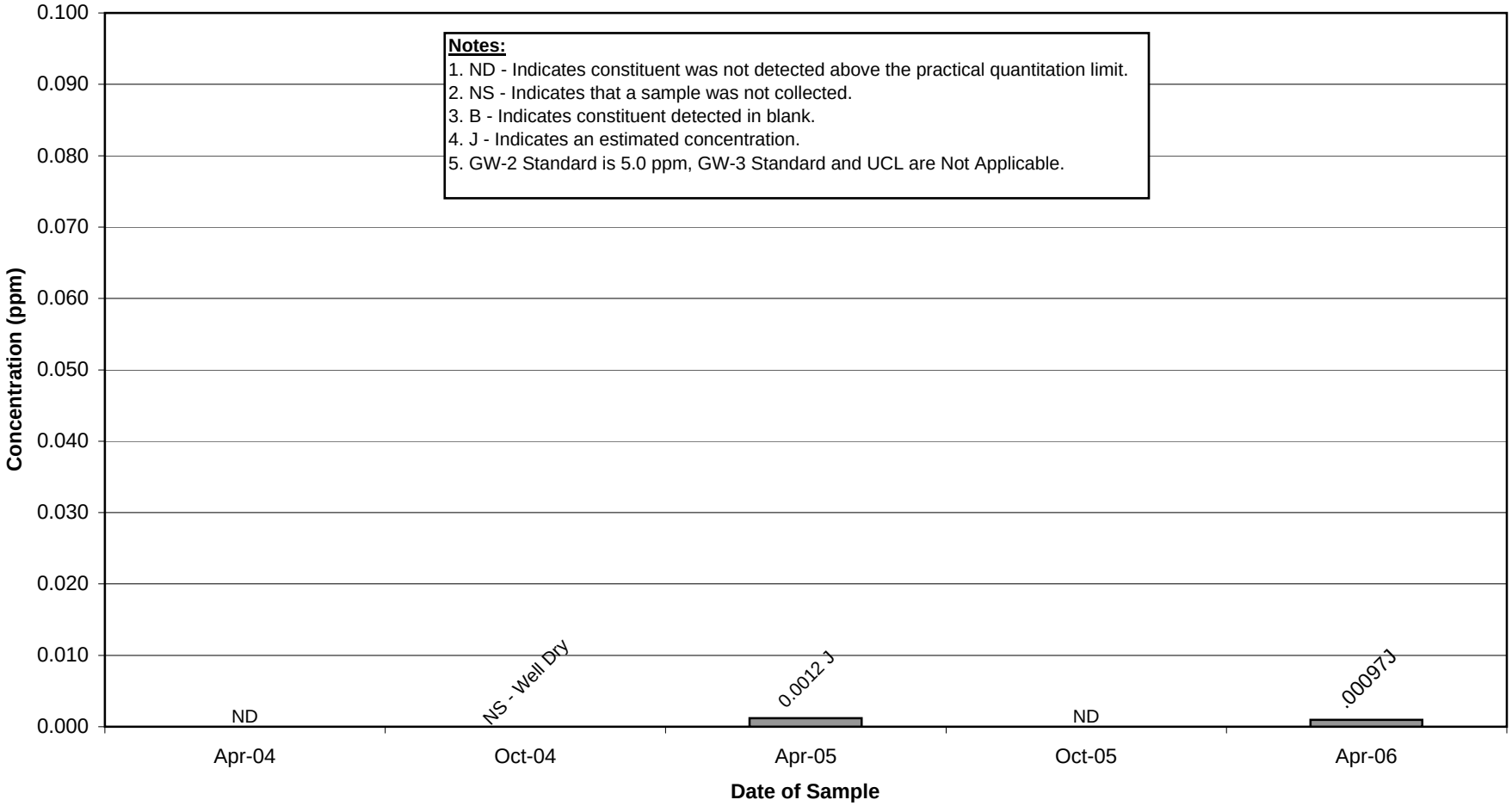
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL UB-MW-5 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



Historical Groundwater Data

Total PCB Concentrations – Wells Sampled in Spring 2006

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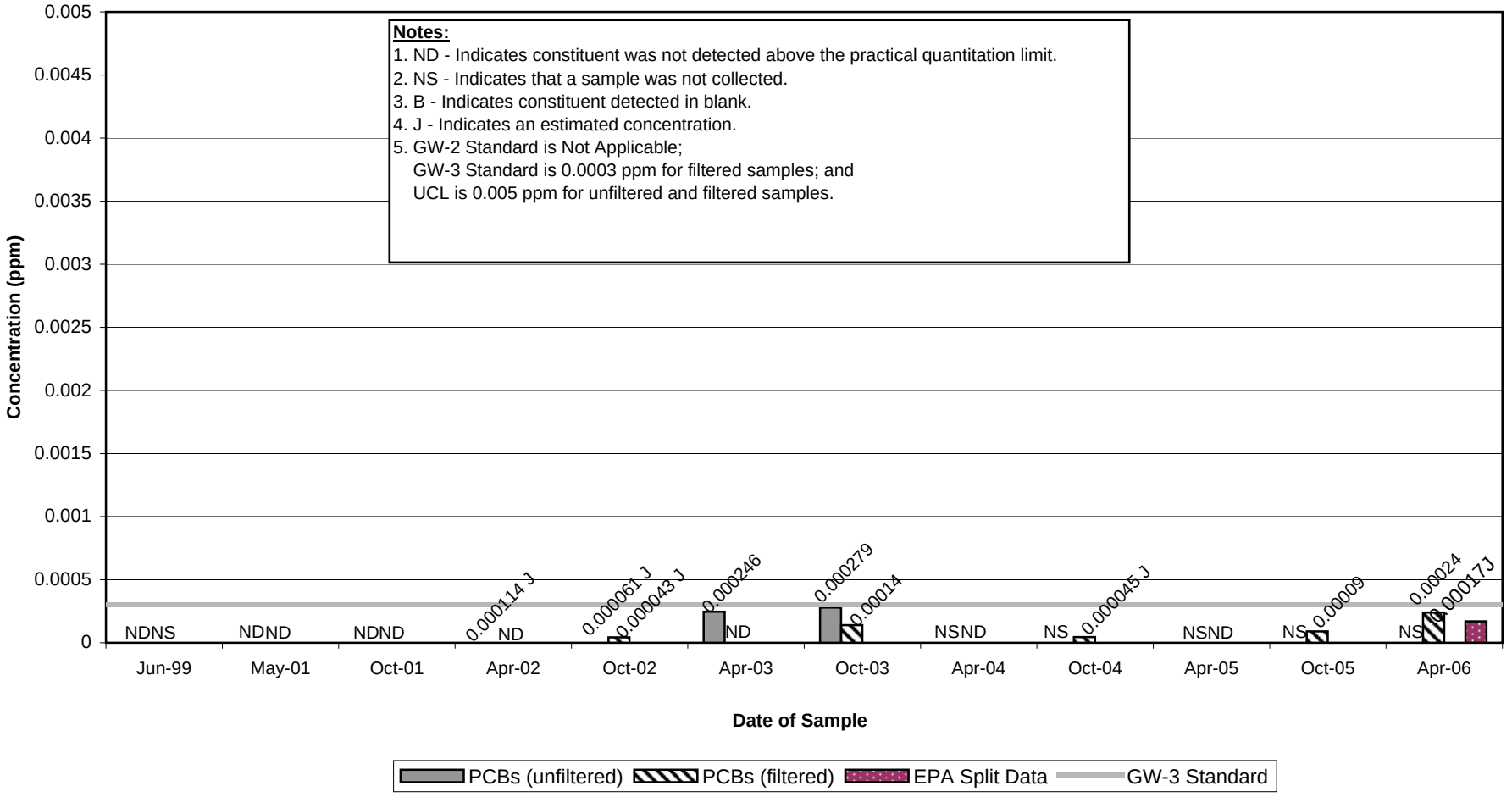
APPENDIX B
WELL 78-1 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

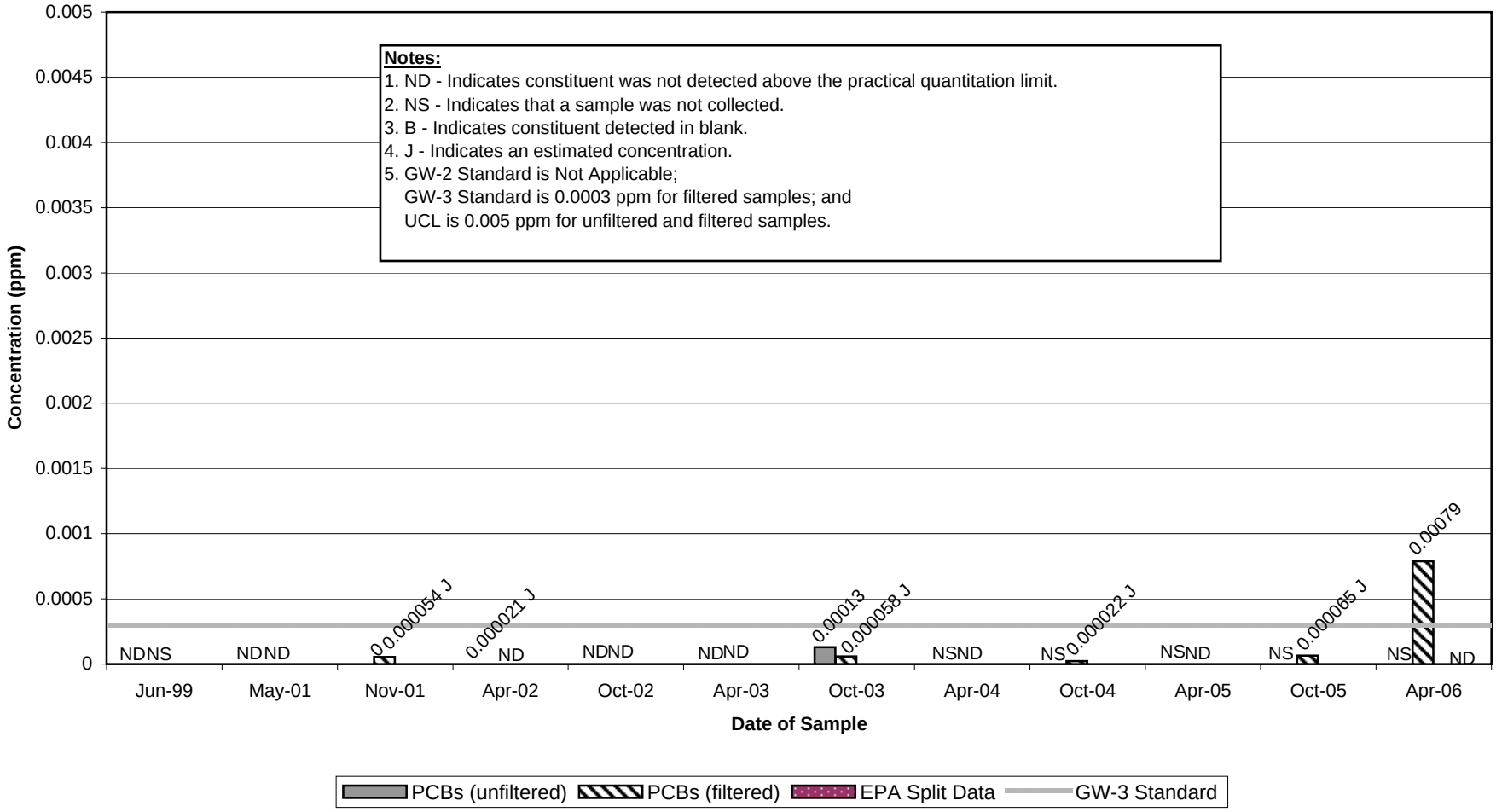
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL 78-6 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

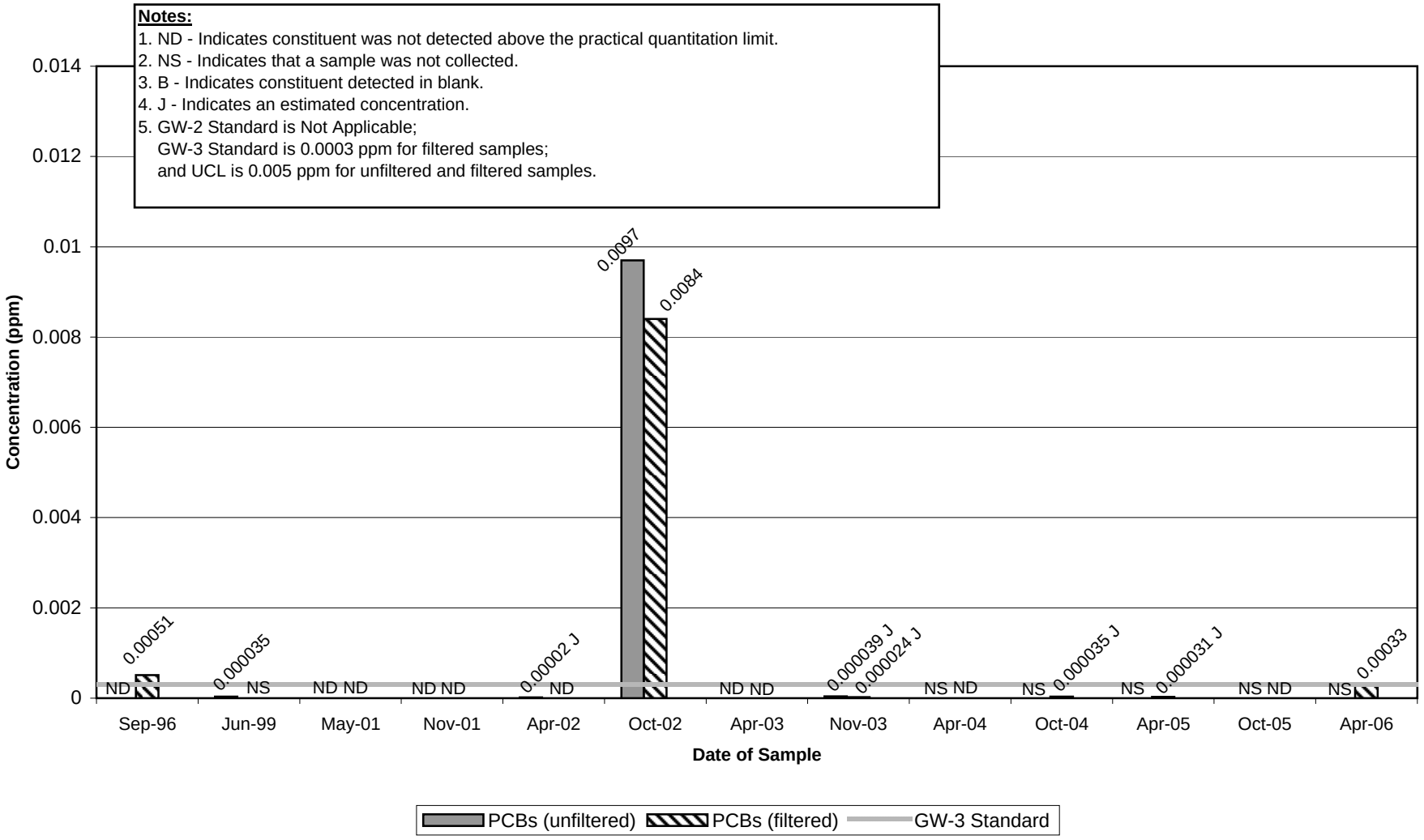
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL H78B-15 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

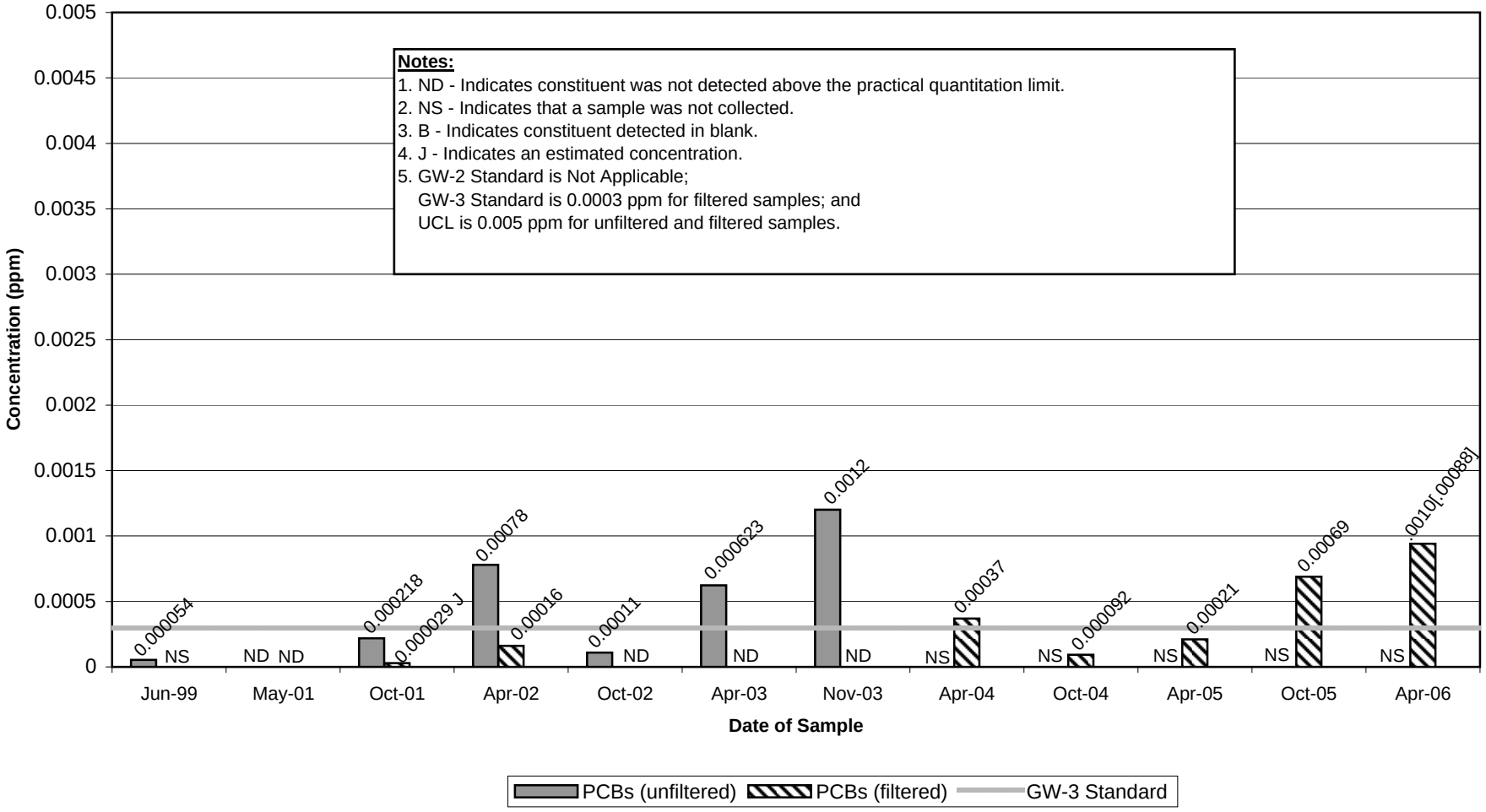
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-1 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

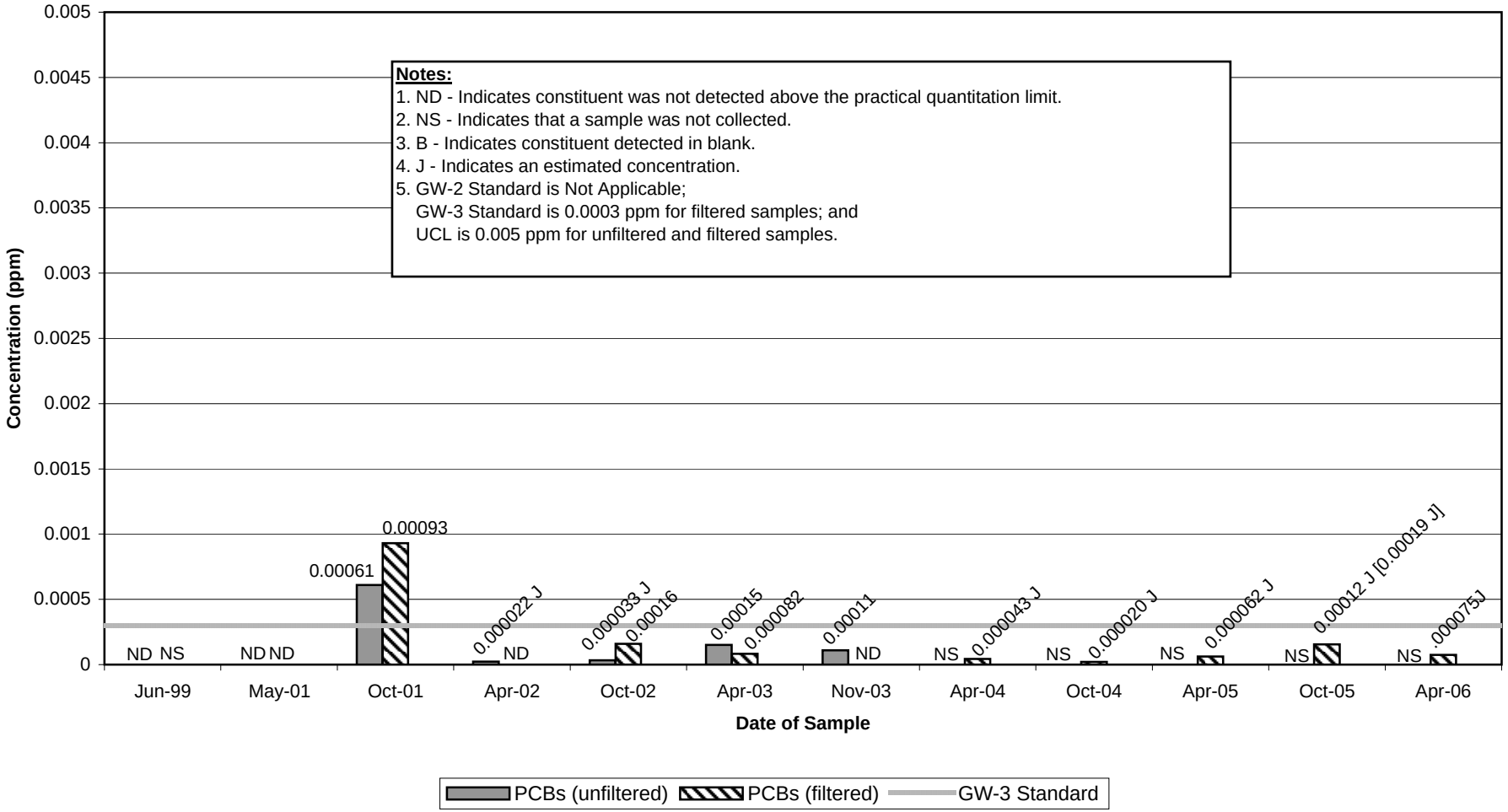
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-2 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

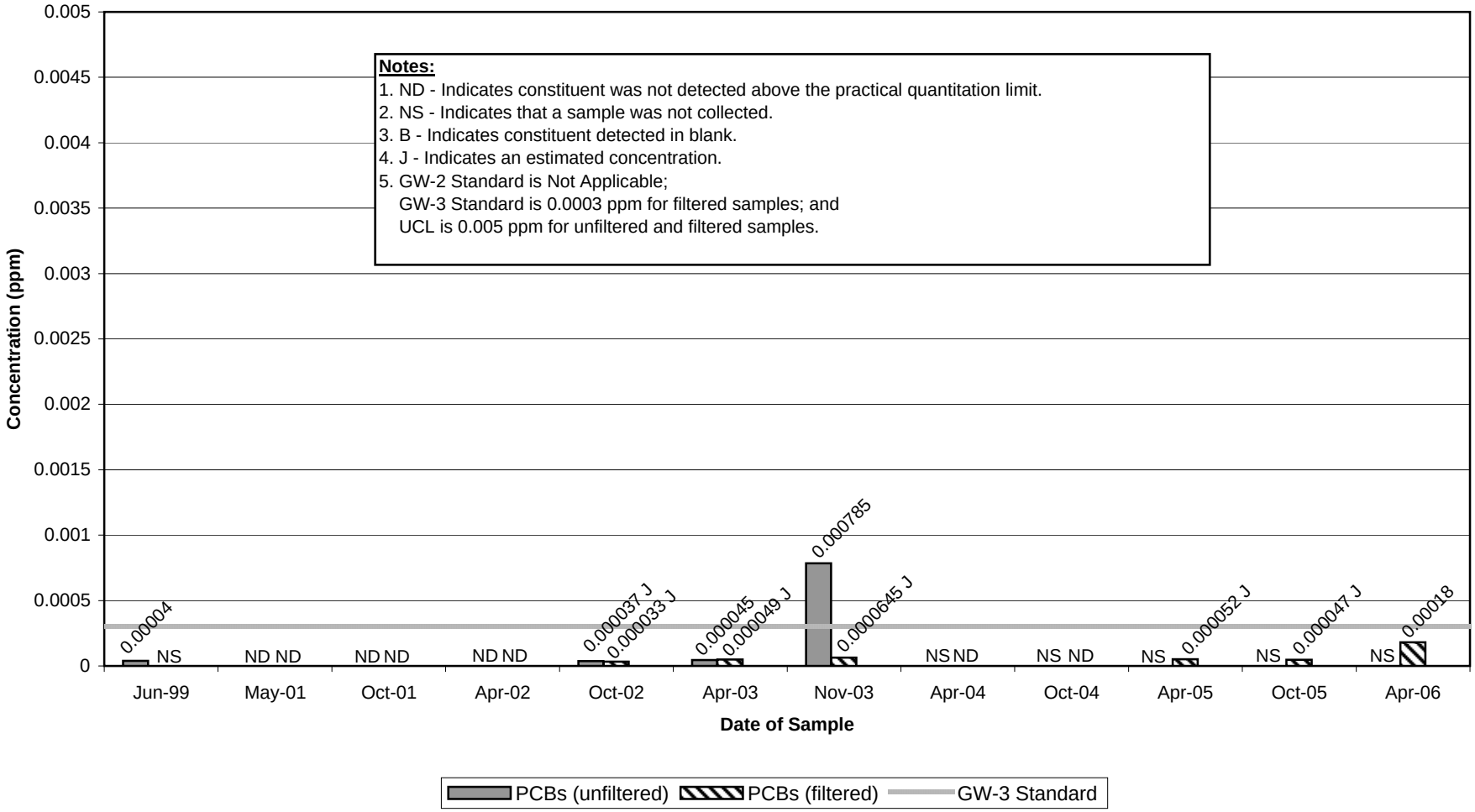
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-3 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

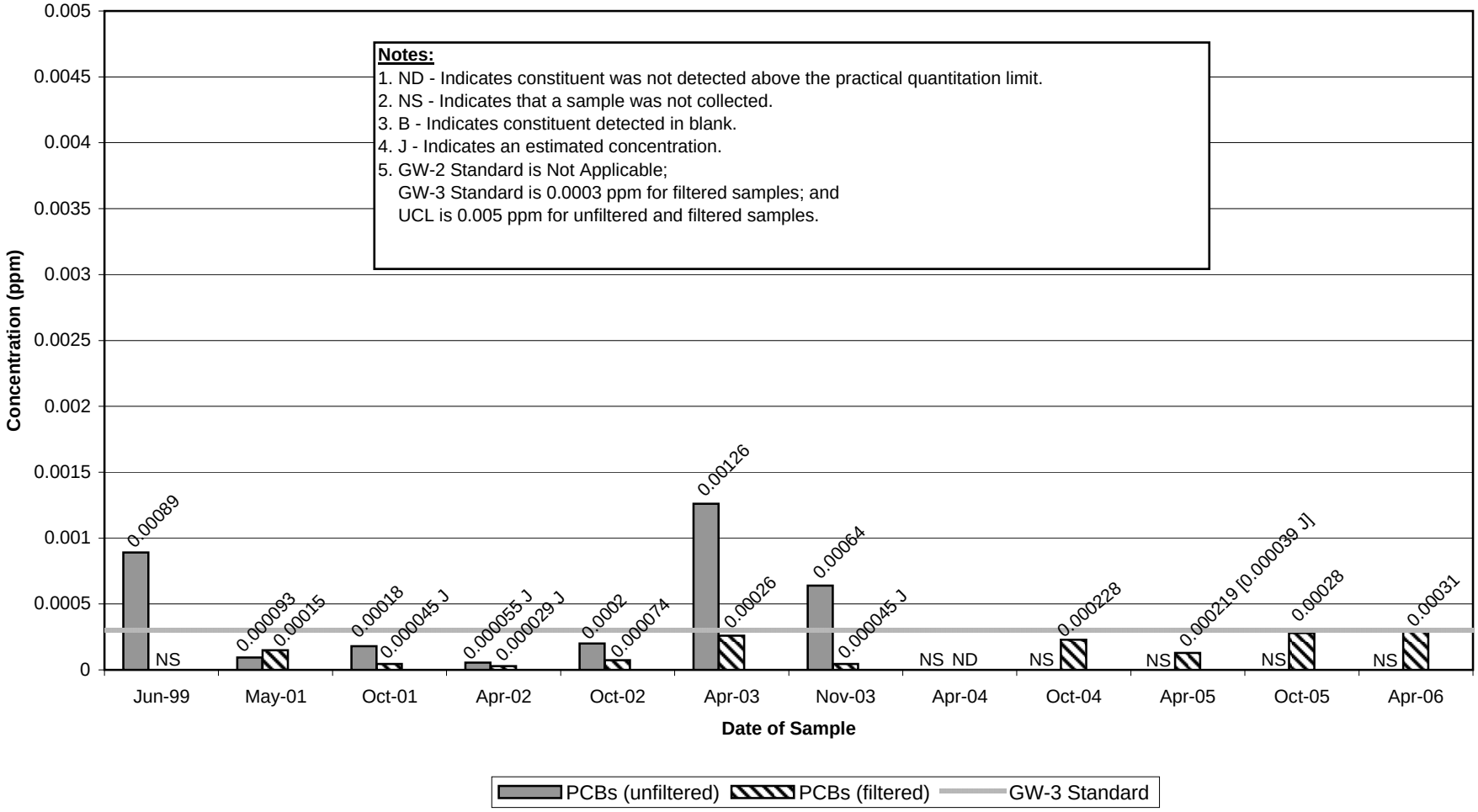
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-4 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

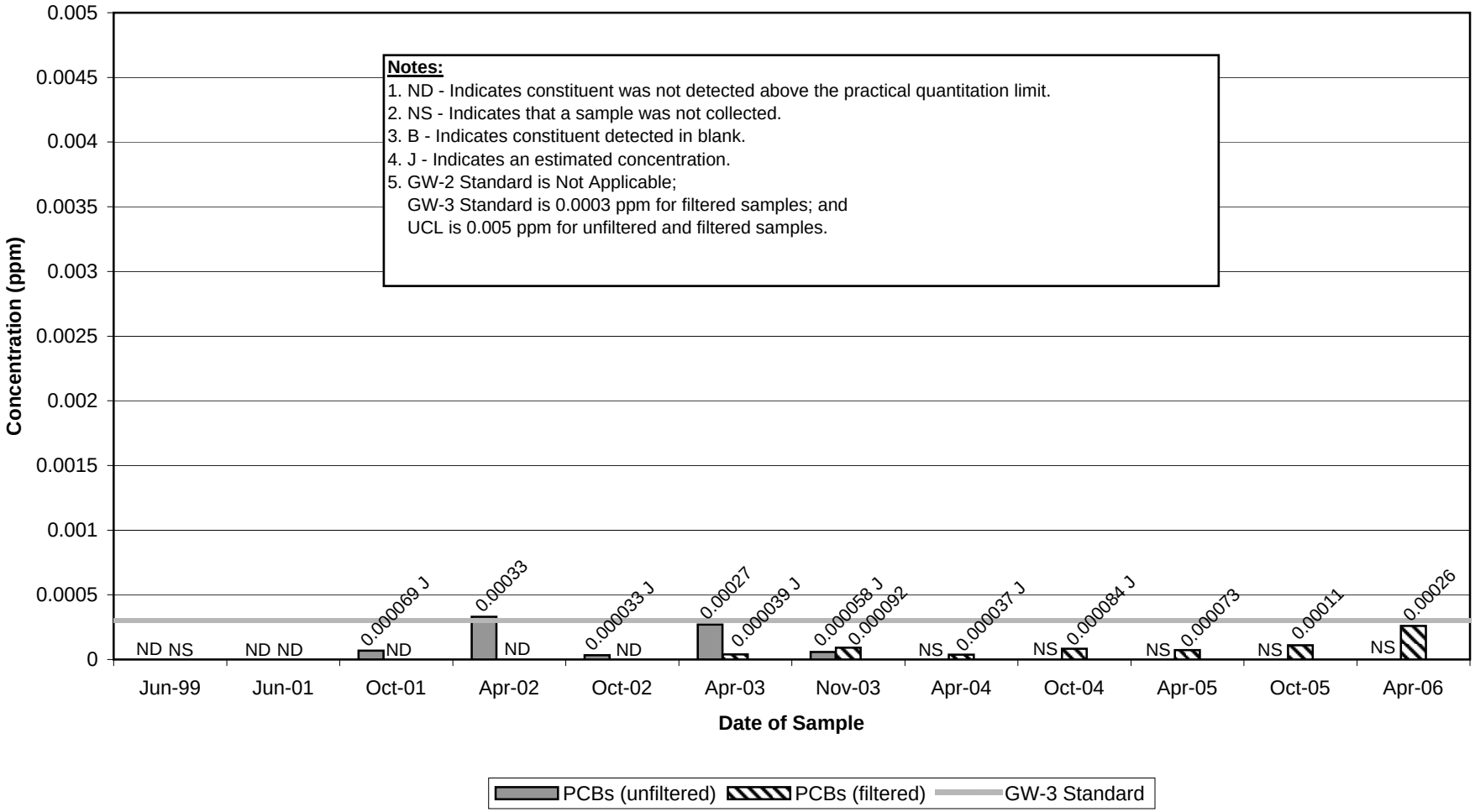
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-5R HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

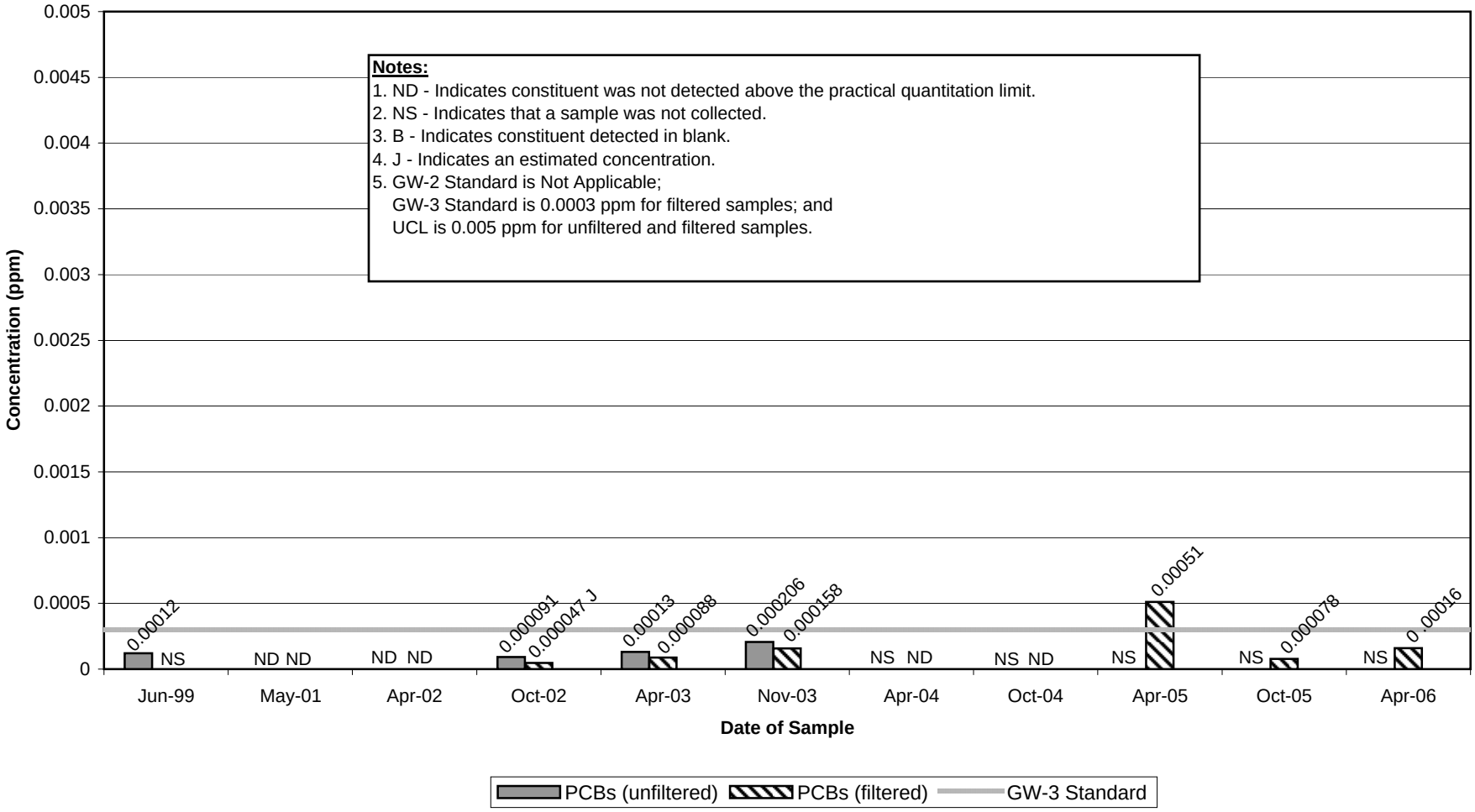
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-6 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

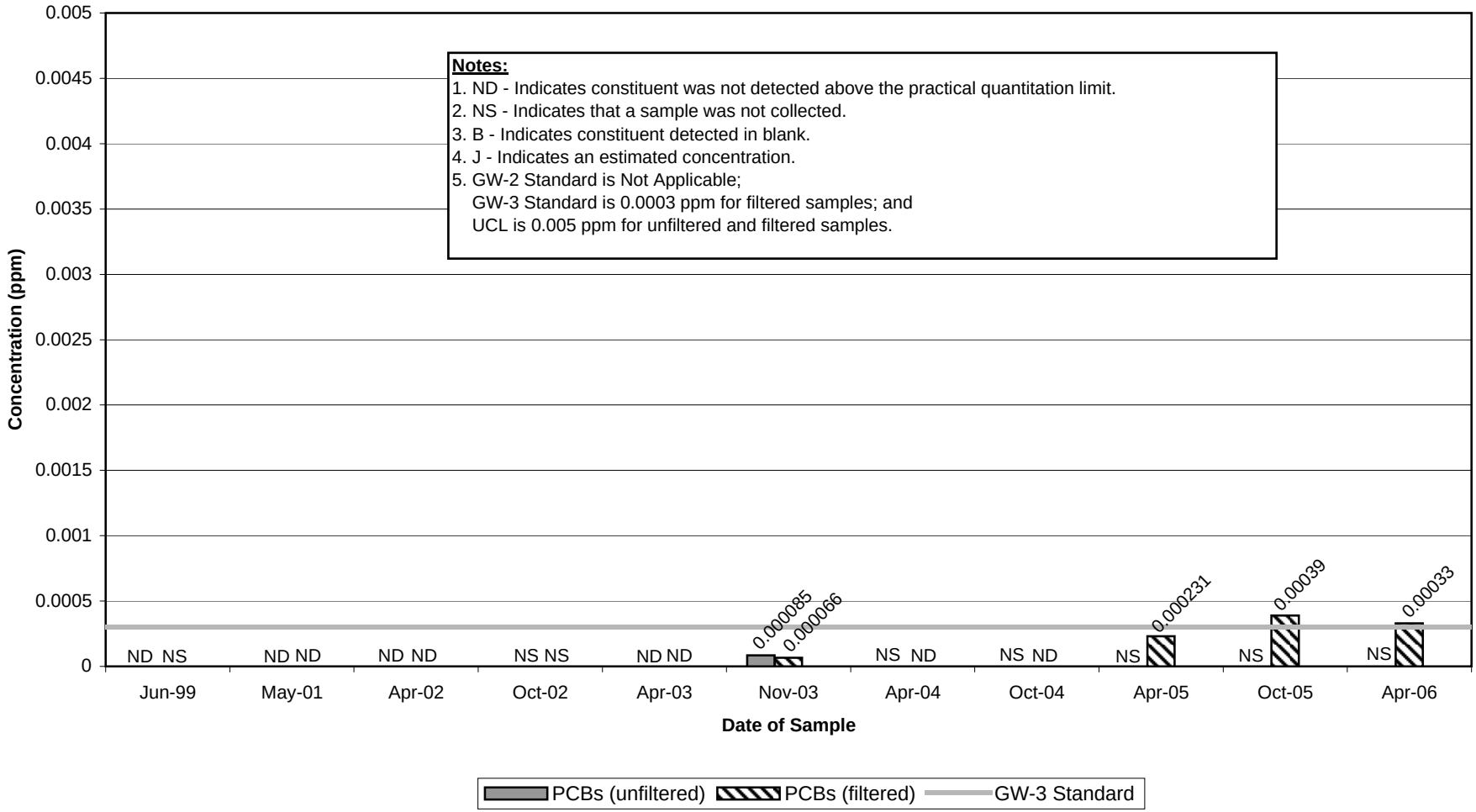
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-7 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

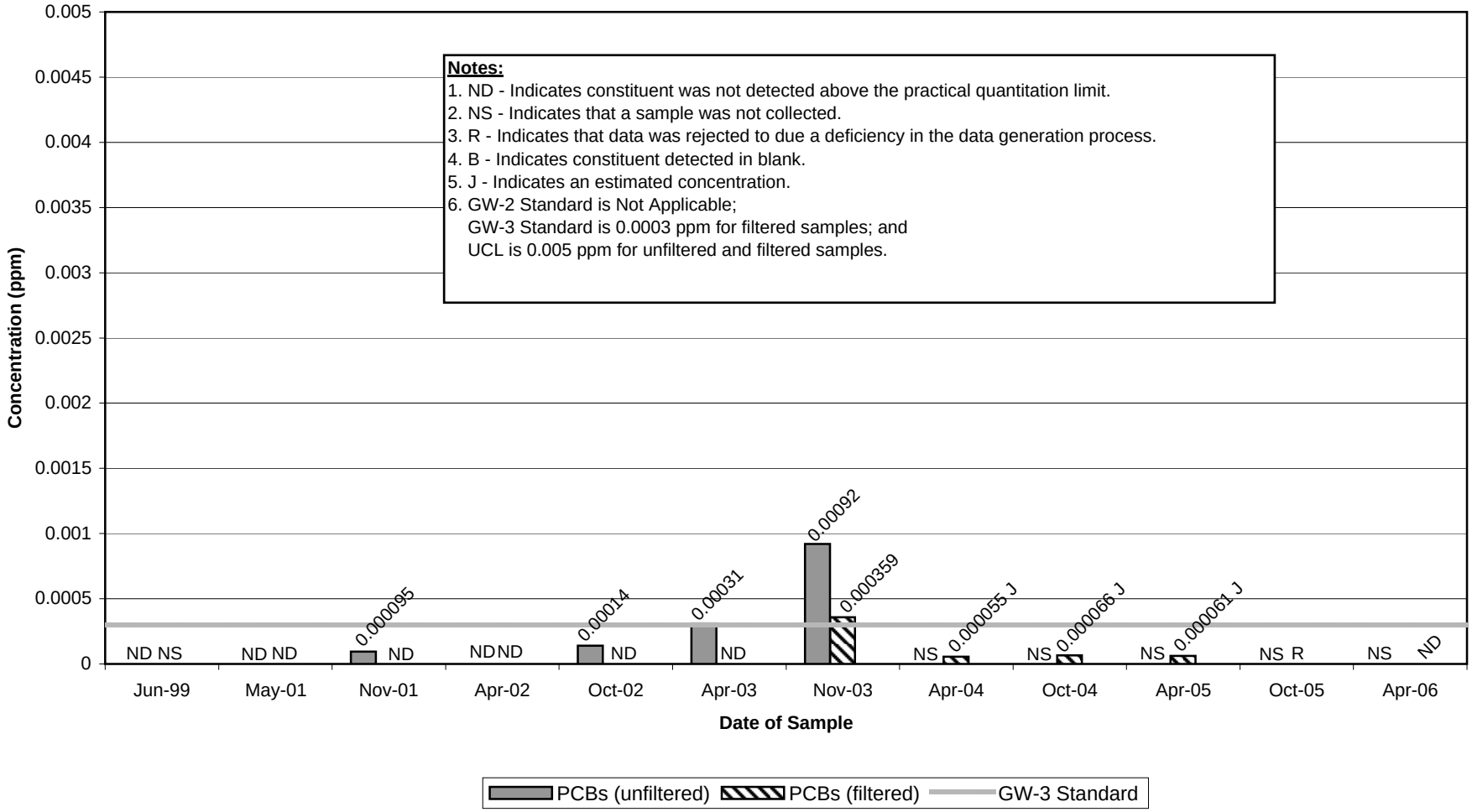
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-8 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

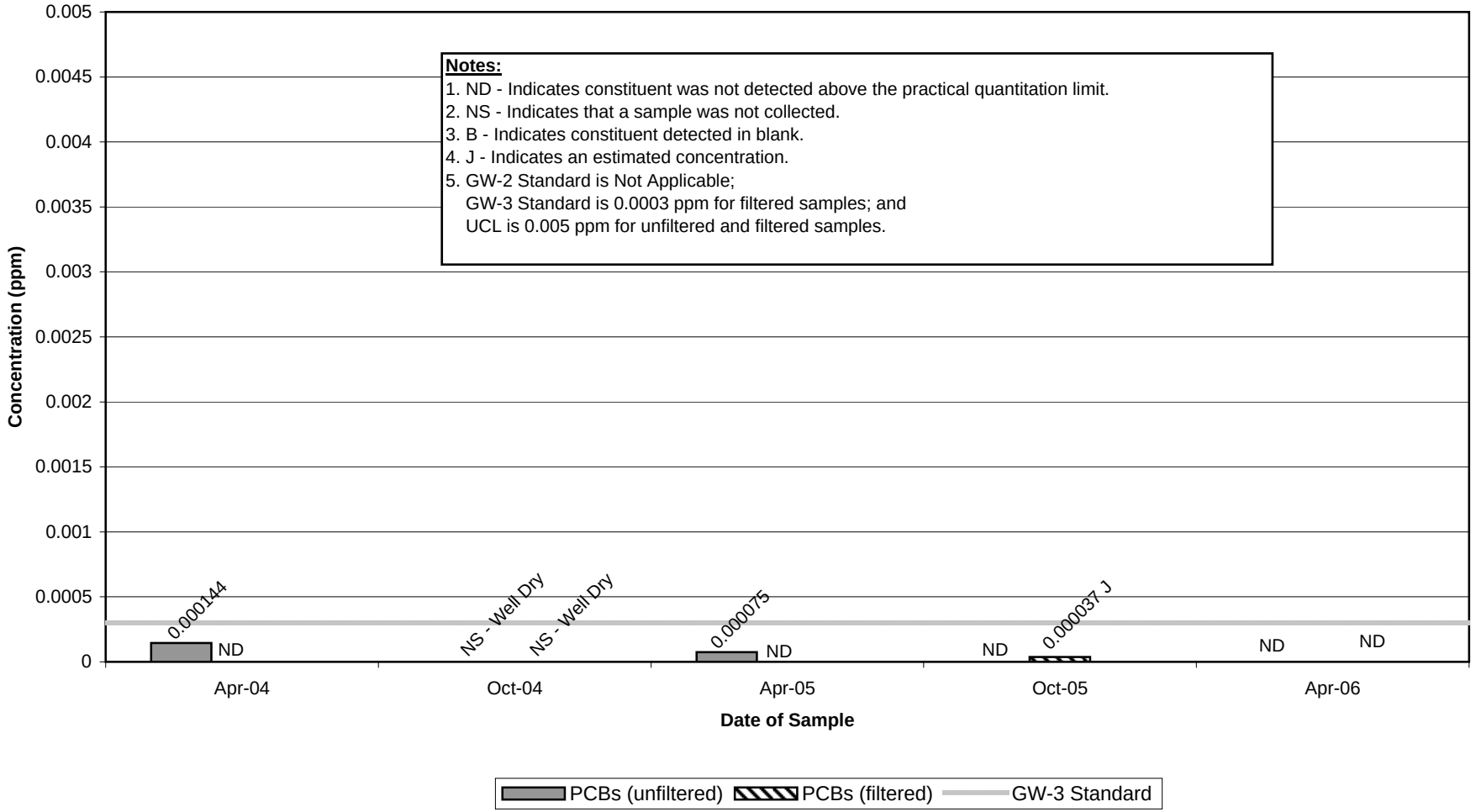
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL UB-MW-5 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



Historical Groundwater Data

Trichloroethene Concentrations – Selected Wells

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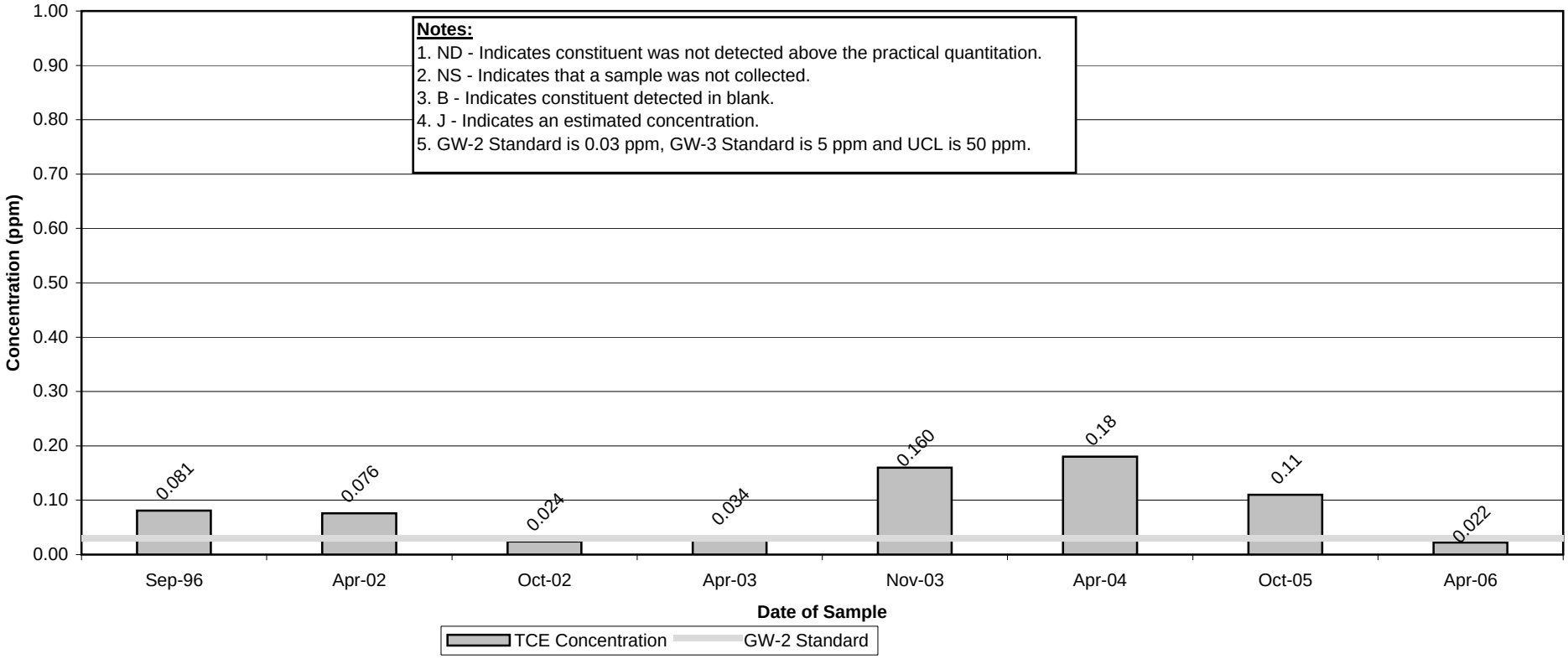
APPENDIX B
WELL H78B-16 HISTORICAL TRICHLOROETHENE CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

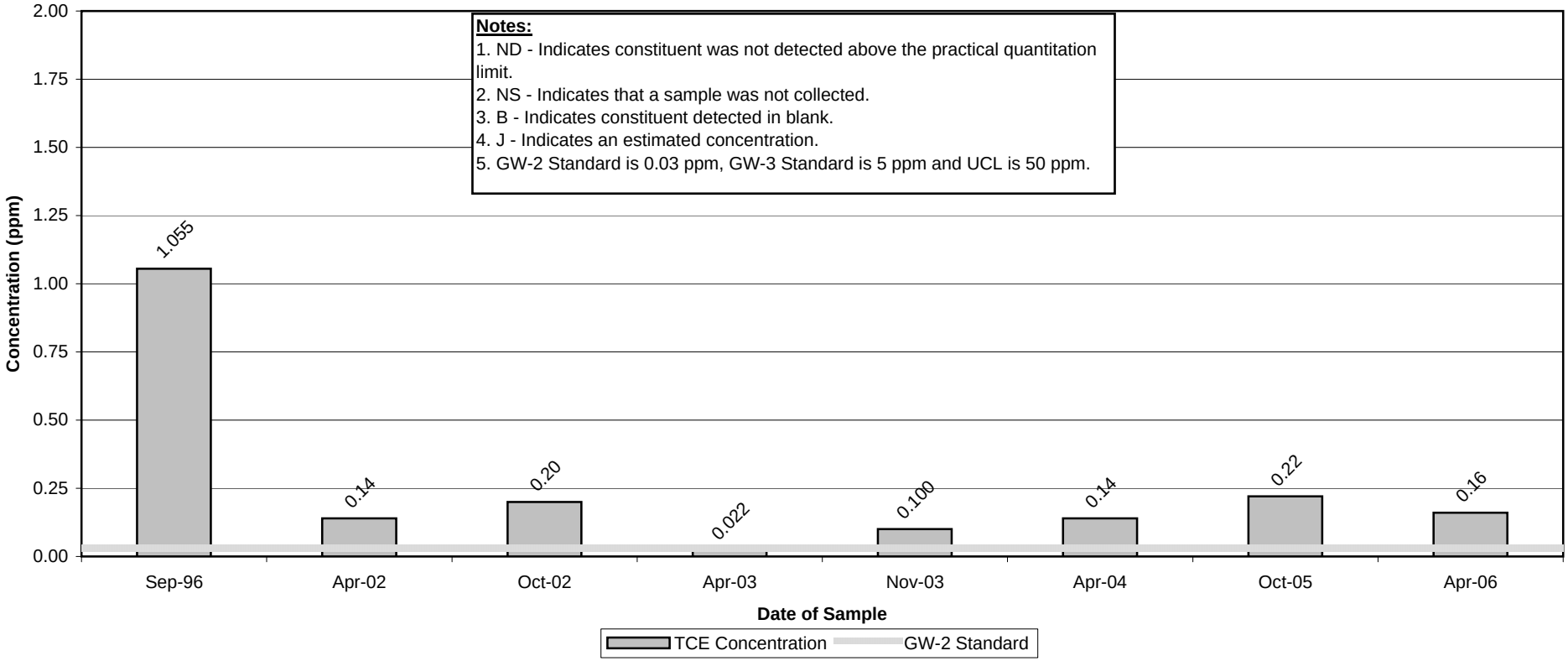
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL H78B-17R HISTORICAL TRICHLOROETHENE CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



Historical Groundwater Data

Vinyl Chloride Concentrations – Selected Wells

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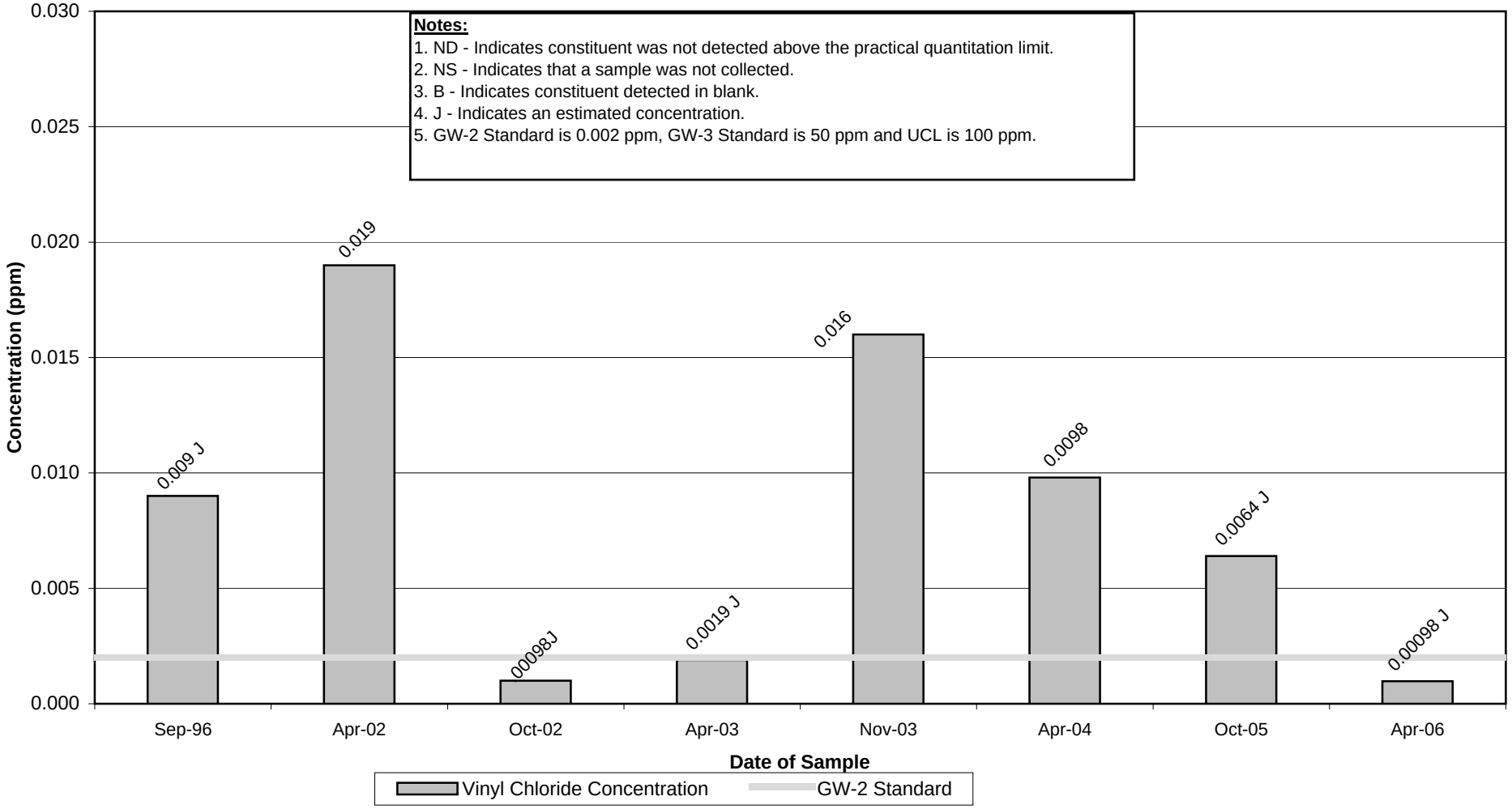
APPENDIX B
WELL H78B-16 HISTORICAL VINYL CHLORIDE CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

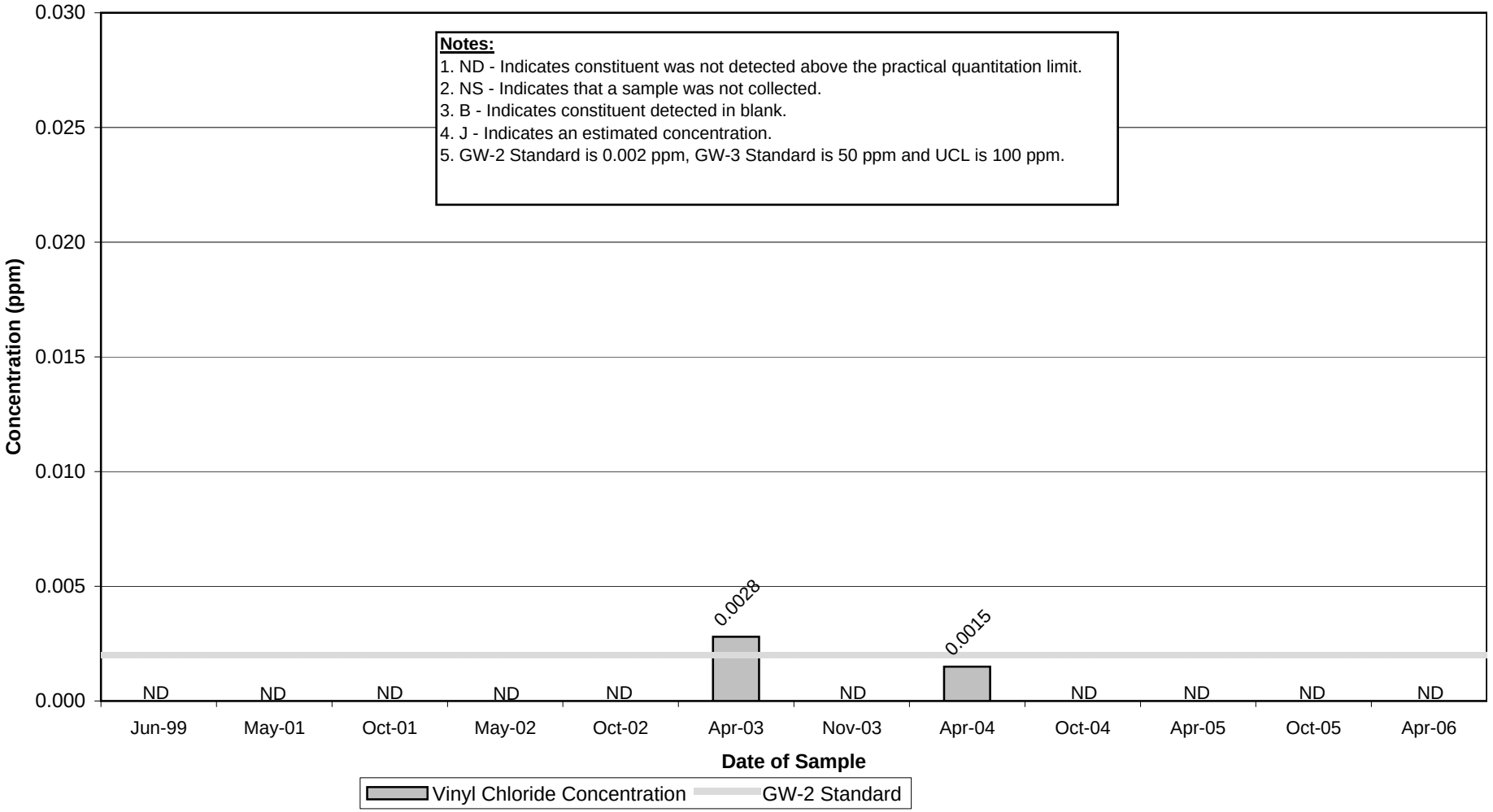
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-4 HISTORICAL VINYL CHLORIDE CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

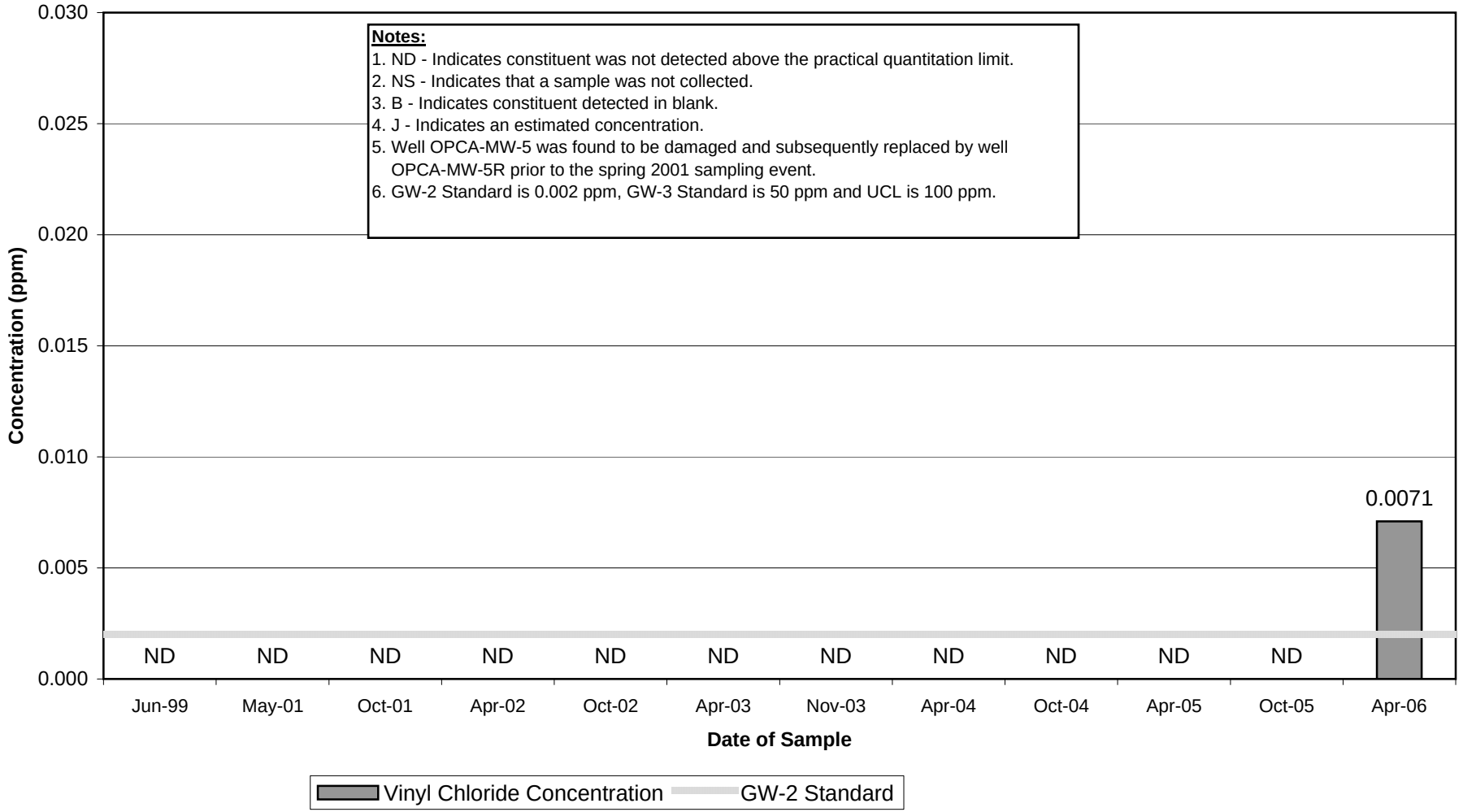
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX B
WELL OPCA-MW-5 & OPCA-MW-5R HISTORICAL VINYL CHLORIDE CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



Appendix C

Pittsfield Generating Company Groundwater Analytical Data

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TABLE C-1
SUMMARY OF PITTSFIELD GENERATING COMPANY GROUNDWATER DATA

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
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
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
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

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 12/29/98	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
Volatile Organics								
1,2 - Dichloroethene (total)	None	None	--	0.006	--	--	--	--
Acetone	50	100	--	--	--	--	--	--
Methylene chloride	50	100	--	--	--	--	--	--
Trichloroethene	20	100	0.024	0.032	0.026	0.021	0.015	0.016
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

TABLE C-1
SUMMARY OF PITTSFIELD GENERATING COMPANY GROUNDWATER DATA

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results in ppm)

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 12/11/01	ASW-5 6/12/02	ASW-5 12/6/02	ASW-5 6/2/03	ASW-5 12/1/03	ASW-5 6/7/04
Volatile Organics								
1,2 - Dichloroethene (total)	None	None	--	--	--	--	--	--
Acetone	50	100	--	--	--	--	0.017	--
Methylene chloride	50	100	--	--	--	--	--	--
Trichloroethene	20	100	0.013	0.021	0.012	0.022	0.016	0.019
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 12/13/04	ASW-5 6/7/05	ASW-5 12/7/05	ASW-5 6/6/06
Volatile Organics						
1,2 - Dichloroethene (total)	None	None	--	--	--	--
Acetone	50	100	--	--	--	--
Methylene chloride	50	100	--	--	--	--
Trichloroethene	20	100	0.017	0.018	0.018	0.014
PCBs - Unfiltered						
PCB-1254	None	None	--	--	--	--
PCB-1260	None	None	--	--	--	--
Total PCBs	Not Applicable	0.005	--	--	--	--
PCBs - Filtered						
PCB-1254	None	None	NA	NA	NA	NA
PCB-1260	None	None	NA	NA	NA	NA
Total PCBs	0.0003	0.005	NA	NA	NA	NA

TABLE C-1
SUMMARY OF PITTSFIELD GENERATING COMPANY GROUNDWATER DATA

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

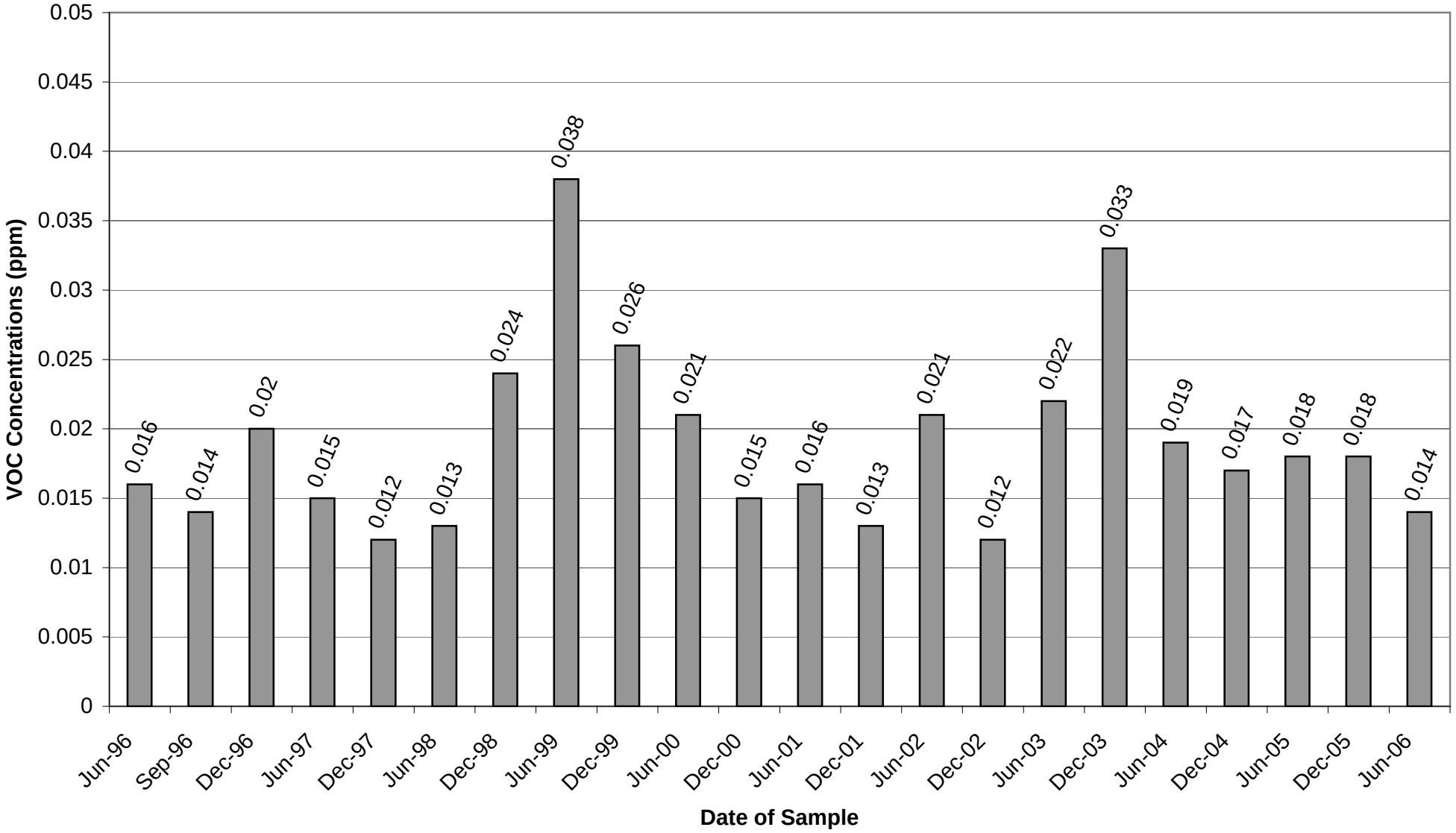
(Results in ppm)

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 C

SUMMARY OF PITTSFIELD GENERATING COMPANY GROUNDWATER DATA
WELL ASW-5 HISTORICAL TOTAL VOC CONCENTRATIONS

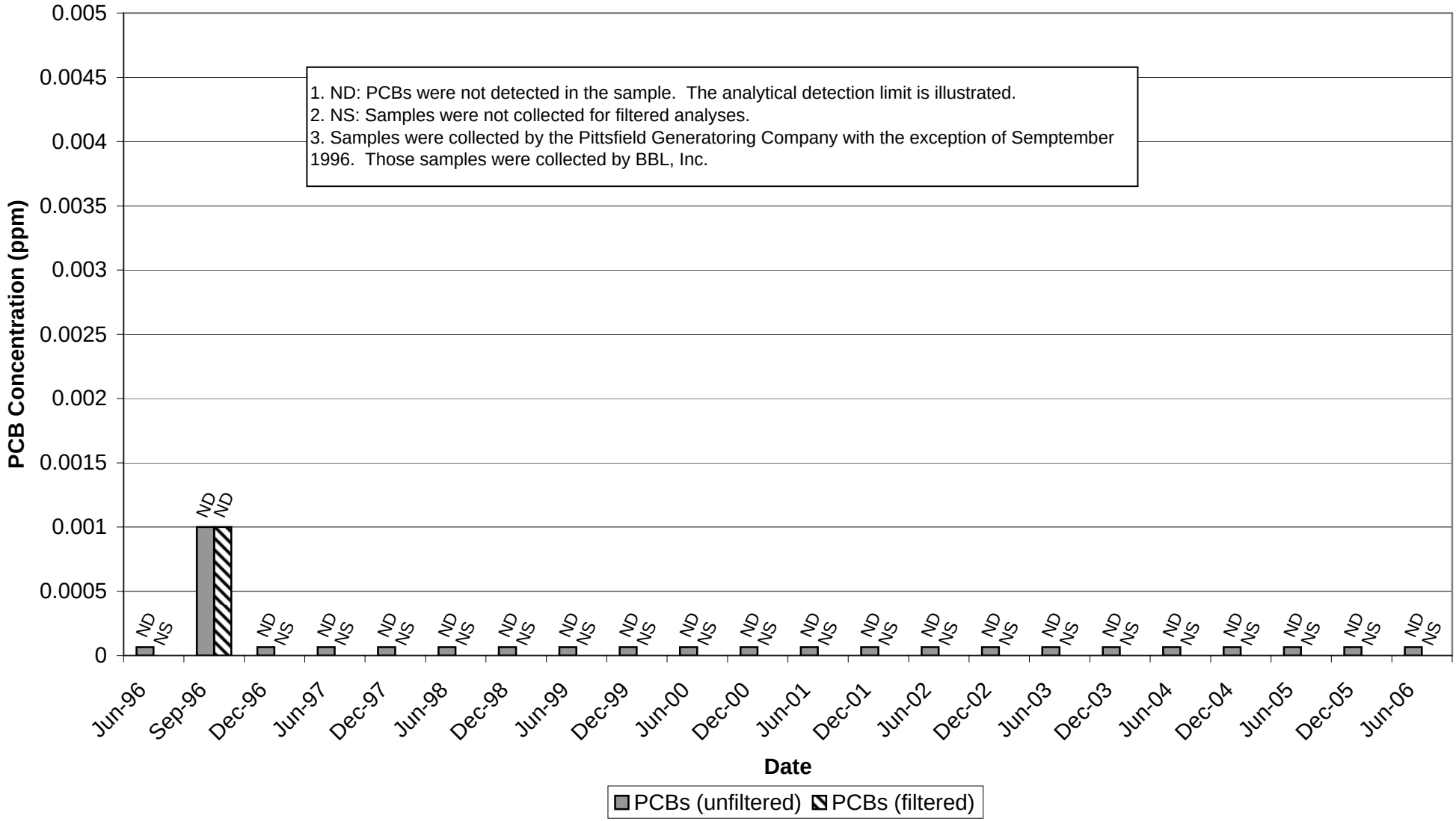
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



APPENDIX C

SUMMARY OF PITTSFIELD GENERATING COMPANY GROUNDWATER DATA
WELL ASW-5 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



Appendix D

Field Sampling Data

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TABLE D-1
GROUNDWATER SAMPLING METHODS

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
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	13.0	12	8-23	Near Till Interface
78-6	Peristaltic	10.3	13	3-18	Above Till Interface
H78B-15	Peristaltic	12.7	14	6-16	Near Till Interface
H78B-16 [2]	Peristaltic	9.5	14	4-14	Mid-Column
H78B-17R [2]	Bladder	12.7	14	14.3-23.6	Mid-Column
OPCA-MW-1	Peristaltic	8.1	14	20.1-30.1	Mid-Screen
OPCA-MW-2	Bladder	16.6	>23	13-23	Mid-Column
OPCA-MW-3	Bladder	21.3	>28	18-28	Mid-Column
OPCA-MW-4	Peristaltic	13.8	>22	12-22	<5 ft Below Water Table
OPCA-MW-5R	Peristaltic	14.0	17	11.25-21.25	Near Till Interface
OPCA-MW-6	Bladder	19.3	>25	15-25	Mid-Column
OPCA-MW-7	Peristaltic	19.3	18	14-24	Near Till Interface
OPCA-MW-8	Bladder	14.4	7	13.5-23.5	Mid-Column
UB-MW-5	Peristaltic	15.0	2	7-17	<5 ft Below Water Table

NOTES:

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

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

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

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

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

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

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

TABLE D-2
SUMMARY OF HISTORICAL GROUNDWATER SAMPLING METHODS

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Sampling Method									Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	Spring 2006	
78-1	PP/BA	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	Fall 2002: PCDD/F sample bottle was damaged during shipment (re-collected next day).
H78B-15	PP/BA	BP	PP	PP	PP	PP	PP	PP	PP	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	
H78B-17R	BP	PP	BP	BP	BP	NS	NS	BP	BP	Fall 2002: Dissolved oxygen meter malfunction.
OPCA-MW-1	PP/BA	BP	PP	PP	PP	PP	PP	PP	PP	Spring 2005: pH meter malfunctioned, corrected in field and recalibrated.
OPCA-MW-2	PP/BA	BP	BP	BP	BP	BP	BP	BP	BP	Spring 2003: Bladder pump to be used instead of submersible pump.
										Fall 2002: Very low flow rate needed to maintain water levels.
OPCA-MW-3	BP	BP	BP	BP	BP	BP	BP	BP	BP	
OPCA-MW-4	PP	BP	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	Fall 2002: Well dried during purging. Sample collected after recharge.
OPCA-MW-6	PP/BA	PP	BP	BP	BP	BP	BP	BP	BP	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	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 analyzed
										Fall 2002: Well dry - no sample collected.
OPCA-MW-8	BP	BP	BP	BP	BP	BP	BP	BP	BP	
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
Sampling Personnel JAP/TOR
Date 9/19/16
Weather Sunny, Windy, 40°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~0.2' Meas. From BGS
Well Diameter 4"
Screen Interval Depth 8-23' Meas. From BGS
Water Table Depth 10.29' Meas. From ~~BGS~~ TOC
Well Depth 22.51' Meas. From TOC
Length of Water Column 12.22'
Volume of Water in Well
Intake Depth of Pump/Tubing 15' Meas. From TOC

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

Redevelop? Y (N)

Sample Time 945
Sample ID 78-1
Duplicate ID —
MS/MSD —
EPA Split Sample ID HL-GW000052-0-6A19

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)	( )
(X)	Total Cyanide (Filtered)	(X)
( )	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) (Sulfide)	(X)

EVACUATION INFORMATION

Pump Start Time 901
Pump Stop Time 1125
Minutes of Pumping 144
Volume of Water Removed ~5.2gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER (S/N 021000028323
YSI 556 MPS #2 (S/N 03C0392 AE)

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
904	200	0.159	~~8.65~~ (P)	—	—	—	13	—	—
909	150	0.357	~~8.65~~ (P)	8.89	6.69	0.811	3	8.08	224.3
914	100	0.489	~~8.81~~ (P)	8.96	6.91	0.829	3	2.59	221.6
~~919~~*	100	0.648	10.65	8.68	7.08	0.831	3	6.37	218.6
925	100	0.780	10.65	8.57	7.04	0.829	3	2.14	215.9
930	100	0.912	10.65	8.60	7.06	0.828	3	1.77	210.2
935	100	1.045	10.70	8.50	7.13	0.827	3	1.75	206.3
940	100	1.177	10.75	8.56	7.15	0.826	3	1.69	203.2

10.65 (P)
10.65 (P)
10.81 (P)
920 (P)

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

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

* Took apart flow-through cell for air bubbles

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. 78-6 | Site/GMA Name GMA 4 HZU 7B
Key No. N/A | Sampling Personnel JJB, JTG
PID Background (ppm) 0.0 | Date 4/[illegible]/06
Well Headspace (ppm) 0.0 | Weather SUNNY, 50°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point (.30) Meas. From GRADE
Well Diameter 4"
Screen Interval Depth 8-18' Meas. From GRADE
Water Table Depth 7.08' Meas. From T.O.C.
Well Depth 17.54' Meas. From T.O.C.
Length of Water Column 10.46'
Volume of Water in Well
Intake Depth of Pump/Tubing 12.00' Meas. From T.O.C.

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

Redevelop? Y (N)

Sample Time 1035
Sample ID 78-6
Duplicate ID
MS/MSD
Split Sample ID HL-GW000053-0-6A19

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)	( )
(X)	Total Cyanide (Filtered)	(X)
( )	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) SULFIDE	(X)

EVACUATION INFORMATION

Pump Start Time 0940
Pump Stop Time 1230
Minutes of Pumping 170
Volume of Water Removed ~ 16L
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X) JJB
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 #Z , HACH TURBIDIMETER.

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0945	100	—	7.46	8.76	8.31	2.188	13	420.22	-130.6
0950	100	500	7.55	8.72	8.10	2.214	12	220.31	-103.8
0955	100	1000	7.67	8.64	8.28	2.224	14	168.35	-112.7
1000	100	1500	7.71	8.72	8.27	2.231	14	149.21	-112.7
1005	100	2000	7.71	8.85	8.29	2.232	14	134.02	-137.4
1010	100	2500	7.71	8.76	8.67	2.224	12	110.83	-130.0
1015	100	3000	7.70	8.83	8.38	2.214	12	101.55	-116.9
1020	100	3500	7.70	8.81	8.37	2.214	14	100.94	-115.8

* 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 * SPLIT SAMPLE W/ EPA - NOAH (WESTON)

SAMPLE DESTINATION

Laboratory: SGS CHARLESTON, WV
Delivered Via: SGS COURIER
Airbill #:

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 78-6

Site/GMA Name GMA 4 HSU 78

Sampling Personnel JJB, JTG

Date 4/19/06

Weather Sunny 50°

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]*
1025	100	4000	7.70	8.81	8.37	2.212	12	100.92	-114.2
1030	100	4500	7.70	8.80	8.35	2.211	13	100.90	-114.0

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA4 - PITTSFIELD, MA
Sampling Personnel AEB, ERR
Date APRIL 19, 2006
Weather SUNNY, 50s, SLIGHT BREEZE

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.93 - 0.34 Meas. From GROUND
Well Diameter 1"
Screen Interval Depth ____ Meas. From ____
Water Table Depth 16.32 Meas. From TIC
Well Depth 18.16 Meas. From TIC
Length of Water Column ____
Volume of Water in Well ____
Intake Depth of Pump/Tubing ____ Meas. From ____

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

Redevelop? Y N

Sample Time 1200
Sample ID H78B-15
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)
(X)	PAC Cyanide (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) SULFIDE	(X)

EVACUATION INFORMATION (AEB)

Pump Start Time ~~1035~~ 1040
Pump Stop Time ____
Minutes of Pumping ____
Volume of Water Removed ____
Did Well Go Dry? Y N

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1040	150	—	16.32	—	—	—	93	—	—
1050	150	750	—	—	—	—	111	—	—
1055	150	1500	—	—	—	—	120	—	—
1100	150	2250	—	—	—	—	6	—	—
1106	150	3000	—	—	—	—	5	—	—
1110	150	3750	—	11.30	6.30	2.710	3	10.47	76.1
1115	150	4500	—	11.21	6.43	2.737	2	10.03	83.8
1120	150	5250	—	11.06	11.99	2.759	1	9.89	-53.6

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS INITIAL PURGE IS LIGHT BROWN - SLIGHTLY TURBID. UNABLE TO MONITOR WATER LEVELS WHILE PURGING THE WELL.
* TURBIDITY DROPPED RAPIDLY AFTER 15 MINUTES OF PUMPING

SAMPLE DESTINATION

Laboratory: SGS WEST VIRGINIA
Delivered Via: COURIER / UPS
Airbill #: ____

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. 478B-15

Site/GMA Name GMA4 PITTSFIELD, MA
Sampling Personnel AES, ERR
Date APRIL 19, 2006
Weather SUNNY, 60s, SLIGHT BREEZE

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]*
1125	150	6000	—	11.08	7.20	2.769	1	9.79	-42.6
1130	150	6750	—	11.00	14.66	2.785	1	9.73	-104.6
1135	150	7500	—	10.94	15.43	2.795	1	9.73	-114.0
1140	150	8250	—	10.98	7.49	2.794	1	9.73	-110.2
1145	150	9000	—	11.02	9.21	2.795	1	9.73	-108.7
1150	150	9750	—	10.93	13.19	2.795	1	9.73	-103.5
1155	150	10,500	—	10.91	11.47	2.795	1	9.73	-100.0
SAMPLE TIME		1200							

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS SEE NOTES ON PAGE 1. PH READINGS ARE CONTINUOUSLY JUMPING DRASTICALLY (POTENTIALLY PROBLEM WITH PROBE). ALL OTHER PARAMETERS ARE STABLE - SAMPLING.

GROUNDWATER SAMPLING LOG

Well No. H178B-16
Key No. FX-37
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA4 - PITTSFIELD, MA
Sampling Personnel AES + ERR
Date APRIL 17, 2006
Weather PARTLY CLOUDY, MID 50s

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From GROUND
Well Diameter 1"
Screen Interval Depth 4-14' Meas. From TOC
Water Table Depth 12.38 Meas. From TIC
Well Depth 16.99 Meas. From TIC
Length of Water Column 4.61
Volume of Water in Well 0.74 GALLONS
Intake Depth of Pump/Tubing ~14.5 Meas. From GROUND

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

Redevelop? Y N

Sample Time 1210
Sample ID H178B-16
Duplicate ID —
MS/MSD —
Split Sample ID —

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

EVACUATION INFORMATION

Pump Start Time 1115
Pump Stop Time _____
Minutes of Pumping _____
Volume of Water Removed _____
Did Well Go Dry? Y N

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1115	150	—	12.38	—	—	—	43	—	—
1120	150	750	12.38	12.57	7.99	2.158	34	9.66	133.3
1125	150	1500	12.38	12.42	8.47	2.239	21	4.89	138.5
1130	150	2250	12.38	12.40	8.25	2.233	19	1.97	137.7
1135	150	3000	12.38	12.15	8.14	2.227	18	1.75	136.8
1140	150	3750	12.38	12.04	7.73	2.216	19	1.43	*156.4
1145	150	4250	12.38	11.87	7.67	2.212	18	1.23	154.3
1150	150	5000	12.38	11.57	7.63	2.213	17	1.22	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 INITIAL PURGE IS TURBID WITH BROWN PARTICLES.

SAMPLE DESTINATION

Laboratory: SGS WEST VIRGINIA
Delivered Via: COURIER / UPS
Airbill #: _____

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. #178B-16

Site/GMA Name GMA4 - PITTSFIELD, MA
Sampling Personnel AES, ERR
Date APRIL 17, 2006
Weather PARTLY CLOUDY, 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]*
1155	150	5750	12.38	11.62	7.61	2.210	16	1.18	150.8
1200	150	6250	12.38	11.73	7.58	2.209	16	1.16	148.6
1205	150	7000	12.38	11.68	7.54	2.209	15	1.10	145.2
SAMPLE TIME 1210									

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS SEE NOTES ON PAGE 1.

GROUNDWATER SAMPLING LOG

Well No. H78B-17R
Key No. FF-37
PID Background (ppm) 0.0
Well Headspace (ppm) 0.0

Site/GMA Name GMA 4 OPCA
Sampling Personnel JJB, JTG
Date 4/17/06
Weather cloudy, 48°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 1.15 Meas. From A&A
Well Diameter 4"
Screen Interval Depth 19.90 - 29.90 Meas. From T.I.C.
Water Table Depth 13.56 Meas. From T.I.C.
Well Depth 29.90 Meas. From T.I.C.
Length of Water Column 11.39
Volume of Water in Well 29.6 GALLONS
Intake Depth of Pump/Tubing 19.90' Meas. From T.I.C.

Sample Time 1210
Sample ID H78B-17R
Duplicate ID
MS/MSD
Split Sample ID #

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

Redevelop? Y (N)

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

EVACUATION INFORMATION

Pump Start Time 1110
Pump Stop Time 1215
Minutes of Pumping 65
Volume of Water Removed ~ 3100 ml.
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: SYSTEM 1 GW MONSOON # 89000
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #4, 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]*
1130	100 ml	-	14.82	10.72	6.74	1.439	32	9.21	191.7
1135	100 ml.	500 ml.	14.22	9.75	6.61	1.432	23	[redacted] 1.70	198.3
1140	100 ml.	1000 ml.	14.22	9.76	6.60	1.415	22	1.42	202.7
1145	100 ml.	1500 ml.	14.22	9.55	6.64	1.404	[redacted] 4	1.21	201.7
1150	100 ml.	2000 ml.	14.22	9.58	6.63	1.399	4	1.20	202.6
1155	100 ml.	2500 ml.	14.22	9.60	6.67	1.398	3	1.22	202.4
1200	100 ml.	3000 ml.	14.22	9.60	6.67	1.399	3	1.23	202.1

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS CHARLESTON, WV
Delivered Via: SGS COURIER
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA4 - PITTSFIELD, MA
Sampling Personnel AES, ERR
Date APRIL 18, 2006
Weather SUNNY, 60s, WINDY

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point 2.66-.16 Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 20.1-30.1 Meas. From TOC
Water Table Depth 8.99 Meas. From TIC
Well Depth 32.54 Meas. From TIC
Length of Water Column 23.55
Volume of Water in Well 15.4 GALLONS
Intake Depth of Pump/Tubing 25.1 Meas. From ~~GROUND~~ TOC AES

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

Redevelop? Y N

Sample Time 1520
Sample ID OPCA-MW-1
Duplicate ID GMA-DUP-4
MS/MSD —
Split Sample ID —

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

EVACUATION INFORMATION

Pump Start Time 1420
Pump Stop Time ____
Minutes of Pumping ____
Volume of Water Removed ____
Did Well Go Dry? Y N

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1420	100	—	8.99	—	—	—	37	—	—
1430	100	1000	9.25	11.92	6.70	0.477	9	4.86	186.7
1435	100	1500	9.58	11.44	6.72	0.466	6	3.15	197.0
1440	100	2000	10.25	11.46	6.66	0.465	5	2.85	198.5
1445	100	2500	13.67	11.33	6.84	0.465	4	2.74	193.7
1450	100	3000	15.02 AES	11.41	6.97	0.464	3	2.60	198.9
1455	100	3500	15.15	11.63	6.82	0.464	3	2.43	204.2
1500	100	4000	15.93	11.88	6.85	0.463	3	2.38	201.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS INITIAL PURGE IS CLEAR; LOW TURBIDITY.

SAMPLE DESTINATION

Laboratory: SGS WEST VIRGINIA
Delivered Via: COURIER / UPS
Airbill #: ____

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-1

Site/GMA Name GMA4 - PITTSFIELD, MA
Sampling Personnel AES, ERR
Date APRIL 18, 2006
Weather SUNNY, 60s, WINDY

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1505	100	4500	16.36	12.03	6.93	0.463	3	2.34	197.4
1510	100	5050	16.88	12.14	6.91	0.468	3	2.26	198.3
1515	100	5500	17.48	12.38	6.95	0.468	3	2.24	192.9
SAMPLE TIME = 1520									

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS SEE NOTES ON PAGE 1.

GROUNDWATER SAMPLING LOG

Well No. OPCA MW 2
Key No. FX-37
PID Background (ppm) 0.0
Well Headspace (ppm) 0.0

Site/GMA Name OPCA GMA 4
Sampling Personnel JAB/JTG
Date 4/18/06
Weather 50° SUNNY

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.00' Meas. From GRADE
Well Diameter 2"
Screen Interval Depth 13-23' Meas. From ~~BOTTOM~~ GRADE
Water Table Depth 17.70 Meas. From T.O.C.
Well Depth 25.09 Meas. From T.O.C.
Length of Water Column 7.39
Volume of Water in Well 1.20 GAL.
Intake Depth of Pump/Tubing 20.0' Meas. From T.O.C.

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

Redevelop? Y (N)

Sample Time 1035
Sample ID OPCA-MW-2
Duplicate ID
MS/MSD OPCA-MW-2
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)	( )
(X)	Total Cyanide (Filtered)	(X)
( )	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) SULFIDE	(X)

EVACUATION INFORMATION

Pump Start Time 0900
Pump Stop Time 1330
Minutes of Pumping 270
Volume of Water Removed ~28L
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: SYSTEM 3 GW MONITOR
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #2, HACH TURBIDIMETER.

Time	Pump Rate (mL/min.)	Total ~~Gallons~~ mL 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]*
0925	100	~~0~~ —	17.78	9.94	7.43	.965	47	11.86	144.9
0930	100	500	17.78	9.76	7.41	.969	15	9.38	144.3
0935	100	1000	17.78	9.37	7.32	.976	11	8.77	132.3
0940	100	1500	17.78	10.18	7.54	.977	8	8.21	106.8
0945	100	2000	17.78	10.29	7.50	.978	6	8.32	100.6
0950	100	2500	17.78	10.69	7.55	.977	6	8.15	94.4
0955	100	3000	17.78	11.27	7.56	.975	4	7.59	89.2
1000	100	3500	17.78	8.73	7.79	.950	4	9.21	87.0

* 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
* MS/MSD TAKEN AT THIS LOCATION.

SAMPLE DESTINATION

Laboratory: SGS CHARLESTON, WV
Delivered Via: SGS COURIER
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA - MW - 2

Site/GMA Name OPCA GMA 4
Sampling Personnel JJG, JTG
Date 4/18/06
Weather 50° sunny

WELL INFORMATION - See Page 1

Time	Pump Rate (mL/min.)	Total ~~Gallons~~ Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1005	100	4000	17.78	8.22	7.75	0.918	4	9.69	85.3
1010	100	4500	17.78	8.87	7.85	0.904	4	9.10	80.9
1015	100	5000	17.78	9.16	7.83	0.902	4	8.93	80.6
1020	100	5500	17.78	9.39	7.72	0.901	4	8.84	78.3
1025	100	6000	17.78	9.40	7.74	0.902	4	8.87	77.9
1030	100	6500	17.78	9.41	7.78	0.901	4	8.85	77.5

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No. OPCA - MW - 3
Key No. N/A
PID Background (ppm) 0.0
Well Headspace (ppm) 0.0

Site/GMA Name OPCA GMA 4
Sampling Personnel JJG, JTG
Date 9-18-06
Weather Sunny, 60°

WELL INFORMATION

Reference Point Marked? (Y), N
Height of Reference Point .35 Meas. From GRADE
Well Diameter 2"
Screen Interval Depth 18-28' Meas. From GRADE
Water Table Depth 19.73 Meas. From T.I.C
Well Depth 27.45 Meas. From T.I.C.
Length of Water Column 7.72
Volume of Water in Well
Intake Depth of Pump/Tubing 23.0' Meas. From T.I.C.

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

Redevelop? Y (N)

Sample Time 1535
Sample ID 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)	( )
(X)	Total Cyanide (Filtered)	(X)
( )	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) SILTSPE	(X)

EVACUATION INFORMATION

Pump Start Time 1420
Pump Stop Time 1640
Minutes of Pumping 160
Volume of Water Removed ~11 L
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: SYSTEM 3 [redacted]
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #2, 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]*
1450	100	—	20.34	2[redacted]	[redacted]	0.[redacted]	30	21.29	-68.7
1455	100	500	20.34	[redacted]	9.38	0.[redacted]	19	2.96	-93.9
1500	100	1000	20.34	12.60	7.91	0.694	18	1.31	-30.9
1505	100	1500	20.[redacted]	12.26	7.81	0.694	16	1.18	-25.3
1510	100	2000	20.38	12.77	7.67	0.696	18	1.06	-19.9
1515	100	2500	20.35	12.21	7.51	0.692	22	0.80	-2.5
1520	100	3000	20.35	12.31	7.45	0.699	26	0.69	7.7
1525	100	3500	20.35	18.32	7.45	[redacted]	25	0.63	9.6

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS CHARLESTON, WV
Delivered Via: SGS COURIER
Airbill #:

Field Sampling Coordinator: JJM

GROUNDWATER SAMPLING LOG

Well No. OPCA - MW - 3

Site/GMA Name OPCA GMA 4
Sampling Personnel JJB, JTL
Date 4-18-06
Weather SUNNY, 60°

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1530	100	4000	20.35	12.32	7.16	0.641	25	0.61	9.9

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel JAP / TCR
Date 4/18/06
Weather Sunny, 40°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~0.8' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 12-22" Meas. From BGS
Water Table Depth 12.67' Meas. From TOC
Well Depth 21.60 Meas. From TOC
Length of Water Column 8.93
Volume of Water in Well 1.4 gal
Intake Depth of Pump/Tubing 17'0 Meas. From TOC

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

Redevelop? Y (N)

Sample Time ~~1005~~ (DUP) 1210
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)	( )
(X)	Total Cyanide (Filtered)	(X)
( )	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1135
Pump Stop Time 1305
Minutes of Pumping 90
Volume of Water Removed ~3.3 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDMETER (S/N 02100003838323)
YSI 556 MPS #3 (S/N 03C1461)

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1138	125	0.0992	12.77	—	—	—	29	—	—
1146	125	0.364	13.02	9.12	7.25	1.343	10	6.51	192.7
1151	140*	0.549	13.09	9.03	7.40	1.349	13	6.55	195.7
1156	130	0.721	13.19	9.17	7.50	1.362	10	6.22	194.3
1201	140	0.906	13.29	9.12	7.52	1.382	10	5.55	192.8
1204	140	1.017	13.44	9.13	7.52	1.386	9	5.43	191.9
1207	140	1.128	13.42	9.04	7.51	1.390	9	5.12	191.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial Purge: Clear in color, some orangish-brown particles (slightly turbid), No odor

* dial at lowest setting on pump.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel JAP/TOR
Date 4/18/06
Weather Sunny, windy, 40°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-0.3' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 11.25-21.25 Meas. From BGS
Water Table Depth 11.20 Meas. From TOC
21.73' Well Depth ~~21.45~~ (P) Meas. From TOC
Length of Water Column 10.53
Volume of Water in Well ~1.66 gal
Intake Depth of Pump/Tubing 16.5' Meas. From TOC

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

Redevelop? Y (N)

Sample Time 1005
Sample ID OPCA-MW-5R
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)	( )
(X)	Total Cyanide (Filtered)	(X)
( )	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify), Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 902
Pump Stop Time 1107
Minutes of Pumping 125
Volume of Water Removed ~4.20 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS #3 (S/N 03C1461 AI)
HACH TURBIDMETER S/N 021000C025323

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]*
907	160	—	11.36	—	—	—	41	—	—
~~912~~	145*	Recheck flow	11.67	—	—	—	—	—	—
917	125	0.569	11.78	9.55	8.17	1.298	25	7.10	101.9
922	125	0.734	11.94	9.20	8.46	1.305	23	3.13	90.4
927	125	0.899	12.10	9.18	8.46	1.306	20	2.49	84.6
932	125	1.064	12.23	9.16	8.73	1.308	16	2.29	83.1
937	125	1.229	12.37	9.12	8.78	1.306	17	2.22	88.1
942	125	1.394	12.52	9.29	8.52	1.303	16	2.08	76.7

* 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: Slightly yellow in color, slightly turbid, no odor

* As low as pump dial will go; flow slowed slightly after hooking up to flow-thru cell

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-5R

Site/GMA Name GMA-4

Sampling Personnel JAP / TOR

Date 4/18/06

Weather Sunny; Windy 40-45°F

WELL INFORMATION - See Page 1

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	X Temp. (Celsius) [3%]*	X pH [0.1 units]*	X Sp. Cond. (mS/cm) [3%]*	X Turbidity (NTU) [10% or 1 NTU]*	X DO (mg/l) [10% or 0.1 mg/l]*	X ORP (mV) [10 mV]*
945	125	~~1.559~~ (6)	12.61	9.27	8.31	1.302	15	2.04	73.2
948	125	~~1.724~~ (12)	12.75	9.32	8.46	1.298	15	1.99	73.7
951	125	~~1.889~~ (18)	12.81	9.17	8.45	1.293	12	1.94	76.6
954	125	1.790	12.91	9.12	8.35	1.273	7	1.91	74.0
957	125	1.889	13.03	9.16	8.36	1.264	4	1.85	74.0
1000	125	1.988	13.14	9.09	8.28	1.254	3	1.83	75.1
1003	125	2.087	13.24	9.08	8.26	1.240	3	1.80	77.6

1.493
1.592
1.691

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

Site/GMA Name GMA-4
Sampling Personnel JAP/TOR
Date 4/17/06
Weather Partly cloudy, 40°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~0.8' Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 15-25' Meas. From BGS
Water Table Depth 17.87' Meas. From TOC
Well Depth 23.71' Meas. From TOC
Length of Water Column 5.84'
Volume of Water in Well 0.92 gal
Intake Depth of Pump/Tubing ~~20'~~ ~21' Meas. From TOC

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

Redevelop? Y (N)

Sample Time 1515
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)	SVOCs	(X)
( )	PCBs (Unfiltered)	( )
(X)	PCBs (Filtered)	(X)
( )	Metals/Inorganics (Unfiltered)	( )
(X)	Metals/Inorganics (Filtered)	(X)
( )	Total Cyanide (Unfiltered)	( )
(X)	Total Cyanide (Filtered)	(X)
( )	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) (sulfide)	(X)

EVACUATION INFORMATION

Pump Start Time 1418
Pump Stop Time 1608
Minutes of Pumping 110
Volume of Water Removed ~3.6 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDIMETER S/N 02100000028323
YSI 556 MPS #3 (S/N 03C 14161)

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]*
1421	100	0.079	17.87	—	—	—	5	—	—
1432	100	0.370	18.01	10.87	9.10	0.611	5	7.48	144.2
1437	100	0.502	18.03	9.87	9.64	0.614	17	5.18	17.0
1442	100	0.634	18.08	9.62	9.57	0.618	14	5.07	28.8
1447	110	0.780	18.12	9.61	9.58	0.615	9	4.98	-47.3
1452	110	0.926	18.10	9.63	9.68	0.612	6	4.68	-25.5
1455	90	0.950	18.11	9.74	9.70	0.609	5	4.65	-29.8
1458	110	1.096	18.12	9.69	9.80	0.606	4	4.52	-70.1

* 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, colorless, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via:
Airbill #:

Field Sampling Coordinator: James F. Thomas

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-6

Site/GMA Name GMA-4
Sampling Personnel JAP / TCR
Date 4/17/06
Weather Sunny/Partly Cloudy, 40's F

WELL INFORMATION - See Page 1

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1501	100	1.122	18.11	9.68	9.66	0.603	3	4.42	-51.6
1504	100	1.254	18.12	9.57	9.54	0.600	2	4.35	-41.6
1507	100	1.386	18.15	9.50	9.50	0.599	2	4.30	-48.7
1510	100	1.518	18.16	9.51	9.50	0.596	2	4.26	-50.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel JAP / TOR
Date 4/18/06
Weather Sun

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~-0.7' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 14-24' Meas. From BGS
Water Table Depth 17.67' Meas. From TOC
Well Depth 23.79' Meas. From TOC
Length of Water Column 6.12'
Volume of Water in Well 0.97gal
Intake Depth of Pump/Tubing 19'0 Meas. From TOC

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

Redevelop? Y (N)

Sample Time 1500
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)	(X)
( )	Total Cyanide (Unfiltered)	( )
(X)	Total Cyanide (Filtered)	(X)
( )	PAC Cyanide (Filtered)	( )
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) (Sulfide)	(X)

EVACUATION INFORMATION

Pump Start Time 1423
Pump Stop Time 1553
Minutes of Pumping 90
Volume of Water Removed ~2.8gal
Did Well Go Dry? Y (N)

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

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

Time	Pump Rate (mL/min.)	Total Gallons Removed	Water Level (ft TIC)	X Temp. (Celsius) [3%]*	X pH [0.1 units]*	X Sp. Cond. (mS/cm) [3%]*	X Turbidity (NTU) [10% or 1 NTU]*	X DO (mg/l) [10% or 0.1 mg/l]*	X ORP (mV) [10 mV]*
1425	150	0.080	17.81	—	—	—	3	—	—
1432	120	0.302	18.11	12.83	7.77	1.042	2	9.49	207.2
1437	110	0.448	18.32	12.33	8.08	1.047	2	4.95	200.3
1442	100	0.580	18.44	12.57	7.91	1.046	3	4.68	197.8
1447	110	0.726	18.62	12.71	7.84	1.051	3	4.42	192.2
1452	110	0.872	18.79	12.70	7.82	1.053	3	4.26	189.6
1455	110	0.959	18.86	12.69	7.83	1.052	4	4.31	187.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS INITIAL PURGE: Clear, colorless, odorless

*Lowered sample tubing ~1' total to finish sampling due to drawdown.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via:
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA - MW- 8
Key No. N/A
PID Background (ppm) 0.0
Well Headspace (ppm) 0.0

Site/GMA Name OPCA GMD 71
Sampling Personnel JJB, JTG
Date 4-17-06
Weather PARTLY SUNNY, 50°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point .35 Meas. From GRADE (BELOW)
Well Diameter 2"
Screen Interval Depth 13.5-23.5 Meas. From T.O.C.
Water Table Depth 9.68 Meas. From T.O.C.
Well Depth 21.86' Meas. From T.O.C.
Length of Water Column 12.18
Volume of Water in Well 1.99 GALLONS
Intake Depth of Pump/Tubing 16.90' Meas. From T.O.C.

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

Redevelop? Y (N)

Sample Time 1550
Sample ID OPCA - MW - 8
Duplicate ID
MS/MSD
Split Sample ID

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

EVACUATION INFORMATION

Pump Start Time 1410
Pump Stop Time 1650
Minutes of Pumping 100
Volume of Water Removed 12000 ml.
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: SYSTEM 1 GW MONITOR # 59000
Samples collected by same method as evacuation? (Y) N (specify)

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

Time	Pump Rate (mL/min.)	Total ml Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1500	100	-	13.49	10.76	7.67	0.856	36	19.86	98.8
1505	100	500	12.99	10.12	7.29	0.896	23	6.40	133.6
1510	100	1000	13.19	10.22	7.27	0.898	20	6.15	135.6
1520	100	1500	13.14	10.29	7.26	0.899	15	6.08	138.6
1520	100	2000	13.21	10.53	7.26	0.898	14	5.92	140.8
1525	100	2500	13.20	10.87	7.33	0.856	13	5.79	142.3
1530	100	3000	13.42	10.26	7.23	0.859	12	5.83	196.5
1535	100	3500	13.72	9.89	7.20	0.861	9	6.00	197.2

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: S&S CHARLESTON, WV
Delivered Via: S&S COURIER
Airbill #:

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. OPCA - MW-B

Site/GMA Name OPCA GW71
Sampling Personnel JJB, JTG
Date 4-17-06
Weather PARTLY SUNNY, 50°

WELL INFORMATION - See Page 1

Time	Pump Rate (mL/min.)	Total ~~Gallons~~ Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1540	100	4000	13.74	9.61	7.12	0.876	8	6.02	147.1
1545	100	4500	13.72	9.66	7.10	0.876	6	6.03	142.2
1550	100	5000	13.72	9.60	7.10	0.877	6	6.03	141.4

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA4 - PITTSFIELD, MA
Sampling Personnel AES/ERR
Date APRIL 17, 2006
Weather SUNNY, MID 60s, COOL BREEZE

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point ___ Meas. From GROUND
Well Diameter 2"
Screen Interval Depth 7-17 Meas. From TOC
Water Table Depth 12.96 Meas. From TIC
Well Depth 15.43 Meas. From TIC
Length of Water Column 2.47
Volume of Water in Well 1.61 GALLONS
Intake Depth of Pump/Tubing 14.2 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 1620
Sample ID UB-MW-5
Duplicate ID —
MS/MSD —
Split Sample ID —

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

EVACUATION INFORMATION

Pump Start Time 1500
Pump Stop Time 1645
Minutes of Pumping ___
Volume of Water Removed ___
Did Well Go Dry? Y N

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

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

Time	Pump Rate ~~(L/min.)~~ ml/min	Total ~~Gallons~~ Removed ml	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1500	100	—	12.96	—	—	—	733	—	—
1505	100	500	13.21	—	—	—	504	—	—
1510	100	1000	13.35	—	—	—	314	—	—
1515	100	1500	13.45	—	—	—	175	—	—
1520	100	2000	13.48	—	—	—	90	—	—
1525	100	2500	13.52	—	—	—	54	—	—
1530	100	3000	13.56	—	—	—	46	—	—
1535	100	3500	13.70	13.37	8.83	3.280	28	9.83	115.0

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS INITIAL PURGE IS CLOUDY BROWN - TURBID. PUMP RATE IS SET AS LOW AS IT WILL GO; WATER LEVEL CONTINUES TO DROP.

SAMPLE DESTINATION

Laboratory: SGS WEST VIRGINIA
Delivered Via: COURIER / UPS
Airbill #: ___

Field Sampling Coordinator: James J. Fennell

GROUNDWATER SAMPLING LOG

Well No. UB-MW-5

Site/GMA Name PITSFIELD MA - GMA4
Sampling Personnel AES/ERR
Date APRIL 17, 2006
Weather SUNNY, MID 50s, COOL BREEZE

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]*
1540	100	4000	13.84	13.23	8.32	3.275	23	9.68	105.0
1545	100	4500	13.98	13.07	8.31	3.270	20	9.50	100.4
1550	100	5000	14.05	12.91	8.32	3.265	22	9.47	99.0
1555	100	5500	14.14	12.73	8.32	3.244	18	9.42	95.4
1600	100	6000	14.25	12.71	8.33	3.237	22	9.37	68.8
1605	100	6500	14.37	12.73	8.32	3.226	22	9.35	81.4
1610	100	7000	14.47	12.87	8.33	3.228	20	9.30	75.0
1615	100	7500	14.61	12.74	8.28	3.230	21	9.30	73.4
SAMPLE TIME 1620									
APRIL 18, 2006									
0915	100	–	13.36	13.65	6.80	1.646	120	9.58	248.7
SAMPLE TIME 0920									
0950	100	3500	14.50	–	–	–	48	–	–
	SAMPLE FOR PCBs.								
	SAMPLE END TIME = 1025								

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS SEE NOTES ON PAGE 1. WELL WENT DRY AT APPROXIMATELY 1646. SAMPLES TAKEN INCLUDE: METALS (FILTERED/UNFILTERED), CYANIDE (FILTERED/UNFILTERED) AND VOCs. 4/18/2006: SAMPLED FOR SULFIDE, SVOCs, PCBs, and PCDD/PCDFs.

Appendix E

Groundwater Elevation/NAPL Monitoring Data – Spring 2006

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TABLE E-1
SPRING 2006 GROUNDWATER ELEVATION DATA
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Name	Measuring Point Elev. (feet AMSL)	Date	Depth to Water (ft BMP)	LNAPL Thickness (feet)	DNAPL Thickness (feet)	Total Depth (ft BMP)	Groundwater Elevation (feet AMSL)
060A	1,001.71	4/13/2006	14.58	0.00	0.00	20.78	987.13
060B-R	1,002.79	4/13/2006	14.58	0.00	0.00	20.78	988.21
78-1	1,026.32	4/13/2006	7.73	0.00	0.00	22.35	1,018.59
78-1	1,026.32	4/19/2006	10.29	0.00	0.00	22.51	1,016.03
78-2	1,033.96	4/13/2006	6.21	0.00	0.00	20.56	1,027.75
78-3	1,007.13	4/13/2006	16.72	0.00	0.00	24.84	990.41
78-4	998.55	4/13/2006	12.50	0.00	0.00	21.35	986.05
78-5R	997.36	4/13/2006	4.81	0.00	0.00	18.36	992.55
78-6	1,012.00	4/13/2006	6.26	0.00	0.00	17.49	1,005.74
78-6	1,012.00	4/19/2006	7.08	0.00	0.00	17.54	1,004.92
GMA4-1	1,012.35	4/13/2006	22.89	0.00	0.00	28.14	989.46
GMA4-2	1,006.22	4/13/2006	12.73	0.00	0.00	19.76	993.49
GMA4-3	1,003.95	1/18/2006	16.11	0.00	0.00	26.27	987.84
GMA4-3	1,003.95	2/20/2006	10.14	0.00	0.00	26.25	993.81
GMA4-3	1,003.95	4/13/2006	17.26	0.00	0.00	26.27	986.69
GMA4-3	1,003.95	5/23/2006	17.21	0.00	0.00	26.25	986.74
GMA4-3	1,003.95	6/27/2006	17.30	0.00	0.00	26.25	986.65
GMA4-4	999.64	4/12/2006	12.38	0.00	0.00	23.21	987.26
GMA4-5	993.34	3/29/06	11.46	0.00	0.00	18.13	981.88
GMA4-6	1,009.12	3/28/06	10.12	0.00	0.00	12.50	999.00
GMA4-6	1,009.12	4/13/2006	7.94	0.00	0.00	12.61	1,001.18
H78B-13R	992.93	4/12/2006	10.41	0.00	0.00	20.05	982.52
H78B-15	1,012.68	4/13/2006	15.14	0.00	0.00	18.17	997.54
H78B-15	1,012.68	4/19/2006	15.82	0.00	0.00	18.16	996.86
H78B-16	999.33	4/13/2006	12.22	0.00	0.00	16.91	987.11
H78B-16	999.33	4/17/2006	12.38	0.00	0.00	16.89	986.95
H78B-17	1,002.54	4/13/2006	16.60	0.00	0.00	18.94	985.94
H78B-17R	1,000.31	4/13/2006	13.43	0.00	0.00	24.96	986.88
H78B-17R	1,000.31	4/17/2006	13.56	0.00	0.00	24.80	986.75
NY-3	1,005.33	3/22/06	15.23	0.00	0.00	25.00	990.10
NY-3	1,005.33	4/13/2006	15.21	0.00	0.00	24.74	990.12
NY-4	1,024.24	3/22/06	8.08	0.00	0.00	31.25	1,016.16
NY-4	1,024.24	4/13/2006	8.40	0.00	0.00	31.30	1,015.84
OPCA-MW-1	1,019.60	4/12/2006	8.73	0.00	0.00	32.76	1,010.87
OPCA-MW-1	1,019.60	4/18/2006	8.99	0.00	0.00	32.54	1,010.61
OPCA-MW-1	1,019.60	5/4/2006	8.94	0.00	0.00	32.70	1,010.66
OPCA-MW-1R	1,016.46	5/10/2006	6.10	0.00	0.00	24.48	1,010.36
OPCA-MW-2	1,019.58	4/12/2006	17.80	0.00	0.00	25.45	1,001.78
OPCA-MW-2	1,019.58	4/18/2006	17.70	0.00	0.00	25.09	1,001.88
OPCA-MW-3	1,014.83	4/13/2006	19.67	0.00	0.00	27.42	995.16
OPCA-MW-3	1,014.83	4/18/2006	18.28	0.00	0.00	27.45	996.55
OPCA-MW-4	1,018.67	4/13/2006	12.57	0.00	0.00	21.48	1,006.10
OPCA-MW-4	1,018.67	4/18/2006	12.67	0.00	0.00	21.60	1,006.00
OPCA-MW-5R	1,016.34	4/13/2006	11.15	0.00	0.00	21.60	1,005.19
OPCA-MW-5R	1,016.34	4/18/2006	11.20	0.00	0.00	21.73	1,005.14
OPCA-MW-6	1,022.31	4/13/2006	17.64	0.00	0.00	23.86	1,004.67
OPCA-MW-6	1,022.31	4/17/2006	17.87	0.00	0.00	23.71	1,004.44
OPCA-MW-7	1,026.57	4/13/2006	17.75	0.00	0.00	23.59	1,008.82
OPCA-MW-7	1,026.57	4/18/2006	17.67	0.00	0.00	23.79	1,008.90
OPCA-MW-8	1,027.40	4/13/2006	9.25	0.00	0.00	21.79	1,018.15
OPCA-MW-8	1,027.40	4/17/2006	9.68	0.00	0.00	21.86	1,017.72
RF-14	1,001.59	4/13/2006	8.68	0.00	0.00	22.63	992.91
RF-15	1,011.80	4/13/2006	14.44	0.00	0.00	22.55	997.36
SCH-4	1,014.05	4/13/2006	7.11	0.00	0.00	16.28	1,006.94
UB-MW-5	1,006.06	4/13/2006	12.81	0.00	0.00	15.40	993.25
UB-MW-5	1,006.06	4/17/2006	12.96	0.00	0.00	15.43	993.10
UB-MW-5	1,006.06	4/18/2006	13.36	0.00	0.00	15.43	992.70
UB-MW-6	1,019.79	4/13/2006	20.79	0.00	0.00	34.99	999.00

NOTES:

1. ft AMSL - feet Above Mean Sea Level.
2. ft BMP - feet Below Measuring Point
3. NA indicates information not available.

Appendix F

Data Validation Report

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APPENDIX F
GROUNDWATER SAMPLING DATA VALIDATION REPORT
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

1.0 General

This attachment summarizes the Tier I and Tier II data reviews performed for groundwater samples collected during Remedial Investigation activities conducted at the Groundwater Management Area 4 site located in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly CT&E) of Charleston, West Virginia. Data validation was performed for 15 PCB samples, 18 volatile organic compound (VOC) samples, 13 semi-volatile organic compound (SVOC) samples, 14 polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples, 15 metal samples, and 28 cyanide/sulfide samples.

2.0 Data Evaluation Procedures

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

- *Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts*, Blasland, Bouck & Lee, Inc. (BBL; FSP/QAPP, approved May 25, 2004 and resubmitted June 15, 2004);

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

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

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (February 1, 1988) (Modified November 1, 1988);

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

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

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

The following data qualifiers were used in this data evaluation:

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

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

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

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

3.0 Data Validation Procedures

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

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

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	0	0	0	13	1	1	15
VOCs	0	0	0	14	1	3	18
SVOCs	0	0	0	11	1	1	13
PCDDs/PCDFs	0	0	0	12	1	1	14
Metals	0	0	0	13	1	1	15
Cyanide/Sulfide	0	0	0	24	2	2	28
Total	**0**	**0**	**0**	**87**	**7**	**9**	**103**

A Tier II review was performed to resolve data usability limitations identified from laboratory qualification of the data. The Tier II data review consisted of a review of all data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. The Tier II review resulted in the qualification of data for several

samples due to minor QA/QC deficiencies. Additionally, all field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP. A tabulated summary of the samples subjected to Tier I and Tier II data evaluations is presented in the following table.

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

4.0 Data Review

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

Compounds Qualified Due to Continuing Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	18	J
	Acetonitrile	12	J
	Acrylonitrile	6	J
SVOCs	4-Nitroquinoline-1-oxide	11	J
	Benzidine	13	J
	Hexachlorophene	13	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	1,2,3-Trichloropropane	6	J
	1,2-Dichloroethane	7	J
	1,4-Dioxane	11	J
	2-Butanone	6	J
	2-Hexanone	7	J
	4-Methyl-2-pentanone	11	J
	Acetone	6	J
	Acetonitrile	11	J
	Acrolein	1	J
	Acrylonitrile	7	J
	Bromomethane	11	J
	Carbon Disulfide	1	J
	Dichlorodifluoromethane	7	J
	Methacrylonitrile	18	J
	Propionitrile	1	J
	trans-1,4-Dichloro-2-butene	7	J
	Vinyl Acetate	1	J
SVOCs	1,3,5-Trinitrobenzene	13	J
	1,3-Dinitrobenzene	11	J
	1,4-Naphthoquinone	13	J
	2,3,4,6-Tetrachlorophenol	1	J
	2,4-Dinitrotoluene	2	J
	2,6-Dinitrotoluene	12	J
	2-Naphthylamine	10	J
	2-Nitroaniline	11	J
	3-Methylcholanthrene	12	J
	4-Nitrophenol	9	J
	a,a'-Dimethylphenethylamine	13	J
	Aramite	1	J
	Benzidine	13	J
	bis(2-Chloroisopropyl)ether	2	J
	bis(2-Ethylhexyl)phthalate	13	J
	Butylbenzylphthalate	13	J
	Hexachlorophene	13	J
	Isosafrole	13	J
	Methapyrilene	13	J
	Pentachlorobenzene	13	J
	Pronamide	2	J
	Safrole	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 the 80% to 120% control limits, the affected samples with detected results at or near the PQL concentration (i.e., less than three times the PQL) were qualified as estimated (J). The analytes that did not meet CRDL criteria and the number of samples qualified due to those deviations are presented in the following table.

Analytes Qualified Due to CRDL Standard Recovery Deviations

Analysis	Analyte	Number of Affected Samples	Qualification
Inorganics	Selenium	3	J
	Thallium	4	J
	Zinc	11	J

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

Compounds Qualified Due to MS/MSD RPD Deviations

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

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

Compounds Qualified Due to Surrogate Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	All acid compounds	1	R

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

Compounds Qualified Due to Blank Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	Aroclor-1254	5	U
	Total PCBs	5	U

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

Compounds Qualified Due to Extraction Holding Time Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	All Compounds	2	J

5.0 Overall Data Usability

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

Data Usability

Parameter	Percent Usability	Rejected Data
Inorganics	100	None
Cyanide and Sulfide	100	None
VOCs	100	None
SVOCs	98.9	A total of 16 sample results were rejected due to surrogate recovery deviations.
PCBs	100	None
PCDDs/PCDFs	100	None

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

5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included laboratory duplicates, field duplicates, MS/MSD samples, and ICP serial dilution samples. For this analytical program, 0.28% of the data required qualification due to MS/MSD RPD deviations. None of the data required qualification due to laboratory duplicate RPD, field duplicate RPD or ICP serial dilution deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, Laboratory Control Samples (LCSs), MS/MSD samples, and surrogate compound recoveries. For this analytical program, 12.5% of the data required qualification due to instrument calibration deviations and 0.49% of the data required qualification due to surrogate compound recovery deviations. None of the data required qualification due to internal standards, LCS recovery or MS/MSD 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 MDEP-approved work plans, and by following the procedures for sample collection/analyses that were described in the FSP/QAPP. Additionally, the analytical program used procedures consistent with USEPA-approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical program, 7.0% of the data was qualified due to extraction holding time deviations.

5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. The USEPA SW-846[1] analytical methods presented in the FSP/QAPP are updated on occasion by the USEPA to benefit from recent technological advancements in analytical chemistry and instrumentation. In most cases, the method upgrades include the incorporation of new technology that improves the sensitivity and stability of the instrumentation or allows the laboratory to increase throughput without hindering accuracy and precision. Overall, the analytical methods for this investigation have remained consistent in their general approach through

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

continued use of the basic analytical techniques (e.g., sample extraction/preparation, instrument calibration, QA/QC procedures). Through this use of consistent base analytical procedures and by requiring that updated procedures meet the QA/QC criteria specified in the FSP/QAPP, the analytical data from past, present, and future sampling events will be comparable to allow for qualitative and quantitative assessment of site conditions.

5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. The actual completeness of this analytical data set ranged from 80.0 to 100% for individual analytical parameters and had an overall usability of 99.8%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

The rejected sample data for these investigations include sample analyses results for 16 SVOCs for sample location OPCA-MW-5R due to low surrogate recoveries. Re-extraction has demonstrated matrix interference and the same analytical performance limitations for the analysis could occur again; therefore, resampling at this location is not recommended.

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
6D0P168	OPCA-MW-6 (Filtered)	4/17/2006	Water	Tier II	Yes	Aroclor-1254	Method Blank	-	-	ND(0.00016)	
						Total PCBs	Method Blank	-	-	ND(0.00016)	
6D0P168	OPCA-MW-8 (Filtered)	4/17/2006	Water	Tier II	Yes	Aroclor-1254	Method Blank	-	-	ND(0.00020)	
						Total PCBs	Method Blank	-	-	ND(0.00020)	
6D0P168	UB-MW-5	4/18/2006	Water	Tier II	Yes	Aroclor-1254	Method Blank	-	-	ND(0.00011)	
						Total PCBs	Method Blank	-	-	ND(0.00011)	
6D0P168	UB-MW-5 (Filtered)	4/18/2006	Water	Tier II	Yes	Aroclor-1254	Method Blank	-	-	ND(0.000065)	
						Total PCBs	Method Blank	-	-	ND(0.000065)	
6D0P184	78-1 (Filtered)	4/19/2006	Water	Tier II	No						
6D0P184	78-6 (Filtered)	4/19/2006	Water	Tier II	No						
6D0P184	H78B-15 (Filtered)	4/19/2006	Water	Tier II	No						
6D0P189	GMA-DUP-4 (Filtered)	4/18/2006	Water	Tier II	No						OPCA-MW-1 (Filtered)
6D0P189	OPCA-MW-1 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-2 (Filtered)	4/18/2006	Water	Tier II	Yes	Aroclor-1016	MS/MSD RPD	47.0%	<40%	ND(0.000065) J	
						Aroclor-1221	MS/MSD RPD	47.0%	<40%	ND(0.000065) J	
						Aroclor-1232	MS/MSD RPD	47.0%	<40%	ND(0.000065) J	
						Aroclor-1242	MS/MSD RPD	47.0%	<40%	ND(0.000065) J	
						Aroclor-1248	MS/MSD RPD	47.0%	<40%	ND(0.000065) J	
						Aroclor-1254	MS/MSD RPD	47.0%	<40%	ND(0.000075) J	
						Aroclor-1254	Method Blank	-	-	ND(0.000075)	
						Aroclor-1260	MS/MSD RPD	47.0%	<40%	ND(0.000065) J	
						Total PCBs	Method Blank	-	-	ND(0.000075)	
						Total PCBs	MS/MSD RPD	47.0%	<40%	ND(0.000075) J	
6D0P189	OPCA-MW-3 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-4 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-5R (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-7 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P265	GMA-4-RB-1 (Filtered)	4/24/2006	Water	Tier II	No						
Metals											
6D0P168	OPCA-MW-6 (Filtered)	4/17/2006	Water	Tier II	Yes	Zinc	CRDL Standard %R	79.7%	80% to 120%	ND(0.0200) J	
6D0P168	OPCA-MW-8 (Filtered)	4/17/2006	Water	Tier II	Yes	Selenium	CRDL Standard %R	135.6%, 128.7%	80% to 120%	0.00430 J	
						Zinc	CRDL Standard %R	79.7%	80% to 120%	0.0100 J	
6D0P168	UB-MW-5	4/17/2006	Water	Tier II	Yes	Selenium	CRDL Standard %R	78.9%, 65.6%	80% to 120%	ND(0.00500) J	
						Zinc	CRDL Standard %R	79.0%, 77.7%	80% to 120%	0.0860 J	
6D0P168	UB-MW-5 (Filtered)	4/17/2006	Water	Tier II	Yes	Zinc	CRDL Standard %R	79.7%	80% to 120%	0.0380 J	
6D0P184	78-1 (Filtered)	4/19/2006	Water	Tier II	Yes	Thallium	CRDL Standard %R	79.5%	80% to 120%	ND(0.0100) J	
6D0P184	78-6 (Filtered)	4/19/2006	Water	Tier II	Yes	Thallium	CRDL Standard %R	79.5%	80% to 120%	ND(0.0100) J	
6D0P184	H78B-15 (Filtered)	4/19/2006	Water	Tier II	Yes	Thallium	CRDL Standard %R	79.5%	80% to 120%	ND(0.0100) J	
6D0P189	GMA-DUP-4 (Filtered)	4/18/2006	Water	Tier II	Yes	Zinc	CRDL Standard %R	79.7%	80% to 120%	ND(0.0200) J	OPCA-MW-1 (Filtered)
6D0P189	OPCA-MW-1 (Filtered)	4/18/2006	Water	Tier II	Yes	Zinc	CRDL Standard %R	79.7%	80% to 120%	ND(0.0200) J	
6D0P189	OPCA-MW-2 (Filtered)	4/18/2006	Water	Tier II	Yes	Zinc	CRDL Standard %R	79.7%	80% to 120%	ND(0.0200) J	
6D0P189	OPCA-MW-3 (Filtered)	4/18/2006	Water	Tier II	Yes	Zinc	CRDL Standard %R	79.7%	80% to 120%	ND(0.0200) J	
6D0P189	OPCA-MW-4 (Filtered)	4/18/2006	Water	Tier II	Yes	Zinc	CRDL Standard %R	79.7%	80% to 120%	0.0260 J	
6D0P189	OPCA-MW-5R (Filtered)	4/18/2006	Water	Tier II	Yes	Zinc	CRDL Standard %R	79.7%	80% to 120%	0.00360 J	
6D0P189	OPCA-MW-7 (Filtered)	4/18/2006	Water	Tier II	Yes	Selenium	CRDL Standard %R	135.6%, 128.7%	80% to 120%	0.00420 J	
						Zinc	CRDL Standard %R	79.7%	80% to 120%	ND(0.0200) J	
6D0P265	GMA-4-RB-1 (Filtered)	4/24/2006	Water	Tier II	Yes	Thallium	CRDL Standard %R	79.5%	80% to 120%	ND(0.0100) J	
VOCs											
6D0P168	H78B-16	4/17/2006	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
						1,2-Dichloroethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	29.2%	<25%	ND(0.010) J	
						2-Hexanone	CCAL %D	25.2%	<25%	ND(0.010) J	
						Acetone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Acrylonitrile	CCAL %D	84.5%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.040	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	48.4%	<25%	ND(0.0050) J	
						Methacrylonitrile	CCAL %D	48.0%	<25%	ND(0.0050) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	33.2%	<25%	ND(0.0050) J	
6D0P168	H78B-17R	4/17/2006	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
						1,2-Dichloroethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	29.2%	<25%	ND(0.010) J	
						2-Hexanone	CCAL %D	25.2%	<25%	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
						Acetone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Acrylonitrile	CCAL %D	84.5%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.040	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	48.4%	<25%	ND(0.0050) J	
						Methacrylonitrile	CCAL %D	48.0%	<25%	ND(0.0050) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	33.2%	<25%	ND(0.0050) J	
6D0P168	OPCA-MW-6	4/17/2006	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
						1,2-Dichloroethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	29.2%	<25%	ND(0.010) J	
						2-Hexanone	CCAL %D	25.2%	<25%	ND(0.010) J	
						Acetone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Acrylonitrile	CCAL %D	84.5%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.040	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	48.4%	<25%	ND(0.0050) J	
						Methacrylonitrile	CCAL %D	48.0%	<25%	ND(0.0050) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	33.2%	<25%	ND(0.0050) J	
6D0P168	OPCA-MW-8	4/17/2006	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
						1,2-Dichloroethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	29.2%	<25%	ND(0.010) J	
						2-Hexanone	CCAL %D	25.2%	<25%	ND(0.010) J	
						Acetone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Acrylonitrile	CCAL %D	84.5%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.040	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	48.4%	<25%	ND(0.0050) J	
						Methacrylonitrile	CCAL %D	48.0%	<25%	ND(0.0050) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	33.2%	<25%	ND(0.0050) J	
6D0P168	UB-MW-5	4/18/2006	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
						1,2-Dichloroethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	29.2%	<25%	ND(0.010) J	
						2-Hexanone	CCAL %D	25.2%	<25%	ND(0.010) J	
						Acetone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Acrylonitrile	CCAL %D	84.5%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.040	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	48.4%	<25%	ND(0.0050) J	
						Methacrylonitrile	CCAL %D	48.0%	<25%	ND(0.0050) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	33.2%	<25%	ND(0.0050) J	
6D0P168	TRIP BLANK	4/18/2006	Water	Tier II	Yes	1,2,3-Trichloropropane	CCAL %D	27.6%	<25%	ND(0.0050) J	
						1,2-Dichloroethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	29.2%	<25%	ND(0.010) J	
						2-Hexanone	CCAL %D	25.2%	<25%	ND(0.010) J	
						Acetone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Acrylonitrile	CCAL %D	84.5%	<25%	ND(0.0050) J	
						Acrylonitrile	CCAL RRF	0.040	>0.05	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	48.4%	<25%	ND(0.0050) J	
						Methacrylonitrile	CCAL %D	48.0%	<25%	ND(0.0050) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	33.2%	<25%	ND(0.0050) J	
6D0P184	78-1	4/19/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
6D0P184	78-6	4/19/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
6D0P184	H78B-15	4/19/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
6D0P184	TRIP BLANK	4/19/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
6D0P189	GMA-DUP-4	4/18/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	OPCA-MW-1
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
6D0P189	OPCA-MW-1	4/18/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
						Trichloroethene	MS/MSD RPD	18.7%	<14%	ND(0.0050) J	
6D0P189	OPCA-MW-2	4/18/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
6D0P189	OPCA-MW-3	4/18/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
6D0P189	OPCA-MW-4	4/18/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
6D0P189	OPCA-MW-5R	4/18/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	
6D0P189	OPCA-MW-7	4/18/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	30.4%	<25%	ND(0.20) J	
						4-Methyl-2-pentanone	CCAL %D	30.4%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.039	>0.05	ND(0.10) J	
						Acetonitrile	CCAL %D	35.6%	<25%	ND(0.10) J	
						Bromomethane	CCAL %D	33.2%	<25%	ND(0.0020) J	
						Methacrylonitrile	CCAL %D	43.6%	<25%	ND(0.0050) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
6D0P265	GMA-4-RB-1	4/24/2006	Water	Tier II	Yes	1,2-Dichloroethane	CCAL %D	28.4%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	34.0%	<25%	ND(0.010) J	
						Acetonitrile	CCAL RRF	0.043	>0.05	ND(0.10) J	
						Acrolein	CCAL %D	27.5%	<25%	ND(0.10) J	
						Acrylonitrile	CCAL %D	39.2%	<25%	ND(0.0050) J	
						Carbon Disulfide	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	43.6%	<25%	ND(0.0050) J	
						Methacrylonitrile	CCAL %D	43.2%	<25%	ND(0.0050) J	
						Propionitrile	CCAL %D	28.4%	<25%	ND(0.010) J	
						trans-1,4-Dichloro-2-butene	CCAL %D	26.4%	<25%	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	29.2%	<25%	ND(0.0050) J	
SVOCs											
6D0P168	OPCA-MW-6	4/17/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P168	OPCA-MW-8	4/17/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P168	UB-MW-5	4/18/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
6D0P168	UB-MW-5	4/18/2006	Water	Tier II	Yes	Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P184	78-1	4/19/2006	Water	Tier II	Yes	1,2,4,5-Tetrachlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,2,4-Trichlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,2-Dichlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,2-Diphenylhydrazine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,3,5-Trinitrobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,3,5-Trinitrobenzene	CCAL %D	59.9%	<25%	ND(0.010) J	
						1,3-Dichlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,3-Dinitrobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,4-Dichlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,4-Naphthoquinone	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	34.8%	<25%	ND(0.010) J	
						1-Naphthylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4,5-Trichlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4,6-Trichlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4-Dichlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4-Dimethylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4-Dinitrophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						2,4-Dinitrotoluene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4-Dinitrotoluene	CCAL %D	26.6%	<25%	ND(0.010) J	
						2,6-Dichlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,6-Dinitrotoluene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	27.8%	<25%	ND(0.010) J	
						2-Acetylaminofluorene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Chloronaphthalene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Chlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Methylnaphthalene	Holdtimes (Extraction)	14 days	<7days	ND(0.010)J	
						2-Methylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Naphthylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Nitroaniline	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						2-Nitrophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Picoline	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						3&4-Methylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						3,3'-Dichlorobenzidine	Holdtimes (Extraction)	14 days	<7days	ND(0.020) J	
						3,3'-Dimethylbenzidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						3-Methylcholanthrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						3-Methylcholanthrene	CCAL %D	35.8%	<25%	ND(0.010) J	
						3-Nitroaniline	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						4,6-Dinitro-2-methylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						4-Aminobiphenyl	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Bromophenyl-phenylether	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Chloro-3-Methylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Chloroaniline	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Chlorobenzilate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Chlorophenyl-phenylether	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Nitroaniline	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						4-Nitrophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						4-Nitroquinoline-1-oxide	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Phenylenediamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						5-Nitro-o-toluidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						7,12-Dimethylbenz(a)anthracene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						a,a'-Dimethylphenethylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.1%	<25%	ND(0.010) J	
						Acenaphthene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Acenaphthylene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
6D0P184	78-1	4/19/2006	Water	Tier II	Yes	Acetophenone	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Aniline	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Anthracene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Aramite	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzidine	Holdtimes (Extraction)	14 days	<7days	ND(0.020) J	
						Benzidine	CCAL %D	90.5%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.013	>0.05	ND(0.020) J	
						Benzo(a)anthracene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzo(a)pyrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzo(b)fluoranthene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzo(g,h,i)perylene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzo(k)fluoranthene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzyl Alcohol	Holdtimes (Extraction)	14 days	<7days	ND(0.020) J	
						bis(2-Chloroethoxy)methane	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						bis(2-Chloroethyl)ether	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	31.5%	<25%	ND(0.010) J	
						bis(2-Ethylhexyl)phthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.0060) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	34.9%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Butylbenzylphthalate	CCAL %D	34.9%	<25%	ND(0.010) J	
						Chrysene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Diallate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Dibenzo(a,h)anthracene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Dibenzofuran	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Diethylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Dimethylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Di-n-Butylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Di-n-Octylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Diphenylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Ethyl Methanesulfonate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Fluoranthene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Fluorene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Hexachlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Hexachlorocyclopentadiene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Hexachloroethane	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Hexachlorophene	Holdtimes (Extraction)	14 days	<7days	ND(0.020) J	
						Hexachlorophene	CCAL %D	81.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.019	>0.05	ND(0.020) J	
						Hexachloropropene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Isodrin	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Isophorone	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Isosafrole	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Isosafrole	CCAL %D	123.0%	<25%	ND(0.010) J	
						Methapyrilene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Methapyrilene	CCAL %D	31.8%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Naphthalene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Nitrobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosodiethylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosodimethylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitroso-di-n-butylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitroso-di-n-propylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosodiphenylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosomethylethylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosomorpholine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosopiperidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosopyrrolidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						o,o,o-Triethylphosphorothioate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						o-Toluidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						p-Dimethylaminoazobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pentachlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	26.1%	<25%	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
6D0P184	78-1	4/19/2006	Water	Tier II	Yes	Pentachloroethane	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pentachloronitrobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pentachlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						Phenacetin	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Phenanthrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Phenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pronamide	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pronamide	CCAL %D	26.5%	<25%	ND(0.010) J	
						Pyrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pyridine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Safrole	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Safrole	CCAL %D	29.8%	<25%	ND(0.010) J	
						Thionazin	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
6D0P184	78-6	4/19/2006	Water	Tier II	Yes	1,2,4,5-Tetrachlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,2,4-Trichlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,2-Dichlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,2-Diphenylhydrazine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,3,5-Trinitrobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,3,5-Trinitrobenzene	CCAL %D	59.9%	<25%	ND(0.010) J	
						1,3-Dichlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,3-Dinitrobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,4-Dichlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,4-Naphthoquinone	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	34.8%	<25%	ND(0.010) J	
						1-Naphthylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4,5-Trichlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4,6-Trichlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4-Dichlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4-Dimethylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4-Dinitrophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						2,4-Dinitrotoluene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,4-Dinitrotoluene	CCAL %D	26.6%	<25%	ND(0.010) J	
						2,6-Dichlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,6-Dinitrotoluene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	27.8%	<25%	ND(0.010) J	
						2-Acetylaminofluorene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Chloronaphthalene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Chlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Methylnaphthalene	Holdtimes (Extraction)	14 days	<7days	ND(0.010)J	
						2-Methylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Naphthylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Nitroaniline	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						2-Nitrophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						2-Picoline	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						3&4-Methylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						3,3'-Dichlorobenzidine	Holdtimes (Extraction)	14 days	<7days	ND(0.020) J	
						3,3'-Dimethylbenzidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						3-Methylcholanthrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						3-Methylcholanthrene	CCAL %D	35.8%	<25%	ND(0.010) J	
						3-Nitroaniline	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						4,6-Dinitro-2-methylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						4-Aminobiphenyl	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Bromophenyl-phenylether	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Chloro-3-Methylphenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Chloroaniline	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Chlorobenzilate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Chlorophenyl-phenylether	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Nitroaniline	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						4-Nitrophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						4-Nitroquinoline-1-oxide	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						4-Phenylenediamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						5-Nitro-o-toluidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						7,12-Dimethylbenz(a)anthracene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
6D0P184	78-6	4/19/2006	Water	Tier II	Yes	a,a'-Dimethylphenethylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.1%	<25%	ND(0.010) J	
						Acenaphthene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Acenaphthylene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Acetophenone	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Aniline	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Anthracene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Aramite	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzidine	Holdtimes (Extraction)	14 days	<7days	ND(0.020) J	
						Benzidine	CCAL %D	90.5%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.013	>0.05	ND(0.020) J	
						Benzo(a)anthracene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzo(a)pyrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzo(b)fluoranthene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzo(g,h,i)perylene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzo(k)fluoranthene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Benzyl Alcohol	Holdtimes (Extraction)	14 days	<7days	ND(0.020) J	
						bis(2-Chloroethoxy)methane	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						bis(2-Chloroethyl)ether	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	31.5%	<25%	ND(0.010) J	
						bis(2-Ethylhexyl)phthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.0060) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	34.9%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Butylbenzylphthalate	CCAL %D	34.9%	<25%	ND(0.010) J	
						Chrysene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Diallate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Dibenzo(a,h)anthracene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Dibenzofuran	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Diethylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Dimethylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Di-n-Butylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Di-n-Octylphthalate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Diphenylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Ethyl Methanesulfonate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Fluoranthene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Fluorene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Hexachlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Hexachlorocyclopentadiene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Hexachloroethane	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Hexachlorophene	Holdtimes (Extraction)	14 days	<7days	ND(0.020) J	
						Hexachlorophene	CCAL %D	81.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.019	>0.05	ND(0.020) J	
						Hexachloropropene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Isodrin	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Isophorone	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Isosafrole	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Isosafrole	CCAL %D	123.0%	<25%	ND(0.010) J	
						Methapyrilene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Methapyrilene	CCAL %D	31.8%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Naphthalene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Nitrobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosodiethylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosodimethylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitroso-di-n-butylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitroso-di-n-propylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosodiphenylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosomethylethylamine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosomorpholine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosopiperidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						N-Nitrosopyrrolidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						o,o,o-Triethylphosphorothioate	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
6D0P184	78-6	4/19/2006	Water	Tier II	Yes	o-Toluidine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						p-Dimethylaminoazobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pentachlorobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	26.1%	<25%	ND(0.010) J	
						Pentachloroethane	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pentachloronitrobenzene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pentachlorophenol	Holdtimes (Extraction)	14 days	<7days	ND(0.050) J	
						Phenacetin	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Phenanthrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Phenol	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pronamide	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pronamide	CCAL %D	26.5%	<25%	ND(0.010) J	
						Pyrene	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Pyridine	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Safrole	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
						Safrole	CCAL %D	29.8%	<25%	ND(0.010) J	
						Thionazin	Holdtimes (Extraction)	14 days	<7days	ND(0.010) J	
6D0P189	GMA-DUP-4	4/18/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	OPCA-MW-1
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P189	OPCA-MW-1	4/18/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P189	OPCA-MW-2	4/18/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
6D0P189	OPCA-MW-2	4/18/2006	Water	Tier II	Yes	4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P189	OPCA-MW-3	4/18/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P189	OPCA-MW-4	4/18/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P189	OPCA-MW-5R	4/18/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4,5-Trichlorophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4,6-Trichlorophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4-Dichlorophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4-Dimethylphenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,4-Dinitrophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,6-Dichlorophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
6D0P189	OPCA-MW-5R	4/18/2006	Water	Tier II	Yes	2-Chlorophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2-Methylphenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						2-Nitrophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						3&4-Methylphenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4,6-Dinitro-2-methylphenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						4-Chloro-3-Methylphenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						4-Nitrophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Pentachlorophenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						Phenol	Surrogate Recovery Acid	1.9%, 0.7%	21.0% to 100.0%, 10.0% to 94.0%	R	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P189	OPCA-MW-7	4/18/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	70.2%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	29.1%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	26.4%	<25%	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	25.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	29.5%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	25.4%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	27.1%	<25%	ND(0.010) J	
						4-Nitrophenol	CCAL %D	28.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	66.7%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	28.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	29.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	99.6%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.000	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	117.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.2%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	27.5%	<25%	ND(0.010) J	
						Safrole	CCAL %D	25.3%	<25%	ND(0.010) J	
6D0P265	GMA-4-RB-1	4/24/2006	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	73.0%	<25%	ND(0.010) J	
						1,3-Dinitrobenzene	CCAL %D	32.0%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	28.1%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	26.9%	<25%	ND(0.010) J	
						2-Nitroaniline	CCAL %D	27.9%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.036	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	69.4%	<25%	ND(0.010) J	
						Aramite	CCAL %D	41.4%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	90.2%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.017	>0.05	ND(0.020) J	
						bis(2-Ethylhexyl)phthalate	CCAL %D	29.7%	<25%	ND(0.0060) J	
						Butylbenzylphthalate	CCAL %D	27.1%	<25%	ND(0.010) J	
						Hexachlorophene	CCAL %D	87.3%	<25%	ND(0.020) J	
						Hexachlorophene	CCAL RRF	0.013	>0.05	ND(0.020) J	
						Isosafrole	CCAL %D	127.0%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.7%	<25%	ND(0.010) J	
						Pentachlorobenzene	CCAL %D	29.8%	<25%	ND(0.010) J	

TABLE F - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4 (GMA 4)

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCDDs/PCDFs											
6D0P168	OPCA-MW-6	4/17/2006	Water	Tier II	No						
6D0P168	OPCA-MW-8	4/17/2006	Water	Tier II	No						
PCDDs/PCDFs (continued)											
6D0P168	UB-MW-5	4/18/2006	Water	Tier II	No						
6D0P184	78-1	4/19/2006	Water	Tier II	No						
6D0P184	78-6	4/19/2006	Water	Tier II	No						
6D0P184	H78B-15	4/19/2006	Water	Tier II	No						
6D0P189	GMA-DUP-4	4/18/2006	Water	Tier II	No						OPCA-MW-1
6D0P189	OPCA-MW-1	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-2	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-3	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-4	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-5R	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-7	4/18/2006	Water	Tier II	No						
6D0P265	GMA-4-RB-1	4/24/2006	Water	Tier II	No						
Cyanides/Sulfides											
6D0P168	OPCA-MW-6	4/17/2006	Water	Tier II	No						
6D0P168	OPCA-MW-6 (Filtered)	4/17/2006	Water	Tier II	No						
6D0P168	OPCA-MW-8	4/17/2006	Water	Tier II	No						
6D0P168	OPCA-MW-8 (Filtered)	4/17/2006	Water	Tier II	No						
6D0P168	UB-MW-5	4/18/2006	Water	Tier II	No						
6D0P168	UB-MW-5 (Filtered)	4/17/2006	Water	Tier II	No						
6D0P184	78-1	4/19/2006	Water	Tier II	No						
6D0P184	78-1 (Filtered)	4/19/2006	Water	Tier II	No						
6D0P184	78-6	4/19/2006	Water	Tier II	No						
6D0P184	78-6 (Filtered)	4/19/2006	Water	Tier II	No						
6D0P184	H78B-15	4/19/2006	Water	Tier II	No						
6D0P184	H78B-15 (Filtered)	4/19/2006	Water	Tier II	No						
6D0P189	GMA-DUP-4	4/18/2006	Water	Tier II	No						
6D0P189	GMA-DUP-4 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-1	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-1 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-2	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-2 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-3	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-3 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-4	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-4 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-5R	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-5R (Filtered)	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-7	4/18/2006	Water	Tier II	No						
6D0P189	OPCA-MW-7 (Filtered)	4/18/2006	Water	Tier II	No						
6D0P265	GMA-4-RB-1	4/24/2006	Water	Tier II	No						
6D0P265	GMA-4-RB-1 (Filtered)	4/24/2006	Water	Tier II	No						

Appendix G

Groundwater Monitoring Well Logs

BBL®
an ARCADIS company

Date Start/Finish: 3/23/06
Drilling Company: Parratt-Wolff
Driller's Name: Lee Penrod
Drilling Method: HSA
Bit Size: 6-1/4" OD
Auger Size: 4-1/4" ID
Rig Type: CME 55
Sampling Method: 2' x 2" Split Spoon

Northing: 535774.2
Easting: 135658.4
Casing Elevation: 1009.12

Borehole Depth: 13' below grade
Surface Elevation: 1009.62

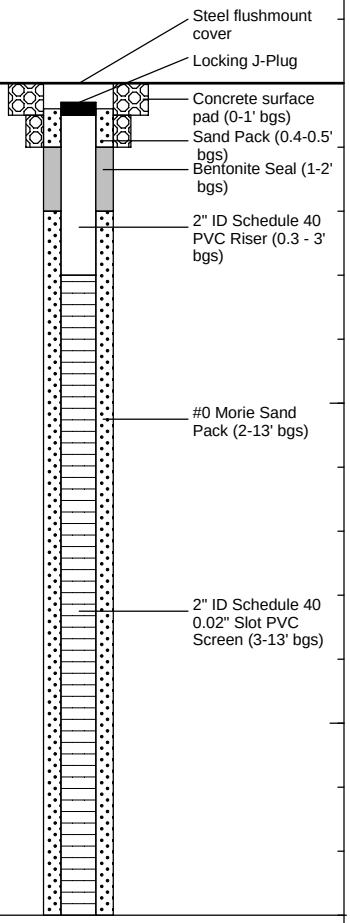
Geologist: Katherine Murray

Well/Boring ID: GMA4-6

Client: General Electric Company

Location: GMA 4, Tyler St. Extension
Pittsfield, Massachusetts

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description
1010 / 0									
	1	0-2	0.6	NA 20 20 12	40	0.0			ASPHALT. Brown fine to coarse SAND, some fine Gravel, dry.
	2	2-4	1.1	15 14 15 16	29	0.0			Quartzite cobble in tip of split spoon at ~2' bgs.
1005 / 5	3	4-6	1.1	8 10 10 9	20	0.0			Gray-green with white QUARTZITE rock fragments, some fine Sand, trace Silt and medium to coarse Sand, damp.
	4	6-8	1.3	9 6 7 5	13	0.0			Gray-green very fine SAND, little Silt, wet.
1000 / 10	5	8-10	1.2	1 1 1 1	2	0.0			Dark brown very fine SAND, little Silt, wet.
	6	10-12	0.5	1 1 1 1	2	0.0			
	7	12-13	0.4	3 9	NA	0.0			Brown fine to medium SAND, trace coarse Sand and fine Gravel, wet.
995 / 15									



Well/Boring Construction

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

Remarks: NA = Not Applicable/Available; bgs = below ground surface; HSA = Hollow Stem Auger

Date Start/Finish: 5/8/06
Drilling Company: Parratt Wolff
Driller's Name: Bill Rice
Drilling Method: HSA
Sampler Size: 2" x 2' SS
Auger Size: 4 1/4" ID
Rig Type: Truck-mounted IR 300 Rig

Northing: 535377.4
Easting: 135573.9
Casing Elevation: 1016.46

Borehole Depth: 30' bgs
Surface Elevation: 1016.97

Descriptions By: Sara Klimek

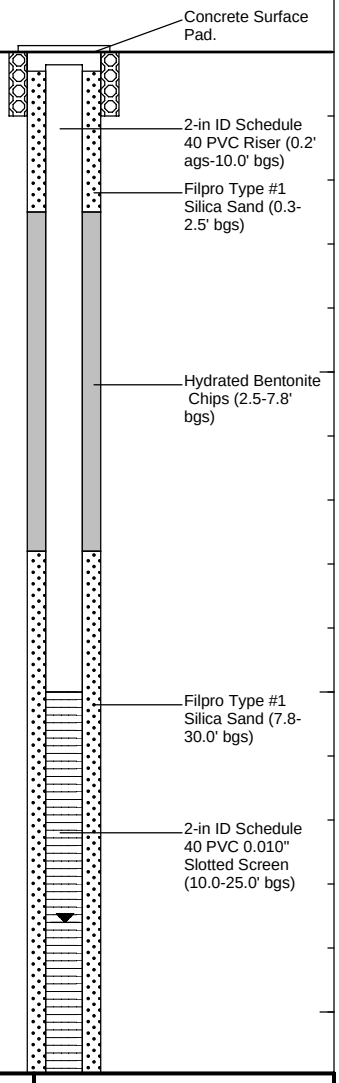
Well ID: OPCA-MW-1R

Client: General Electric Company

Location: Groundwater Management Area 1
OPCA
Pittsfield, MA

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description
0 / 0	1	0-2	1.0	0.0		Brown and white fine to coarse SAND, snd fine sub-angular GRAVEL, loose, non-plastic, dry.
						White fine SAND, loose, non-plastic, dry.
	2	2-4	1.8	0.0		Brown fine SAND and SILT, trace coarse angular Sand and coarse angular Gravel, loose, moist.
5 / -5	3	4-6	1.5	0.0		Trace Clay from 4.7-4.9' bgs.
	4	6-8	1.7	0.0		Trace fine to medium sub-rounded to sub-angular Gravel, broken Cobble at 6.2' and 7.6' bgs.
						Light gray COBBLE, dry.
	5	8-10	1.8	0.0		Brown SILT, trace fine Sand and Clay, moderately loose, moist to dry. Trace Cobble at 9.1' and 9.4' bgs.
10 / -10						Wet below 10' bgs.
	6	10-12	0.5	0.0		Light gray COBBLE, dry.
						Brown SILT, trace fine Sand and Clay, trace fine to coarse Gravel, moderately loose, wet.
	7	12-14	1.9	0.0		Light gray COBBLE.
						Light brown fine SAND, loose, wet.
						Brown fine SAND, little fine to coarse Gravel, trace Silt and Clay, moderately losee, wet at 13.6' bgs.
15 / -15	8	14-16	2.0	0.0		Brown fine SAND, little Silt, trace medium to coarse Sand and Silt, moderately loose, wet.

Well Construction



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engineers, scientists, economists

Remarks: NA = Not Available/Not Applicable;
bgs = below ground surface.

Water Level Data

Date	Depth	Elev.

Client:
General Electric Company

Site Location:
Groundwater Management Area 1
OPCA
Pittsfield, MA

Well ID: OPCA-MW-1R

Borehole Depth: 30' bgs

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well Construction
	9	16-18	2.0	0.0		Brown fine SAND, little Silt, trace medium to coarse Sand and Silt, moderately loose, wet.	
	10	18-20	0.0	0.0		No Recovery.	
20-*20*	11	20-22	1.1	0.0		Brown fine SAND, some Silt, trace Clay, moderately dense, wet.	2-in ID Schedule 40 PVC 0.010" Slotted Screen (10.0-25.0' bgs)
	12	22-24	1.7	0.0		Multi-color fine to coarse SAND, loose, wet.	Filpro Type #1 Silica Sand (7.8-30.0' bgs)
25-*25*	13	24-26	2.0	0.0		Brown fine SAND, loose, wet. Brown fine SAND, some Silt, trace Clay, dense, wet.	
	14	26-28	1.7	0.0		Brown fine SAND, trace medium to coarse angular Grvale, moderately dense, wet. Brown fine SAND, some Silt, trace Clay, dense, wet.	
	15	28-30	2.0	0.0			
30-*30*							
35-*35*							

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

Remarks: NA = Not Available/Not Applicable;
bgs = below ground surface.

Water Level Data

Date	Depth	Elev.