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Transmitted Via Overnight Courier

February 25, 2005

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

Re: **GE-Pittsfield/Housatonic River Site**
Groundwater Management Area 4 (GECD340)
Groundwater Quality Monitoring Interim Report for Fall 2004

Dear Mr. DiLorenzo:

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 2004 GMA 4 Report), enclosed is the *Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Fall 2004.* This report summarizes activities performed at Groundwater Management Area (GMA) 4 (also known as the Plant Site 3 GMA) during fall 2004, 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,

John F. Novotny, P.E.
Manager - Facilities and Brownfields Programs

Enclosure
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TECHNICAL REPORT

Groundwater Management Area 4 Groundwater Quality Monitoring Interim Report for Fall 2004

General Electric Company
Pittsfield, Massachusetts

February 2005

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

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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. Therefore, the Fall 2003 GMA 4 Groundwater Quality Report contained 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 Fall 2004* (Fall 2004 Groundwater Quality Report) presents the results of groundwater sampling activities performed at this GMA during October 2004. In addition to the activities that occurred at this GMA in October 2004, well GMA4-5 was sampled on a quarterly basis (April, July, October, and December) as part of groundwater investigation activities governed by a separate Administrative Consent Order (ACO) executed between GE and MDEP at the Commercial Street ACO Site. The results of those investigations were previously documented in a report entitled *Commercial Street Site, Pittsfield, Massachusetts (GEACO230); Evaluation of Groundwater Conditions*, dated January 14, 2005. The Spring 2004 Groundwater Quality Report included the results from the April 2004 sampling event at well GMA4-5, and the results for the three remaining quarterly sampling events that occurred at well GMA4-5 in 2004 are summarized herein.

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 being spring 2004 and the next scheduled event being fall 2005.

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 GMA4-5, H76B-16, and H78B-17R are sampled 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, groundwater containing TCE is present 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. However, the spring 2004 sampling event constituted the fourth baseline sampling event for well 60B-R and the third sampling event for well H78B-13R, while well UB-MW-5 had not been successfully sampled prior to the spring 2004 sampling event since it was dry during each previous monitoring event.

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 therefore 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. 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, alternating between spring and fall seasons, and analysis 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 installed as a GW-2 well downgradient of GMA 4 and sampled for VOCs during the fall 2003 sampling event. This well also was included in a one-year monitoring program being conducted relative to the Commercial Street ACO site. Under the ACO program, this well was sampled on a quarterly basis for one year.

In addition, in fall 2004 GE collected an additional round of baseline samples at one GMA 4 baseline monitoring well (H78B-13R) to complete the four baseline sampling rounds at this location. GE also attempted to sample well UB-MW-5 during the fall 2004 sampling event; however, this well became dry during purging and did not recharge for sample collection. As discussed below, well UB-MW-5 has been dry when sample collection was attempted during all but one of the previous sampling events. As GE will be continuing the interim monitoring program on a semi-annual basis for the wells associated with the OPCAs, GE will continue to attempt to collect samples from well UB-MW-5.

GE initiated the fall 2004 groundwater sampling event on September 30, 2004 and completed the required data collection at all of the GMA 4 locations on October 6, 2004 (well GMA4-5 was also sampled on July 13, 2004 and November 30, 2004 as part of the quarterly monitoring rounds under the Commercial Street Site ACO). The GMA 4 interim monitoring program activities performed in fall 2004 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 fall 2004. Section 3 presents the analytical results obtained during the

fall 2004 groundwater sampling event, while Section 4 provides a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW and provides an assessment of the results of the fall 2004 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 as depicted on Figure 2. 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 Table 1 and depicted on Figure 2. The construction details of the monitoring wells and/or locations sampled at GMA 4 in fall 2004 are provided in Table 2, and the fall 2004 field sampling data 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 Groundwater Level Measurement and LNAPL Monitoring

The fall 2004 groundwater elevation monitoring at GMA 4 was performed on October 13, 2004 with the exception of four wells that were gauged on October 15, 2004. This activity involved collecting groundwater level data at the wells listed in Table 3. The fall 2004 groundwater elevation data 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. Specifically, groundwater generally flows from north to south, although variations exist due to topography of the ground surface and the glacial till interface. A comparison of the groundwater contour map with the top of till contour map (Figure 4) shows that groundwater elevations are generally related to changes in the elevation of the glacial till interface.

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. Field observations and measurements indicate that NAPL was not

encountered in either of these wells or in any of the other wells monitored and/or sampled during the fall 2004 interim sampling event.

2.3 Groundwater Sampling and Analysis

2.3.1 GMA 4 Sampling

The fall 2004 interim sampling event was performed between September 30, 2004 and October 6, 2004 at 13 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 (H78B-13R); and one other groundwater monitoring well (GMA4-5) that is located downgradient of GMA 4. Well construction information for the GMA 4 monitoring wells is included in Table 2.

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 2004 sampling event are provided in Table 4 and are identified on the sampling records contained in Appendix D.

Low-flow sampling techniques using either a bladder or peristaltic pump were utilized for the purging and collection of groundwater samples during this sampling event. Each monitoring well that was sampled was purged utilizing low-flow sampling techniques until field parameters (including temperature, pH, specific conductivity, turbidity, dissolved oxygen, and, oxidation-reduction potential) stabilized prior to sample collection. Field parameters were measured in combination with the sampling activities at the monitoring wells. The field parameter measurements are presented in Table 5 and the field sampling records are provided in Appendix D. A general summary of the field measurement results during the fall 2004 monitoring event is provided below.

PARAMETER	UNITS	RANGE
Temperature	Degrees Celsius	11.74 – 17.42
pH	pH units	5.82 – 8.68
Specific Conductivity	Millisiemens per centimeter	0.42 – 4.86
Turbidity	NTUs	0 – 20
Dissolved Oxygen	Milligrams per liter	0.20 – 5.67
Oxidation-Reduction Potential	Millivolts	-311.3 – 123.4

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 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 the wells that were monitored solely for compliance with the GW-2 standards (as discussed below), were submitted for analysis of the following constituents using the associated EPA methods:

CONSTITUENTS	EPA METHOD
VOCs	8260B
Semi-Volatile Organic Compounds (SVOCs)	8270C
PCBs	8082
Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans (PCDDs/PCDFs)	8290
Metals	6010B, 7000A, and 7470A
Cyanide	9014
Sulfide	9034

For well GMA4-5, which was designated as a GW-2 sentinel/compliance well in the GMA 4 interim monitoring program, the groundwater sample was submitted for analysis of VOCs, SVOCs, PCBs and extractable petroleum hydrocarbons, in accordance with the Commercial Street ACO Site groundwater monitoring program. For completeness, the SVOC, PCB, and extractable petroleum hydrocarbon data for well GMA4-5 have been incorporated into this report; however, those data are not required under the GMA 4 interim monitoring program

and these analyses only pertain to the groundwater quality program being conducted at the Commercial Street Site.

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

The data for the fall 2004 interim groundwater quality sampling were validated in accordance with the FSP/QAPP. As discussed in the validation report provided as Appendix E, 99.7% of the fall 2004 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.

2.3.2 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 fall 2004 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 fall 2004 analytical results from the GMA 4 groundwater quality monitoring wells for each constituent group that was analyzed.

3.2.1 VOC Results

A total of 15 groundwater samples were collected from 13 monitoring wells and analyzed for VOCs during the fall 2004 sampling event (two additional samples were collected from well GMA4-5 during quarterly sampling events and are reported herein). The VOC analytical results are summarized in Table A-1 within Appendix A. No VOCs were detected in 11 of the groundwater samples, while four individual VOCs were observed in one or more of the remaining four samples. Total VOC concentrations ranged from non-detect (in 11 samples) to an estimated concentration of 0.0036 ppm.

3.2.2 SVOC Results

A total of 15 groundwater samples were collected from 13 monitoring wells and were analyzed for SVOCs during the fall 2004 sampling event (including two additional samples from well GMA4-5). One SVOC, acenaphthene, was detected at monitoring well OPCA-MW-3 at an estimated concentration of 0.0027 ppm. No

SVOCs were detected in any of the other samples. The SVOC analytical results are summarized in Table A-1 within Appendix A.

As discussed in Appendix E, the laboratory results for acid compounds (i.e., phenolics) were rejected for two samples (H78B-13R and OPCA-MW-5R) due to surrogate recovery deviations outside of the laboratory-specified control limits. The rejected data were originally reported as non-detects, which is consistent with prior analytical results for these locations. Phenolics have never been detected at well OPCA-MW-5R, while a total of four phenolics have been previously detected at low levels during one or two baseline sampling events at well H78B-13R. GE's response to these rejected results is to continue the ongoing semi-annual sampling at well OPCA-MW-5R and to collect one additional round of SVOC samples from well H78B-13R.

3.2.3 PCB Results

Unfiltered groundwater samples from two monitoring wells and filtered groundwater samples from 13 wells were analyzed for PCBs as part of the fall 2004 sampling event. Because monitoring well HB78-13 was being sampled and analyzed for the fourth and final time under the baseline monitoring program protocol, and because well GMA4-5 was sampled under the Commercial Street groundwater monitoring program (including during the two additional sampling events), both unfiltered and filtered samples from these two wells 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 two of the four unfiltered samples and in nine of the 15 filtered samples. Total detected PCB concentrations in the unfiltered samples ranged from an estimated concentration of 0.000019 ppm to 0.000027 ppm. For the filtered samples, detected PCB concentrations ranged from an estimated concentration of 0.000020 ppm to 0.000228 ppm.

3.2.4 PCDD/PCDF Results

Groundwater samples collected from 12 monitoring wells were analyzed for PCDDs/PCDFs during the fall 2004 sampling event. The analytical results are summarized in Table A-1 within Appendix A. Only one individual PCDD/PCDF congener was detected in one of the groundwater samples analyzed for this parameter. 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. Total TEQ concentrations range from $2.2x10^{-9}$ ppm to $8.7x10^{-9}$ ppm.

3.2.5 Inorganic Constituent Results

Unfiltered groundwater samples were collected from one monitoring well and filtered groundwater samples were obtained from 12 monitoring wells for analysis of inorganic constituents during the fall 2004 sampling event. Because monitoring well HB78-13 was being sampled and analyzed for the fourth and final time under the baseline monitoring program protocol, samples from this well was analyzed for both unfiltered and filtered inorganics. The remaining wells, however, were sampled and analyzed in accordance with the interim monitoring program protocols, which provide for analysis of filtered inorganic samples only. 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. Up to six individual inorganic constituents were observed in the unfiltered sample, and up to seven individual inorganic constituents were detected in at least one filtered sample. The most commonly observed inorganics were barium (detected in the unfiltered sample and 12 filtered samples), and zinc (detected in the unfiltered sample and 10 filtered samples).

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 December 2004), 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 0.017 ppm.

4. Assessment of Results

4.1 General

This report constitutes the second interim groundwater quality monitoring report for GMA 4, and is the eighth monitoring report submitted since commencement of the groundwater monitoring program associated with the OPCAs. The information presented herein is based on the laboratory results obtained during the fall 2004 groundwater sampling event, supplemented with historical groundwater analytical data where 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 2004 sampling event are listed in Tables 6 and 7, respectively. (In the event of any discrepancy between the standards listed in these tables and those published in the MCP, the latter will be controlling.) For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards. Of course, whichever method is used to establish such groundwater standards, GW-2 standards will be applied to GW-2 groundwater and GW-3 standards will be applied to GW-3 groundwater.

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 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 fall 2004 sampling event were compared to the MCP UCLs for groundwater. Analytical results from wells included in the OPCA groundwater monitoring program were also compared to the 1999 baseline data, as well as prior OPCA-related monitoring data, for those wells.

4.3 Groundwater Quality – Fall 2004

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the fall 2004 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 2004 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 groundwater UCLs.

With regard to constituents analyzed as either a filtered or unfiltered sample (i.e., PCBs and inorganics), monitoring well H78B-13 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 fall 2004 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. These wells are GMA4-5, H78B-15, OPCA-MW-1, OPCA-MW-4, and OPCA-MW-5R. The fall 2004 groundwater analytical results for the detected constituents within these five wells were compared to the MCP Method 1 GW-2 standards as presented in Table 6. That comparison indicates that none of the detected constituents exceeded its respective MCP Method 1 GW-2 standard. In addition, 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). For wells where prior analytical data exist, the fall 2004 GW-2 well monitoring results are generally consistent with the prior sampling results, as shown on the graphs contained in Appendix B.

As previously discussed, well GMA4-5 was installed as a downgradient GW-2 well and added to the monitoring program in response to previous analytical results obtained from monitoring wells located along the downgradient boundary of GMA 4. This well was also sampled as part of a separate quarterly groundwater monitoring program for the Commercial Street ACO Site. VOCs were not detected in this well during the fall 2004 sampling event; however, trace concentrations of toluene were encountered at this well during the final quarterly sampling event (November 2004). The toluene concentration, estimated at 0.0034 ppm, was far below the GW-2 standard of 6 ppm.

During the spring 2003 sampling event, vinyl chloride was detected in well OPCA-MW-4 at a concentration of 0.0028 ppm, only slightly above the Method 1 GW-2 standard of 0.002 ppm. In the spring 2003 Baseline Report, GE noted that this well is more than 30 feet from an occupied building, suggesting that GW-2 classification may not be appropriate for this well. However, GE proposed to collect additional data to assess

whether additional response actions were necessary with regard to that well. This constituent was not detected during the fall 2003 sampling event. However, vinyl chloride was again detected at well OPCA-MW-4 in spring 2004, at a concentration of 0.0015ppm, which is below the applicable Method 1 GW-2 standard of 0.002 ppm. During the fall 2004 sampling event, vinyl chloride was not detected in this well. Based on these results, GE does not believe that additional response actions beyond further monitoring are necessary at well OPCA-MW-4. GE will continue monitoring this well as part of the OPCA semi-annual groundwater monitoring program. As additional data are collected, GE will assess whether further response actions are necessary.

4.3.2 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected for PCB analysis from 12 wells designated as GW-3 monitoring points during the fall 2004 groundwater sampling event, plus well GMA4-5. The analytical results for the constituents detected in the 12 GW-3 wells were compared to the applicable MCP Method 1 GW-3 standards as presented in Table 7. Although Table 7 provides a comparison of the fall 2004 analytical results from the 12 GW-3 monitoring wells, only one of those wells (i.e., downgradient well H78B-13R) has been designated as a compliance point for the GW-3 standards. The remaining GW-3 wells are either upgradient perimeter wells (78-1 and 78-6) or general source area/sentinel wells (H78B-15, and OPCA-MW-1 through OPCA-MW-8). The comparisons set forth in Table 7 show that none of the constituents detected was above its respective MCP Method 1 GW-3 standard.

4.3.3 Comparison to Upper Concentration Limits

In addition to comparing the fall 2004 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 13 groundwater samples analyzed during the fall 2004 sampling event and/or the two additional quarterly samples collected from well GMA4-5.

4.3.4 Comparison to OPCA Baseline and Prior Groundwater Data

Groundwater samples were collected from 11 OPCA monitoring wells during the fall 2004 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 historical analytical data from the OPCA monitoring program are summarized in Table B-1 within Appendix B. The results of these comparisons for each analytical constituent group (i.e., VOCs, SVOCs, PCBs, PCDDs/PCDFs, and inorganics) are discussed below.

Overall, the fall 2004 groundwater sampling results from the OPCA monitoring wells indicate no OPCA-related impacts on concentrations of PCBs or other Appendix IX+3 constituents in groundwater. Although PCBs were detected in the filtered samples collected from eight of the 11 OPCA wells, six of these results were estimated trace concentrations and all detected concentrations were below the MCP Method 1 GW-3 standard. In addition, no VOCs or SVOCs other than chlorobenzene, toluene, TCE, and acenaphthene were detected in any of the OPCA groundwater samples. The detected concentrations of those and other constituents were below the applicable UCLs, Method 1 GW-2 standards, and/or Method 1 GW-3 standards.

VOCs

Four VOCs were detected in the fall 2004 OPCA monitoring well samples. Chlorobenzene was detected at OPCA monitoring well OPCA-MW-5R at an estimated concentration of 0.0030 ppm. Toluene was also detected at OPCA monitoring well OPCA-MW-5R at an estimated concentration of 0.00057 ppm. Xylenes were detected in well H78B-13R at an estimated concentration of 0.0031 ppm. Finally, TCE was detected at OPCA monitoring well OPCA-MW-4 at an estimated concentration of 0.0015 ppm. These estimated concentrations are well below the MCP Method 1 GW-3 standards and UCLs for the four respective compounds. 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 2004 sampling event, only one SVOC constituent was detected in a single OPCA monitoring well sample. This constituent (acenaphthene) was detected at monitoring well OPCA-MW-3 at an estimated concentration of 0.0027 ppm. This concentration is well below the applicable MCP Method 1 standards and UCL; however, this is the first time this constituent has been detected at this well or any of the other GMA 4 wells during the baseline sampling activities. As discussed below, GE plans to continue the OPCA groundwater

monitoring program and to continue to monitor the concentration of this and other constituents in the OPCA wells.

In addition, as noted above, the laboratory results for acid compounds (i.e., phenolics) were rejected for OPCA monitoring well OPCA-MW-5R due to surrogate recovery deviations outside of the laboratory-specified control limits. The rejected data were originally reported as non-detects, which is consistent with prior analytical results for this location. Phenolics have never been detected at well OPCA-MW-5R and GE will continue semi-annual sampling at this well.

PCBs

The fall 2004 PCB results for the OPCA wells indicate that PCBs were detected in eight of the filtered samples. As illustrated on the historical PCB concentration graphs in Appendix B, PCB concentrations have not changed significantly at the OPCA monitoring wells since the commencement of the baseline monitoring event. In addition, none of the filtered samples contained PCBs above the applicable Method 1 GW-3 standard of 0.0003 ppm or above the applicable UCL of 0.005 ppm.

Other Appendix IX+3 Constituents

Trace levels of PCDDs and PCDFs were observed in only one OPCA groundwater monitoring program well (OPCA-MW-1) during the fall 2004 sampling event. 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 calculated during the OPCA baseline investigation 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. For the detected inorganic constituents, none of the groundwater standards was exceeded 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 fall 2004 total VOC result (0.017 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 fall 2004 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 MCP Method 1 GW-2 or GW-3 standards or UCLs during one or more of the prior baseline or OPCA monitoring program sampling events.

Based on a review of the concentration vs. time graphs presented in Appendix B, it appears that concentrations of VOCs and PCBs generally have decreased or have consistently not been detected in the majority of the wells that have been monitored. The fall 2004 groundwater sampling and analysis activities performed at GMA 4 indicate no significant impacts on groundwater. All detected constituents were at levels below the respective Method 1 GW-2 standards, Method 1 GW-3 standards, and/or UCLs.

4.5 NAPL Monitoring Results

During the six-month period from July through December 2004, NAPL monitoring was conducted in conjunction with the groundwater elevation monitoring events. NAPL was not observed in any of the GMA 4 monitoring wells monitored during the fall of 2004, 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).

5. Proposed Modifications to Interim Groundwater Quality Monitoring Program

5.1 General

In fall 2004, GE conducted the second 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. GE will also continue to attempt to complete baseline sampling at the one location (UB-MW-5) that could not be sampled during every event of the initial two-year baseline monitoring program,

This section contains a description of certain proposed modifications to the interim groundwater monitoring program that were developed based on the results of the fall 2004 groundwater sampling event.

5.2 Proposed Modification to Interim Groundwater Quality Monitoring Program

As mentioned above, the fourth baseline sample was collected from monitoring well H78B-13R in fall 2004. To identify if this well should be included in the interim sampling program, GE utilized a criteria similar to that utilized at other GMAs: the average concentration of detected constituents was compared to 50% of the GW-2 or GW-3 standards, depending on the well designation. If the average constituent concentration was below the 50% value, the well was not considered for inclusion in the interim monitoring program unless a potentially increasing trend of constituent concentrations is evident in the analytical data.

Well H78B-13R is classified as a GW-3 well and therefore the average concentration of each detected constituent for the four baseline sampling events was compared to 50% of the MCP Method 1 GW-3 standards. For constituents where non-detect quantities are present during one or more of the sampling events, one-half the detection limit was used for calculating the average. For well H78B-13R, this evaluation identified that all average constituent concentration values were below the 50% threshold. Moreover, the concentrations of constituents detected at this well during the baseline program show a general decreasing trend (as shown on

graphs provided in Appendix B for VOCs and PCBs). Therefore, GE does not propose to include this well in the interim groundwater quality program at GMA 4. However, due to the rejection of certain SVOC data from this well in fall 2004 and their prior detections in this well during one (for 2,4-dinitrophenol and 2,4-dimethylphenol) or two (for 3&4-methylphenol and phenol) baseline sampling rounds, GE proposes to collect one additional sample in spring 2005 for analysis for SVOCs to complete the baseline data set for this well.

Well GMA4-5 was installed downgradient of GMA 4 as a GW-2 sentinel well and has also been monitored on a quarterly basis under the Commercial Street Site ACO program. A total of five sampling events (December 2003, April 2004, July 2004, September 2004, and November 2004) have been conducted at this well. Since this well is a GW-2 well, the average concentration of each detected constituent for the five sampling events was compared to 50% of the MCP Method 1 GW-2 standards. For constituents where non-detect quantities are present during one or more of the sampling events, one-half the detection limit was used for calculating the average. For well GMA4-5, this evaluation indicated that all average constituent concentration values were below the 50% threshold. Moreover, the quarterly sampling program conducted at the Commercial Street Site show that constituents in this well either are present only in trace quantities or were not detected (as shown on graphs provided in Appendix B for VOCs and PCBs). In its January 14, 2005 report entitled *Commercial Street Site, Pittsfield, Massachusetts (GEACO230); Evaluation of Groundwater Conditions*, GE proposed that no further monitoring be conducted at well GMA4-5 under the Commercial Street ACO program. Likewise, GE proposes not to include this well in the interim groundwater quality program at GMA 4.

In a January 20, 2005 letter to EPA regarding proposed modifications to the NAPL monitoring program at GMA 3, located immediately east of GMA 4, GE proposed to monitor well GMA4-3 on a monthly basis to verify that LNAPL has not migrated from GMA 3 to the western side of Plastics Avenue. GE will include the results of any such monitoring in future GMA 4 groundwater monitoring reports (as well as in its GMA 3 NAPL monitoring reports).

GE does not propose any other modifications to the interim program at this time. A summary of the anticipated spring 2005 sampling event is provided in Table 9. As noted in that table, spring 2005 sampling will be limited to the wells that have yet to be sampled for four baseline events (i.e., sampling will continue to be attempted at well UB-MW-5), and those remaining in the OPCA monitoring program, plus a one-time supplemental sampling round for SVOCs at well H78B-13R to address results that were rejected in fall 2004. GE also will provide results on the PGC monitoring of well ASW-5 (conducted by PGC).

In addition, as previously approved by EPA, in order to map the groundwater surface, GE will continue its groundwater elevation monitoring for the monitoring wells listed in Table 3. GE will continue to collect groundwater elevation data and monitor for the presence of NAPL at these wells on a semi-annual basis (in the spring and fall) during the interim monitoring program.

6. Schedule of Future Activities

6.1 General

This section addresses 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 (i.e., discontinuation of sampling at monitoring wells H78B-13R (except for a one-time supplemental sample collection and analysis for SVOCs) and GMA4-5 and monthly NAPL monitoring at well GMA4-3) will be implemented. Specifically, this section provides a schedule for the upcoming spring 2005 interim monitoring event (OPCA-related wells) and associated reporting activities.

6.2 Field Activities Schedule

GE anticipates that the spring 2005 interim sampling event will take place in April 2005. Semi-annual sampling and analyses will continue to be performed at the 11 OPCA groundwater monitoring program wells. Analysis 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). In addition, the one well that still does not have four complete baseline monitoring data sets (UB-MW-5) will be attempted to be sampled for the GW-3 analytical parameter list (excluding pesticides and herbicides). In addition to this sampling, GE will also collect groundwater elevation data during the spring 2005 interim sampling event from the wells listed in Table 3. Well GMA4-3 will be monitored for NAPL on a monthly basis throughout spring 2005.

The next interim groundwater quality sampling event for non-OPCA wells (i.e., wells H78B-16 and H78B-17R) is scheduled for October 2005. Approximately two to three months prior to that sampling event, GE will conduct an inspection of those wells to ascertain whether either of the wells was damaged since the prior sampling event. If any of the wells is found to be unusable, GE will repair the well, install a replacement well, or propose an alternate course of action to EPA, as appropriate. Prior to performance of the semi-annual sampling activities, GE will provide EPA with 7 days advance notice to allow the assignment of field oversight personnel.

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.

GE will submit the Spring 2005 Interim Groundwater Quality Report for GMA 4 by August 31, 2005, in accordance with the reporting schedule approved by EPA. That report will present the final, validated spring 2005 interim sampling results, including a summary of data from other groundwater-related activities conducted at GMA 4 between January 2005 and June 2005, a discussion of those results, and any proposals to further modify the interim monitoring program.

Tables

TABLE 1
MONITORING PROGRAM SUMMARY

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
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)	
78-6	OPCA Groundwater Monitoring Program/GW-3 Perimeter (Upgradient)	Semi-Annual	PCB/App. IX (1,2)	
GMA4-5	GW-2 Sentinel	Quarterly (3)	VOC (3)	Additional analyses performed in conjunction with the groundwater investigation being conducted at the Commercial Street ACO Site.
H78B-13R	GW-3 Perimeter (Downgradient)	Semi-Annual (4)	PCB/App. IX (1,5)	Fourth of four baseline sampling rounds completed.
H78B-15	OPCA Groundwater Monitoring Program/GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
OPCA-MW-1	OPCA Groundwater Monitoring Program/GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Semi-Annual	PCB/App. IX (1,2)	
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 (1,5)	Approximately 0.4 feet of water in well. Due to the lack of groundwater being present in this well, a sample was not collected.

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. Well GMA4-5 was sampled for SVOCs, PCBs, and EPH as part of the Commercial Street ACO Site investigation in 2004. Data from that program has been incorporated into the GMA 4 interim water quality reports. Since the Commercial Street groundwater investigation is complete, GE evaluated the result from this well and has identified that this will should not be included in the GMA 4 interim monitoring program.
4. Wells included due to less than four rounds of baseline data (i.e., H78B-13R, and UB-MW-5) will be sampled on a semi-annual basis and may be proposed to be removed from the interim groundwater quality monitoring program after the fourth data set is collected or if despite additional attempts data cannot be obtained.
5. In accordance with the baseline monitoring program protocols, analyses for PCBs, metals, and cyanide performed on both filtered and unfiltered samples.

TABLE 2
MONITORING WELL CONSTRUCTION SUMMARY

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
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
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
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-4	535669.92	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
OPCA-MW-4	535570.22	136222.55	2.00	1,019.20	1,018.67	12.0	10.0	1,007.20	997.20

TABLE 2
MONITORING WELL CONSTRUCTION SUMMARY

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
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-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
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. Groundwater elevation measurements and/or groundwater samples were obtained from the monitoring wells listed in the above table.
2. in - inches
3. ft - feet
4. ft AMSL - Feet above mean sea level
5. ft BGS - Feet below ground surface
6. NA - Information not available.

TABLE 3
GROUNDWATER ELEVATION DATA - FALL 2004

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Date Measured	Groundwater Elevation [1]
60A	10/15/2004	987.26
60B-R	10/13/2004	987.86
78-1	10/13/2004	1,016.30
78-2	10/13/2004	1,025.03
78-3	10/13/2004	990.26
78-4	10/13/2004	985.99
78-5R	10/13/2004	992.11
78-6	10/13/2004	1,004.31
GMA4-1	10/13/2004	989.34
GMA4-2	10/13/2004	993.95
GMA4-3	10/13/2004	986.81
GMA4-4	10/13/2004	987.38
GMA4-5	10/13/2004	982.42
H78B-13R	10/13/2004	982.19
H78B-15	10/13/2004	996.76
H78B-16	10/13/2004	986.95
H78B-17	10/13/2004	986.04
H78B-17R	10/13/2004	986.88
NY-4	10/15/2004	1,015.92
OPCA-MW-1	10/13/2004	1,010.72
OPCA-MW-2	10/13/2004	1,002.38
OPCA-MW-3	10/13/2004	995.87
OPCA-MW-4	10/13/2004	1,006.59
OPCA-MW-5R	10/13/2004	1,005.59
OPCA-MW-6	10/13/2004	1,005.10
OPCA-MW-7	10/13/2004	1,010.96
OPCA-MW-8	10/13/2004	1,019.87
RF-14	10/15/2004	992.77
RF-15	10/15/2004	1,000.34
UB-MW-5	10/15/2004	991.30
UB-MW-6	10/13/2004	998.96

NOTES:
1. The elevation show is in feet above mean sea level.

TABLE 4
GROUNDWATER SAMPLING METHODS

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Type of Pump	Average 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	12.0	12	8-23	Near Till Interface
78-6	Peristaltic	8.4	13	3-18	Above Till Interface
GMA4-5	Bladder	11.2	>18	8-18	Mid-Column
H78B-13R	Peristaltic	11.3	22	5-20	<5 ft Below Water Table
H78B-15	Peristaltic	11.9	14	6-16	Near Till Interface
H78B-16 [2]	Peristaltic	9.1	14	4-14	Mid-Column
H78B-17R [2]	Bladder	12.4	14	14.3-23.6	Mid-Column
OPCA-MW-1	Peristaltic	7.0	14	20.1-30.1	Mid-Screen
OPCA-MW-2	Bladder	15.5	>23	13-23	Mid-Column
OPCA-MW-3	Bladder	20.7	>28	18-28	Mid-Column
OPCA-MW-4	Peristaltic	12.8	>22	12-22	<5 ft Below Water Table
OPCA-MW-5R	Peristaltic	12.9	17	11.25-21.25	Near Till Interface
OPCA-MW-6	Bladder	17.9	>25	15-25	Mid-Column
OPCA-MW-7	Peristaltic	17.9	18	14-24	Near Till Interface
OPCA-MW-8	Bladder	13.4	7	13.5-23.5	Mid-Column
UB-MW-5	Peristaltic	14.5	2	7-17	<5 ft Below Water Table [3]

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 next scheduled sampling will be fall 2005.
3. In previous groundwater monitoring events, this well has been dry at a depth of approximately 17 feet below ground surface. During this sampling event approximately 0.4 feet of groundwater was encountered in this well and was not purged or sampled due to the lack of groundwater being present.

TABLE 5
FIELD PARAMETER MEASUREMENTS - FALL 2004

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
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	9/30/2004	16.59	6.16	0.569	4	2.22	86.2
78-6	10/1/2004	17.37	6.85	1.773	20	1.13	-62.2
GMA4-5	7/13/2004	14.02	6.62	4.86	10	0.46	-55.0
GMA4-5	9/28/2004	16.46	6.06	4.66	4	0.20	-30.9
GMA4-5	11/30/2004	12.51	5.82	2.17	2	0.46	-288.7
H78B-13R	10/1/2004	15.09	7.16	1.593	3	0.22	-119.4
H78B-15	10/4/2004	16.03	7.95	0.423	0	4.28	97.6
OPCA-MW-1	10/1/2004	15.06	7.56	0.488	1	0.83	-32.0
OPCA-MW-2	10/5/2004	13.08	6.31	0.845	3	3.62	91.0
OPCA-MW-3	10/6/2004	17.42	6.78	0.727	4	2.79	-311.3
OPCA-MW-4	10/4/2004	15.15	6.50	2.295	3	1.07	123.4
OPCA-MW-5R	10/4/2004	16.10	6.36	1.278	1	0.29	48.2
OPCA-MW-6	10/4/2004	11.74	7.15	1.992	2	5.17	-230.8
OPCA-MW-7	10/4/2004	16.72	8.68	1.051	1	2.23	38.3
OPCA-MW-8	10/5/2004	15.13	6.91	2.121	6	5.67	102.6

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)

TABLE 6
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-2 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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	GMA4-5 07/13/04	GMA4-5 09/28/04	GMA4-5 11/30/04	H78B-15 10/04/04	OPCA-MW-1 10/01/04	OPCA-MW-4 10/04/04	OPCA-MW-5R 10/04/04
Volatile Organics								
Chlorobenzene	1	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0030 J
Toluene	6	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0034 J [0.0028 J]	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00057 J
Trichloroethene	0.3	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	0.0015 J	ND(0.0050)
Total VOCs	5	ND(0.20) [ND(0.20)]	ND(0.20)	0.0034 J [0.0028 J]	ND(0.20)	ND(0.20)	0.0015 J	0.0036 J
Semivolatile Organics								
None Detected	--	--	--	--	--	--	--	--
Extractable Petroleum Hydrocarbons								
None Detected	--	--	--	--	NA	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 excluding pesticides and herbicides.
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, semivolatile and EPH 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 volatile, semivolatile and EPH constituents detected in at least one sample are summarized.
8. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles,semivolatiles, EPH)

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

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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 09/30/04	78-6 10/01/04	GMA4-5 07/13/04	GMA4-5 09/28/04
Volatile Organics					
Chlorobenzene	0.5	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Toluene	50	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene	20	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Xylenes (total)	50	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Applicable	NA	NA	0.000020 J [0.000019 J]	ND(0.000065)
Aroclor-1260	Not Applicable	NA	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs	Not Applicable	NA	NA	0.000020 J [0.000019 J]	ND(0.000065)
PCBs-Filtered					
Aroclor-1254	Not Listed	0.000045 J	0.000022 J	0.000023 J [0.000059 J]	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs	0.0003	0.000045 J	0.000022 J	0.000023 J [0.000059 J]	ND(0.000065)
Semivolatile Organics					
None Detected	--	--	--	--	--
Extractable Petroleum Hydrocarbons					
None Detected	--	NA	NA	--	--
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000015)	ND(0.0000000013)	NA	NA
TCDFs (total)	Not Listed	ND(0.0000000062)	ND(0.0000000059)	NA	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000022)	ND(0.0000000018)	NA	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000022)	ND(0.0000000018)	NA	NA
PeCDFs (total)	Not Listed	ND(0.0000000094)	ND(0.0000000024)	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000022)	ND(0.0000000018)	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000020)	ND(0.0000000017)	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000026)	ND(0.0000000021)	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000022)	ND(0.0000000019)	NA	NA
HxCDFs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000021)	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000022)	ND(0.0000000016)	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000023)	ND(0.0000000020)	NA	NA
HpCDFs (total)	Not Listed	ND(0.0000000023)	ND(0.0000000020)	NA	NA
OCDF	Not Listed	ND(0.0000000032)	ND(0.0000000026)	NA	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000021)	ND(0.0000000016)	NA	NA
TCDDs (total)	Not Listed	ND(0.0000000021)	ND(0.0000000016)	NA	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000034)	ND(0.0000000028)	NA	NA
PeCDDs (total)	Not Listed	ND(0.0000000034)	ND(0.0000000028)	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000026)	ND(0.0000000025)	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000023)	ND(0.0000000022)	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000024)	ND(0.0000000023)	NA	NA
HxCDDs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000025)	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000026)	ND(0.0000000027)	NA	NA
HpCDDs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000027)	NA	NA
OCDD	Not Listed	ND(0.0000000068)	ND(0.0000000051)	NA	NA
Total TEQs (WHO TEFs)	0.0000001	0.0000000043	0.0000000035	NA	NA

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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 09/30/04	78-6 10/01/04	GMA4-5 07/13/04	GMA4-5 09/28/04
Inorganics-Unfiltered					
Antimony	Not Applicable	NA	NA	NA	NA
Arsenic	Not Applicable	NA	NA	NA	NA
Barium	Not Applicable	NA	NA	NA	NA
Chromium	Not Applicable	NA	NA	NA	NA
Copper	Not Applicable	NA	NA	NA	NA
Cyanide	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
Silver	Not Applicable	NA	NA	NA	NA
Zinc	Not Applicable	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	0.3	ND(0.0600)	ND(0.0600)	NA	NA
Arsenic	0.4	ND(0.0100)	0.00590 B	NA	NA
Barium	30	0.0230 B	0.0550 B	NA	NA
Chromium	2	ND(0.0100)	ND(0.0100)	NA	NA
Copper	Not Listed	ND(0.0250)	ND(0.0250)	NA	NA
Cyanide	0.01	ND(0.0100)	ND(0.0100)	NA	NA
Mercury	0.001	ND(0.000200)	ND(0.000200)	NA	NA
Nickel	0.08	ND(0.0400)	ND(0.0400)	NA	NA
Selenium	0.08	ND(0.00500)	ND(0.00500)	NA	NA
Silver	0.007	ND(0.00500)	0.00110 B	NA	NA
Zinc	0.9	0.00790 B	ND(0.0200)	NA	NA

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	GMA4-5 11/30/04	H78B-13R 10/01/04	H78B-15 10/04/04
Volatile Organics				
Chlorobenzene	0.5	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Toluene	50	0.0034 J [0.0028 J]	ND(0.0050)	ND(0.0050)
Trichloroethene	20	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Xylenes (total)	50	ND(0.010) [ND(0.010)]	0.0031 J	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254	Not Applicable	0.000025 J [0.000027 J]	ND(0.000065)	NA
Aroclor-1260	Not Applicable	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA
Total PCBs	Not Applicable	0.000025 J [0.000027 J]	ND(0.000065)	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000035 J
Aroclor-1260	Not Listed	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Total PCBs	0.0003	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000035 J
Semivolatile Organics				
None Detected	--	--	--	--
Extractable Petroleum Hydrocarbons				
None Detected	--	--	NA	NA
Furans				
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000012)	ND(0.0000000026)
TCDFs (total)	Not Listed	NA	ND(0.0000000017)	ND(0.0000000026)
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000018)	ND(0.0000000010)
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000018)	ND(0.0000000010)
PeCDFs (total)	Not Listed	NA	ND(0.0000000018)	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.0000000016)	ND(0.00000000085)
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000015)	ND(0.00000000071)
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.0000000018)	ND(0.00000000092)
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000016)	ND(0.00000000082)
HxCDFs (total)	Not Listed	NA	ND(0.0000000018)	ND(0.00000000092)
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000013)	ND(0.00000000054)
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000016)	ND(0.00000000064)
HpCDFs (total)	Not Listed	NA	ND(0.0000000016)	ND(0.00000000064)
OCDF	Not Listed	NA	ND(0.0000000026)	ND(0.0000000027)
Dioxins				
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000015)	ND(0.0000000011)
TCDDs (total)	Not Listed	NA	ND(0.0000000015)	ND(0.0000000011)
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000027)	ND(0.0000000025)
PeCDDs (total)	Not Listed	NA	ND(0.0000000027)	ND(0.0000000025)
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000021)	ND(0.0000000011)
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000019)	ND(0.00000000087)
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000019)	ND(0.00000000091)
HxCDDs (total)	Not Listed	NA	ND(0.0000000021)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.0000000023)	ND(0.0000000013)
HpCDDs (total)	Not Listed	NA	ND(0.0000000023)	ND(0.0000000013)
OCDD	Not Listed	NA	ND(0.0000000041)	ND(0.0000000028)
Total TEQs (WHO TEFs)	0.0000001	NA	0.0000000033	0.0000000025

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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

Parameter / Sample ID: / Date Collected:	Method 1 GW-3 Standards	GMA4-5 11/30/04	H78B-13R 10/01/04	H78B-15 10/04/04
Inorganics-Unfiltered				
Antimony	Not Applicable	NA	ND(0.0600)	NA
Arsenic	Not Applicable	NA	0.00520 B	NA
Barium	Not Applicable	NA	0.0870 B	NA
Chromium	Not Applicable	NA	ND(0.0100)	NA
Copper	Not Applicable	NA	0.00140 B	NA
Cyanide	Not Applicable	NA	0.00290 B	NA
Mercury	Not Applicable	NA	0.0000900 B	NA
Nickel	Not Applicable	NA	ND(0.0400)	NA
Selenium	Not Applicable	NA	ND(0.00500) J	NA
Silver	Not Applicable	NA	ND(0.00500)	NA
Zinc	Not Applicable	NA	0.0150 J	NA
Inorganics-Filtered				
Antimony	0.3	NA	ND(0.0600)	ND(0.0600)
Arsenic	0.4	NA	ND(0.0100)	ND(0.0100)
Barium	30	NA	0.0590 B	0.00800 B
Chromium	2	NA	ND(0.0100)	ND(0.0100)
Copper	Not Listed	NA	ND(0.0250)	ND(0.0250)
Cyanide	0.01	NA	0.00270 B	ND(0.0100)
Mercury	0.001	NA	ND(0.000200)	ND(0.000200)
Nickel	0.08	NA	ND(0.0400)	0.00210 B
Selenium	0.08	NA	ND(0.00500)	ND(0.00500)
Silver	0.007	NA	ND(0.00500)	ND(0.00500)
Zinc	0.9	NA	ND(0.0200)	0.00200 B

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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-1 10/01/04	OPCA-MW-2 10/05/04	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04
Volatile Organics					
Chlorobenzene	0.5	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	50	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	20	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0015 J
Xylenes (total)	50	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Applicable	NA	NA	NA	NA
Aroclor-1260	Not Applicable	NA	NA	NA	NA
Total PCBs	Not Applicable	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.000092	0.000020 J	ND(0.000065)	0.00017
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000058 J
Total PCBs	0.0003	0.000092	0.000020 J	ND(0.000065)	0.000228
Semivolatile Organics					
None Detected	--	--	--	--	--
Extractable Petroleum Hydrocarbons					
None Detected	--	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000031)	ND(0.0000000028)	ND(0.0000000030)	ND(0.0000000023)
TCDFs (total)	Not Listed	0.000000015	ND(0.0000000028)	ND(0.0000000030)	ND(0.0000000023)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000022)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000011)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000022)	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000010)
PeCDFs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000020)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000018)	ND(0.0000000041)	ND(0.0000000044)	ND(0.0000000014)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000017)	ND(0.0000000039)	ND(0.0000000042)	ND(0.00000000071)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000021)	ND(0.0000000049)	ND(0.0000000052)	ND(0.00000000091)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000018)	ND(0.0000000043)	ND(0.0000000046)	ND(0.00000000082)
HxCDFs (total)	Not Listed	ND(0.0000000021)	ND(0.0000000049)	ND(0.0000000052)	ND(0.0000000014)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000018)	ND(0.0000000028)	ND(0.0000000034)	ND(0.00000000074)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000021)	ND(0.0000000034)	ND(0.0000000041)	ND(0.00000000069)
HpCDFs (total)	Not Listed	ND(0.0000000021)	ND(0.0000000034)	ND(0.0000000041)	ND(0.00000000086)
OCDF	Not Listed	ND(0.0000000026)	ND(0.0000000077)	ND(0.0000000081)	ND(0.0000000032)
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000016)	ND(0.0000000033)	ND(0.0000000036)	ND(0.00000000098)
TCDDs (total)	Not Listed	ND(0.0000000016)	ND(0.0000000033)	ND(0.0000000036)	ND(0.0000000012)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000027)	ND(0.0000000072)	ND(0.0000000071)	ND(0.0000000020)
PeCDDs (total)	Not Listed	ND(0.0000000027)	ND(0.0000000072)	ND(0.0000000071)	ND(0.0000000020)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000026)	ND(0.0000000049)	ND(0.0000000056)	ND(0.0000000011)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000024)	ND(0.0000000044)	ND(0.0000000050)	ND(0.00000000086)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000024)	ND(0.0000000045)	ND(0.0000000051)	ND(0.00000000089)
HxCDDs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000049)	ND(0.0000000056)	ND(0.0000000018)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000023)	ND(0.0000000048)	ND(0.0000000060)	ND(0.0000000013)
HpCDDs (total)	Not Listed	ND(0.0000000023)	ND(0.0000000048)	ND(0.0000000060)	ND(0.0000000013)
OCDD	Not Listed	ND(0.0000000044)	ND(0.0000000056)	ND(0.0000000062)	ND(0.0000000059)
Total TEQs (WHO TEFs)	0.0000001	0.0000000037	0.0000000083	0.0000000087	0.0000000022

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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-1 10/01/04	OPCA-MW-2 10/05/04	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04
Inorganics-Unfiltered					
Antimony	Not Applicable	NA	NA	NA	NA
Arsenic	Not Applicable	NA	NA	NA	NA
Barium	Not Applicable	NA	NA	NA	NA
Chromium	Not Applicable	NA	NA	NA	NA
Copper	Not Applicable	NA	NA	NA	NA
Cyanide	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
Silver	Not Applicable	NA	NA	NA	NA
Zinc	Not Applicable	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	0.3	ND(0.0600)	ND(0.0600)	0.00950 B	ND(0.0600)
Arsenic	0.4	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	30	0.0170 B	0.0180 B	0.0600 B	0.0590 B
Chromium	2	ND(0.0100)	ND(0.0100)	0.00110 B	ND(0.0100)
Copper	Not Listed	ND(0.0250)	ND(0.0250)	0.00390 B	ND(0.0250)
Cyanide	0.01	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	0.001	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.08	ND(0.0400)	0.00200 B	0.00410 B	ND(0.0400)
Selenium	0.08	ND(0.00500)	0.00880	0.00770	ND(0.00500)
Silver	0.007	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Zinc	0.9	0.00180 B	0.00780 B	0.00290 B	0.180

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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-5R 10/04/04	OPCA-MW-6 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Volatile Organics					
Chlorobenzene	0.5	0.0030 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	50	0.00057 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	20	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Xylenes (total)	50	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Applicable	NA	NA	NA	NA
Aroclor-1260	Not Applicable	NA	NA	NA	NA
Total PCBs	Not Applicable	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.000041 J	ND(0.000065)	ND(0.000065)	0.000041 J
Aroclor-1260	Not Listed	0.000043 J	ND(0.000065)	ND(0.000065)	0.000025 J
Total PCBs	0.0003	0.000084 J	ND(0.000065)	ND(0.000065)	0.000066 J
Semivolatile Organics					
None Detected	--	--	--	--	--
Extractable Petroleum Hydrocarbons					
None Detected	--	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000023)	ND(0.0000000030)	ND(0.0000000027)	ND(0.0000000024)
TCDFs (total)	Not Listed	ND(0.0000000023)	ND(0.0000000030)	ND(0.0000000027)	ND(0.0000000024)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000013)	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000013)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000011)	ND(0.0000000013)
PeCDFs (total)	Not Listed	ND(0.0000000016)	ND(0.0000000020)	ND(0.0000000020)	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.00000000085)	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000019)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.00000000069)	ND(0.00000000068)	ND(0.00000000051)	ND(0.00000000073)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.00000000088)	ND(0.00000000088)	ND(0.00000000066)	ND(0.00000000094)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.00000000079)	ND(0.00000000078)	ND(0.00000000059)	ND(0.00000000084)
HxCDFs (total)	Not Listed	ND(0.00000000088)	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000019)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.00000000049)	ND(0.00000000052)	ND(0.00000000057)	ND(0.0000000021)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.00000000058)	ND(0.00000000062)	ND(0.00000000061)	ND(0.00000000075)
HpCDFs (total)	Not Listed	ND(0.00000000070)	ND(0.00000000062)	ND(0.00000000061)	ND(0.0000000021)
OCDF	Not Listed	ND(0.0000000024)	ND(0.0000000030)	ND(0.0000000029)	ND(0.0000000024)
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.00000000097)	ND(0.0000000012)	ND(0.00000000097)	ND(0.00000000087)
TCDDs (total)	Not Listed	ND(0.00000000097)	ND(0.0000000012)	ND(0.00000000097)	ND(0.00000000087)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000026)	ND(0.0000000023)	ND(0.0000000018)	ND(0.0000000022)
PeCDDs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000023)	ND(0.0000000018)	ND(0.0000000022)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.00000000090)	ND(0.00000000099)	ND(0.0000000014)	ND(0.00000000095)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.00000000094)	ND(0.0000000010)	ND(0.0000000015)	ND(0.00000000099)
HxCDDs (total)	Not Listed	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000010)	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000011)
HpCDDs (total)	Not Listed	ND(0.0000000010)	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000011)
OCDD	Not Listed	ND(0.0000000076)	ND(0.0000000018)	ND(0.0000000027)	ND(0.0000000068)
Total TEQs (WHO TEFs)	0.0000001	0.0000000026	0.0000000026	0.0000000022	0.0000000024

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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-5R 10/04/04	OPCA-MW-6 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Inorganics-Unfiltered					
Antimony	Not Applicable	NA	NA	NA	NA
Arsenic	Not Applicable	NA	NA	NA	NA
Barium	Not Applicable	NA	NA	NA	NA
Chromium	Not Applicable	NA	NA	NA	NA
Copper	Not Applicable	NA	NA	NA	NA
Cyanide	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
Silver	Not Applicable	NA	NA	NA	NA
Zinc	Not Applicable	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	0.3	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	0.4	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	30	0.0880 B	0.0320 B	0.0140 B	0.0340 B
Chromium	2	ND(0.0100)	ND(0.0100)	0.00110 B	0.00300 B
Copper	Not Listed	0.00140 B	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	0.01	ND(0.0100)	0.00220 B	ND(0.0100)	ND(0.0100)
Mercury	0.001	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.08	0.00180 B	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	0.08	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)
Zinc	0.9	0.00180 B	0.00220 B	0.00320 B	0.0130 B

TABLE 7
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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, Appendix IX+3 constituents and EPH.
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. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.
8. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

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

J - Indicates an estimated value less than the practical quantitation limit (PQL).
R - Data was rejected due to a deficiency in the data generation process.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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 09/30/04	78-6 10/01/04	GMA4-5 07/13/04	GMA4-5 09/28/04
Volatile Organics					
Chlorobenzene	10	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Toluene	100	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Xylenes (total)	100	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
PCBs-Unfiltered					
Aroclor-1254	Not Listed	NA	NA	0.000020 J [0.000019 J]	ND(0.000065)
Aroclor-1260	Not Listed	NA	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs	0.005	NA	NA	0.000020 J [0.000019 J]	ND(0.000065)
PCBs-Filtered					
Aroclor-1254	Not Listed	0.000045 J	0.000022 J	0.000023 J [0.000059 J]	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs	0.005	0.000045 J	0.000022 J	0.000023 J [0.000059 J]	ND(0.000065)
Semivolatile Organics					
None Detected	--	--	--	--	--
Extractable Petroleum Hydrocarbons					
None Detected	--	NA	NA	--	--
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000015)	ND(0.0000000013)	NA	NA
TCDFs (total)	Not Listed	ND(0.0000000062)	ND(0.0000000059)	NA	NA
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000022)	ND(0.0000000018)	NA	NA
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000022)	ND(0.0000000018)	NA	NA
PeCDFs (total)	Not Listed	ND(0.0000000094)	ND(0.0000000024)	NA	NA
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000022)	ND(0.0000000018)	NA	NA
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000020)	ND(0.0000000017)	NA	NA
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000026)	ND(0.0000000021)	NA	NA
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000022)	ND(0.0000000019)	NA	NA
HxCDFs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000021)	NA	NA
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000022)	ND(0.0000000016)	NA	NA
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000023)	ND(0.0000000020)	NA	NA
HpCDFs (total)	Not Listed	ND(0.0000000023)	ND(0.0000000020)	NA	NA
OCDF	Not Listed	ND(0.0000000032)	ND(0.0000000026)	NA	NA
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000021)	ND(0.0000000016)	NA	NA
TCDDs (total)	Not Listed	ND(0.0000000021)	ND(0.0000000016)	NA	NA
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000034)	ND(0.0000000028)	NA	NA
PeCDDs (total)	Not Listed	ND(0.0000000034)	ND(0.0000000028)	NA	NA
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000026)	ND(0.0000000025)	NA	NA
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000023)	ND(0.0000000022)	NA	NA
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000024)	ND(0.0000000023)	NA	NA
HxCDDs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000025)	NA	NA
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000026)	ND(0.0000000027)	NA	NA
HpCDDs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000027)	NA	NA
OCDD	Not Listed	ND(0.0000000068)	ND(0.0000000051)	NA	NA
Total TEQs (WHO TEFs)	0.000001	0.0000000043	0.0000000035	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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 09/30/04	78-6 10/01/04	GMA4-5 07/13/04	GMA4-5 09/28/04
Inorganics-Unfiltered					
Antimony	3	NA	NA	NA	NA
Arsenic	4	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA
Chromium	20	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Cyanide	2	NA	NA	NA	NA
Mercury	0.02	NA	NA	NA	NA
Nickel	1	NA	NA	NA	NA
Selenium	0.8	NA	NA	NA	NA
Silver	0.4	NA	NA	NA	NA
Zinc	20	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	3	ND(0.0600)	ND(0.0600)	NA	NA
Arsenic	4	ND(0.0100)	0.00590 B	NA	NA
Barium	100	0.0230 B	0.0550 B	NA	NA
Chromium	20	ND(0.0100)	ND(0.0100)	NA	NA
Copper	Not Listed	ND(0.0250)	ND(0.0250)	NA	NA
Cyanide	2	ND(0.0100)	ND(0.0100)	NA	NA
Mercury	0.02	ND(0.000200)	ND(0.000200)	NA	NA
Nickel	1	ND(0.0400)	ND(0.0400)	NA	NA
Selenium	0.8	ND(0.00500)	ND(0.00500)	NA	NA
Silver	0.4	ND(0.00500)	0.00110 B	NA	NA
Zinc	20	0.00790 B	ND(0.0200)	NA	NA

TABLE 8
COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLS FOR GROUNDWATER
GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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	GMA4-5 11/30/04	H78B-13R 10/01/04	H78B-15 10/04/04
Volatile Organics				
Chlorobenzene	10	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Toluene	100	0.0034 J [0.0028 J]	ND(0.0050)	ND(0.0050)
Trichloroethene	100	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)
Xylenes (total)	100	ND(0.010) [ND(0.010)]	0.0031 J	ND(0.010)
PCBs-Unfiltered				
Aroclor-1254	Not Listed	0.000025 J [0.000027 J]	ND(0.000065)	NA
Aroclor-1260	Not Listed	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA
Total PCBs	0.005	0.000025 J [0.000027 J]	ND(0.000065)	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000035 J
Aroclor-1260	Not Listed	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Total PCBs	0.005	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000035 J
Semivolatile Organics				
None Detected	--	--	--	--
Extractable Petroleum Hydrocarbons				
None Detected	--	--	NA	NA
Furans				
2,3,7,8-TCDF	Not Listed	NA	ND(0.0000000012)	ND(0.0000000026)
TCDFs (total)	Not Listed	NA	ND(0.0000000017)	ND(0.0000000026)
1,2,3,7,8-PeCDF	Not Listed	NA	ND(0.0000000018)	ND(0.0000000010)
2,3,4,7,8-PeCDF	Not Listed	NA	ND(0.0000000018)	ND(0.0000000010)
PeCDFs (total)	Not Listed	NA	ND(0.0000000018)	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	Not Listed	NA	ND(0.0000000016)	ND(0.00000000085)
1,2,3,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000015)	ND(0.00000000071)
1,2,3,7,8,9-HxCDF	Not Listed	NA	ND(0.0000000018)	ND(0.00000000092)
2,3,4,6,7,8-HxCDF	Not Listed	NA	ND(0.0000000016)	ND(0.00000000082)
HxCDFs (total)	Not Listed	NA	ND(0.0000000018)	ND(0.00000000092)
1,2,3,4,6,7,8-HpCDF	Not Listed	NA	ND(0.0000000013)	ND(0.00000000054)
1,2,3,4,7,8,9-HpCDF	Not Listed	NA	ND(0.0000000016)	ND(0.00000000064)
HpCDFs (total)	Not Listed	NA	ND(0.0000000016)	ND(0.00000000064)
OCDF	Not Listed	NA	ND(0.0000000026)	ND(0.0000000027)
Dioxins				
2,3,7,8-TCDD	Not Listed	NA	ND(0.0000000015)	ND(0.0000000011)
TCDDs (total)	Not Listed	NA	ND(0.0000000015)	ND(0.0000000011)
1,2,3,7,8-PeCDD	Not Listed	NA	ND(0.0000000027)	ND(0.0000000025)
PeCDDs (total)	Not Listed	NA	ND(0.0000000027)	ND(0.0000000025)
1,2,3,4,7,8-HxCDD	Not Listed	NA	ND(0.0000000021)	ND(0.0000000011)
1,2,3,6,7,8-HxCDD	Not Listed	NA	ND(0.0000000019)	ND(0.00000000087)
1,2,3,7,8,9-HxCDD	Not Listed	NA	ND(0.0000000019)	ND(0.00000000091)
HxCDDs (total)	Not Listed	NA	ND(0.0000000021)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	Not Listed	NA	ND(0.0000000023)	ND(0.0000000013)
HpCDDs (total)	Not Listed	NA	ND(0.0000000023)	ND(0.0000000013)
OCDD	Not Listed	NA	ND(0.0000000041)	ND(0.0000000028)
Total TEQs (WHO TEFs)	0.000001	NA	0.0000000033	0.0000000025

TABLE 8
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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	GMA4-5 11/30/04	H78B-13R 10/01/04	H78B-15 10/04/04
Inorganics-Unfiltered				
Antimony	3	NA	ND(0.0600)	NA
Arsenic	4	NA	0.00520 B	NA
Barium	100	NA	0.0870 B	NA
Chromium	20	NA	ND(0.0100)	NA
Copper	Not Listed	NA	0.00140 B	NA
Cyanide	2	NA	0.00290 B	NA
Mercury	0.02	NA	0.0000900 B	NA
Nickel	1	NA	ND(0.0400)	NA
Selenium	0.8	NA	ND(0.00500) J	NA
Silver	0.4	NA	ND(0.00500)	NA
Zinc	20	NA	0.0150 J	NA
Inorganics-Filtered				
Antimony	3	NA	ND(0.0600)	ND(0.0600)
Arsenic	4	NA	ND(0.0100)	ND(0.0100)
Barium	100	NA	0.0590 B	0.00800 B
Chromium	20	NA	ND(0.0100)	ND(0.0100)
Copper	Not Listed	NA	ND(0.0250)	ND(0.0250)
Cyanide	2	NA	0.00270 B	ND(0.0100)
Mercury	0.02	NA	ND(0.000200)	ND(0.000200)
Nickel	1	NA	ND(0.0400)	0.00210 B
Selenium	0.8	NA	ND(0.00500)	ND(0.00500)
Silver	0.4	NA	ND(0.00500)	ND(0.00500)
Zinc	20	NA	ND(0.0200)	0.00200 B

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

Parameter / Sample ID: / Date Collected:	UCL-GW Standards	OPCA-MW-1 10/01/04	OPCA-MW-2 10/05/04	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04
Volatile Organics					
Chlorobenzene	10	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0015 J
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
Aroclor-1260	Not Listed	NA	NA	NA	NA
Total PCBs	0.005	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.000092	0.000020 J	ND(0.000065)	0.00017
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000058 J
Total PCBs	0.005	0.000092	0.000020 J	ND(0.000065)	0.000228
Semivolatile Organics					
None Detected	--	--	--	--	--
Extractable Petroleum Hydrocarbons					
None Detected	--	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000031)	ND(0.0000000028)	ND(0.0000000030)	ND(0.0000000023)
TCDFs (total)	Not Listed	0.000000015	ND(0.0000000028)	ND(0.0000000030)	ND(0.0000000023)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000022)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000011)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000022)	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000010)
PeCDFs (total)	Not Listed	ND(0.0000000054)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000020)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.0000000018)	ND(0.0000000041)	ND(0.0000000044)	ND(0.0000000014)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.0000000017)	ND(0.0000000039)	ND(0.0000000042)	ND(0.00000000071)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.0000000021)	ND(0.0000000049)	ND(0.0000000052)	ND(0.00000000091)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.0000000018)	ND(0.0000000043)	ND(0.0000000046)	ND(0.00000000082)
HxCDFs (total)	Not Listed	ND(0.0000000021)	ND(0.0000000049)	ND(0.0000000052)	ND(0.0000000014)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.0000000018)	ND(0.0000000028)	ND(0.0000000034)	ND(0.00000000074)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.0000000021)	ND(0.0000000034)	ND(0.0000000041)	ND(0.00000000069)
HpCDFs (total)	Not Listed	ND(0.0000000021)	ND(0.0000000034)	ND(0.0000000041)	ND(0.00000000086)
OCDF	Not Listed	ND(0.0000000026)	ND(0.0000000077)	ND(0.0000000081)	ND(0.0000000032)
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.0000000016)	ND(0.0000000033)	ND(0.0000000036)	ND(0.00000000098)
TCDDs (total)	Not Listed	ND(0.0000000016)	ND(0.0000000033)	ND(0.0000000036)	ND(0.0000000012)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000027)	ND(0.0000000072)	ND(0.0000000071)	ND(0.0000000020)
PeCDDs (total)	Not Listed	ND(0.0000000027)	ND(0.0000000072)	ND(0.0000000071)	ND(0.0000000020)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000026)	ND(0.0000000049)	ND(0.0000000056)	ND(0.0000000011)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.0000000024)	ND(0.0000000044)	ND(0.0000000050)	ND(0.00000000086)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.0000000024)	ND(0.0000000045)	ND(0.0000000051)	ND(0.00000000089)
HxCDDs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000049)	ND(0.0000000056)	ND(0.0000000018)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000023)	ND(0.0000000048)	ND(0.0000000060)	ND(0.0000000013)
HpCDDs (total)	Not Listed	ND(0.0000000023)	ND(0.0000000048)	ND(0.0000000060)	ND(0.0000000013)
OCDD	Not Listed	ND(0.0000000044)	ND(0.0000000056)	ND(0.0000000062)	ND(0.0000000059)
Total TEQs (WHO TEFs)	0.000001	0.0000000037	0.0000000083	0.0000000087	0.0000000022

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GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004

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-1 10/01/04	OPCA-MW-2 10/05/04	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04
Inorganics-Unfiltered					
Antimony	3	NA	NA	NA	NA
Arsenic	4	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA
Chromium	20	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Cyanide	2	NA	NA	NA	NA
Mercury	0.02	NA	NA	NA	NA
Nickel	1	NA	NA	NA	NA
Selenium	0.8	NA	NA	NA	NA
Silver	0.4	NA	NA	NA	NA
Zinc	20	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	3	ND(0.0600)	ND(0.0600)	0.00950 B	ND(0.0600)
Arsenic	4	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	100	0.0170 B	0.0180 B	0.0600 B	0.0590 B
Chromium	20	ND(0.0100)	ND(0.0100)	0.00110 B	ND(0.0100)
Copper	Not Listed	ND(0.0250)	ND(0.0250)	0.00390 B	ND(0.0250)
Cyanide	2	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Mercury	0.02	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	1	ND(0.0400)	0.00200 B	0.00410 B	ND(0.0400)
Selenium	0.8	ND(0.00500)	0.00880	0.00770	ND(0.00500)
Silver	0.4	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Zinc	20	0.00180 B	0.00780 B	0.00290 B	0.180

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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-5R 10/04/04	OPCA-MW-6 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Volatile Organics					
Chlorobenzene	10	0.0030 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	100	0.00057 J	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	100	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
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
Aroclor-1260	Not Listed	NA	NA	NA	NA
Total PCBs	0.005	NA	NA	NA	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	0.000041 J	ND(0.000065)	ND(0.000065)	0.000041 J
Aroclor-1260	Not Listed	0.000043 J	ND(0.000065)	ND(0.000065)	0.000025 J
Total PCBs	0.005	0.000084 J	ND(0.000065)	ND(0.000065)	0.000066 J
Semivolatile Organics					
None Detected	--	--	--	--	--
Extractable Petroleum Hydrocarbons					
None Detected	--	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	Not Listed	ND(0.0000000023)	ND(0.0000000030)	ND(0.0000000027)	ND(0.0000000024)
TCDFs (total)	Not Listed	ND(0.0000000023)	ND(0.0000000030)	ND(0.0000000027)	ND(0.0000000024)
1,2,3,7,8-PeCDF	Not Listed	ND(0.0000000013)	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000013)
2,3,4,7,8-PeCDF	Not Listed	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000011)	ND(0.0000000013)
PeCDFs (total)	Not Listed	ND(0.0000000016)	ND(0.0000000020)	ND(0.0000000020)	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	Not Listed	ND(0.00000000085)	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000019)
1,2,3,6,7,8-HxCDF	Not Listed	ND(0.00000000069)	ND(0.00000000068)	ND(0.00000000051)	ND(0.00000000073)
1,2,3,7,8,9-HxCDF	Not Listed	ND(0.00000000088)	ND(0.00000000088)	ND(0.00000000066)	ND(0.00000000094)
2,3,4,6,7,8-HxCDF	Not Listed	ND(0.00000000079)	ND(0.00000000078)	ND(0.00000000059)	ND(0.00000000084)
HxCDFs (total)	Not Listed	ND(0.00000000088)	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000019)
1,2,3,4,6,7,8-HpCDF	Not Listed	ND(0.00000000049)	ND(0.00000000052)	ND(0.00000000057)	ND(0.0000000021)
1,2,3,4,7,8,9-HpCDF	Not Listed	ND(0.00000000058)	ND(0.00000000062)	ND(0.00000000061)	ND(0.00000000075)
HpCDFs (total)	Not Listed	ND(0.00000000070)	ND(0.00000000062)	ND(0.00000000061)	ND(0.0000000021)
OCDF	Not Listed	ND(0.0000000024)	ND(0.0000000030)	ND(0.0000000029)	ND(0.0000000024)
Dioxins					
2,3,7,8-TCDD	Not Listed	ND(0.00000000097)	ND(0.0000000012)	ND(0.00000000097)	ND(0.00000000087)
TCDDs (total)	Not Listed	ND(0.00000000097)	ND(0.0000000012)	ND(0.00000000097)	ND(0.00000000087)
1,2,3,7,8-PeCDD	Not Listed	ND(0.0000000026)	ND(0.0000000023)	ND(0.0000000018)	ND(0.0000000022)
PeCDDs (total)	Not Listed	ND(0.0000000026)	ND(0.0000000023)	ND(0.0000000018)	ND(0.0000000022)
1,2,3,4,7,8-HxCDD	Not Listed	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	Not Listed	ND(0.00000000090)	ND(0.00000000099)	ND(0.0000000014)	ND(0.00000000095)
1,2,3,7,8,9-HxCDD	Not Listed	ND(0.00000000094)	ND(0.0000000010)	ND(0.0000000015)	ND(0.00000000099)
HxCDDs (total)	Not Listed	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	Not Listed	ND(0.0000000010)	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000011)
HpCDDs (total)	Not Listed	ND(0.0000000010)	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000011)
OCDD	Not Listed	ND(0.0000000076)	ND(0.0000000018)	ND(0.0000000027)	ND(0.0000000068)
Total TEQs (WHO TEFs)	0.000001	0.0000000026	0.0000000026	0.0000000022	0.0000000024

TABLE 8
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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-5R 10/04/04	OPCA-MW-6 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Inorganics-Unfiltered					
Antimony	3	NA	NA	NA	NA
Arsenic	4	NA	NA	NA	NA
Barium	100	NA	NA	NA	NA
Chromium	20	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Cyanide	2	NA	NA	NA	NA
Mercury	0.02	NA	NA	NA	NA
Nickel	1	NA	NA	NA	NA
Selenium	0.8	NA	NA	NA	NA
Silver	0.4	NA	NA	NA	NA
Zinc	20	NA	NA	NA	NA
Inorganics-Filtered					
Antimony	3	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	4	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	100	0.0880 B	0.0320 B	0.0140 B	0.0340 B
Chromium	20	ND(0.0100)	ND(0.0100)	0.00110 B	0.00300 B
Copper	Not Listed	0.00140 B	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	2	ND(0.0100)	0.00220 B	ND(0.0100)	ND(0.0100)
Mercury	0.02	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	1	0.00180 B	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	0.8	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	0.4	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Zinc	20	0.00180 B	0.00220 B	0.00320 B	0.0130 B

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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, Appendix IX+3 constituents and EPH.
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. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.
8. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

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

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).

TABLE 9
SPRING 2005 INTERIM GROUNDWATER QUALITY MONITORING ACTIVITIES

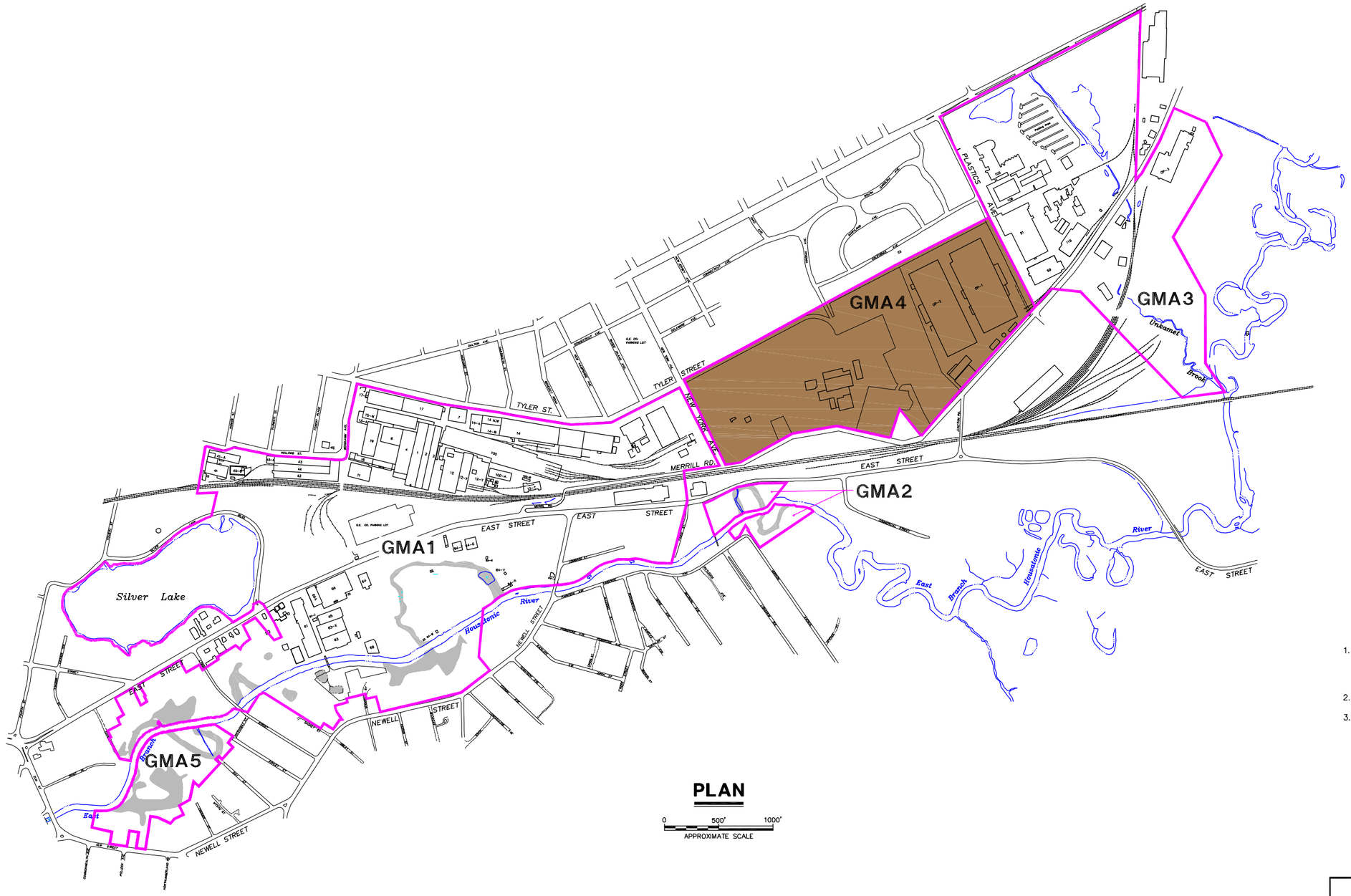
GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Well Usage	Sampling Schedule	Analyses	Basis for Inclusion/Comments
78-1	GW-3 Perimeter (Upgradient)/ OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
78-6	GW-3 Perimeter/OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
H78B-13R	GW-3 Perimeter (Downgradient)	Spring 2005	SVOC	Supplemental sampling for SVOCs proposed due to rejection of certain SVOC results in Fall 2004.
H78B-15	GW-2 Sentinel/GW-3 General/Source Area Sentinel/ OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
H78B-16	Supplemental Well for TCE Evaluation	Annual - Fall 2005	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 2005.
H78B-17R	GW-3 Perimeter (Downgradient)	Annual - Fall 2005	VOC	
OPCA-MW-1	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-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)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-5R	GW-2 Sentinel/GW-3 General/Source Area Sentinel/ OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-6	GW-3 General/Source Area Sentinel/ OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-7	GW-3 General/Source Area Sentinel/ OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
OPCA-MW-8	GW-3 General/Source Area Sentinel/ OPCA Groundwater Monitoring Program	Semi-Annual	PCB/App. IX (1,2)	Well is included in OPCA groundwater quality monitoring program network.
UB-MW-5	GW-2 Sentinel/GW-3 Perimeter (Upgradient)	Semi-Annual (4)	PCB/App. IX (1,3)	Three additional baseline sample sets are required due to lack of water during prior baseline sampling events.

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. Per the baseline monitoring program protocols, analyses for PCBs, metals, and cyanide performed on both filtered and unfiltered samples.
4. Wells included due to less than four rounds of baseline data (i.e., UB-MW-5) will be sampled on a semi-annual basis and may be proposed to be removed from the interim groundwater quality monitoring program after the fourth data set is collected or if, despite additional attempts, the data cannot be obtained.

Figures



PLAN

0 500' 1000'
APPROXIMATE SCALE

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.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 4 INTERIM MONITORING PROGRAM

GROUNDWATER MANAGEMENT AREAS

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

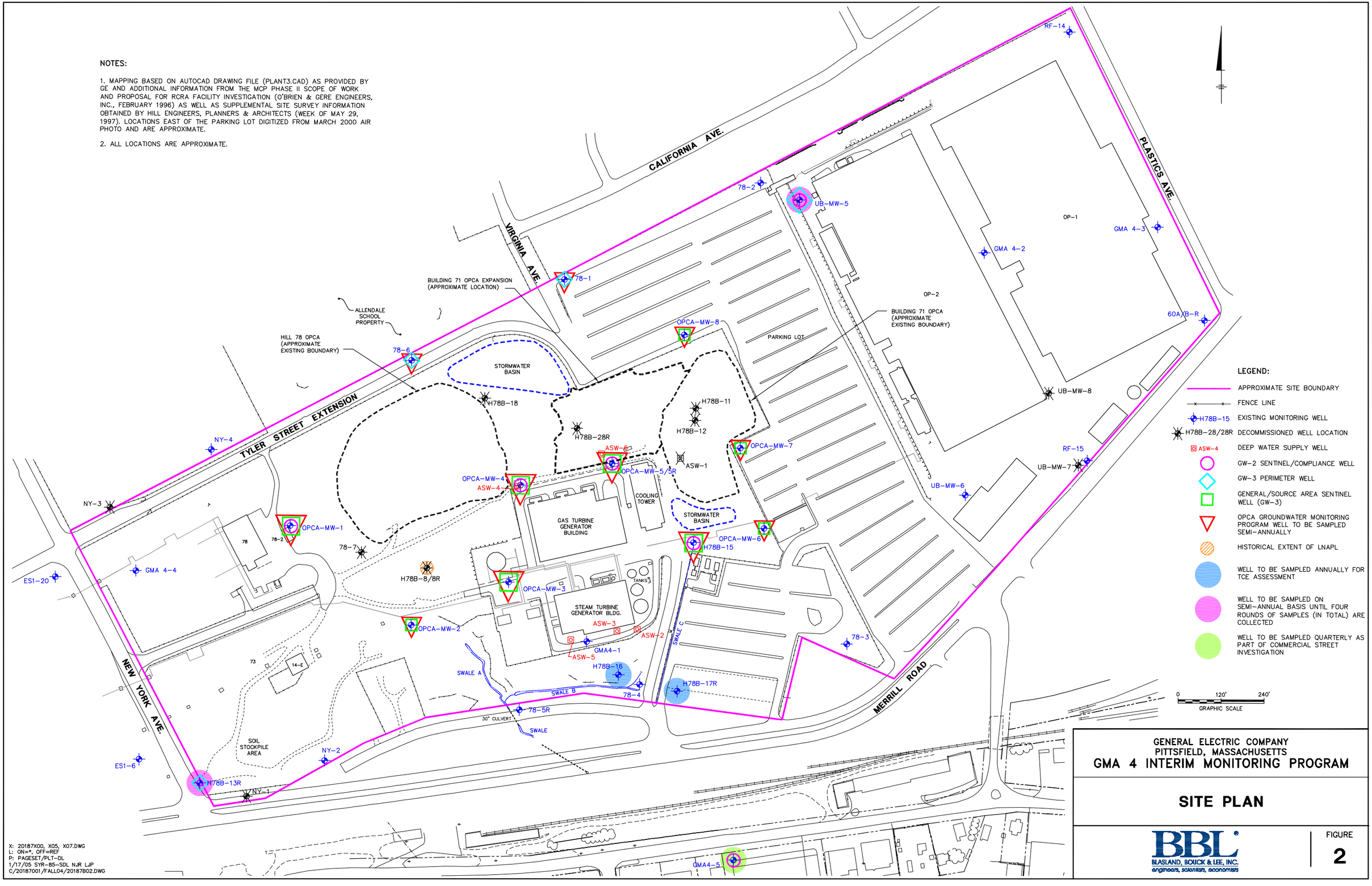
FIGURE 1

X: 20187X00,
L: ON=*, OFF=REF
P: PAGESET/PLT-DL
1/17/05SYR-85-LJP NJR LJP
C/20187001/FALL04/20187B01.DWG

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.



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 TO BE SAMPLED ON SEMI-ANNUAL BASIS UNTIL FOUR ROUNDS OF SAMPLES (IN TOTAL) ARE COLLECTED
- WELL TO BE SAMPLED QUARTERLY AS PART OF COMMERCIAL STREET INVESTIGATION

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

GMA 4 INTERIM MONITORING PROGRAM

SITE PLAN

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FIGURE 2

X: 20187X00, X05, X07.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-DL
1/17/05 SYR-85-SDL NJR LJP
C/20187001/FALL04/20187B02.DWG

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.

CALIFORNIA AVE.
VIRGINIA 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
30" CULVERT
OP-1
OP-2
RF-14 992.77
1025.03 78-2
UB-MW-5 991.30
GMA 4-3 986.81
GMA 4-2 993.95
78-1 1016.30
OPCA-MW-8 1019.87
78-6 1004.31
987.26 987.86 60A/B-R
UB-MW-8
H78B-18
H78B-11
H78B-12
H78B-28R
ASW-6
ASW-1
OPCA-MW-7 1010.96
RF-15 1000.34
UB-MW-7
OPCA-MW-4 1006.59
ASW-4
OPCA-MW-5/5R 1005.59
UB-MW-6 998.96
1010.72 OPCA-MW-1
78-7
1005.10 OPCA-MW-6
996.76 H78B-15
H78B-8/8R
995.87 OPCA-MW-3
ES1-20 987.56
GMA 4-4 987.38
OPCA-MW-2 1002.38
ASW-3
ASW-2
989.34 GMA4-1
ASW-5
78-3 990.26
H78B-16 986.95
985.99 78-4
H78B-17R 986.88
78-5R 992.11
NY-4 1015.92
NY-3
NY-2
ES1-6
H78B-13R 982.19
NY-1
982.42 GMA4-5

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
- 990.26 GROUNDWATER ELEVATION IN FEET

0 120' 240'
GRAPHIC SCALE

X: 20187X00, X05, X07.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-DL2B1
2/23/05 SYR-BS-PGL LJP PGL RCB
C/20187001/FALL04/20187W01.DWG

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 4 INTERIM MONITORING PROGRAM

WATER TABLE CONTOUR MAP - FALL 2004

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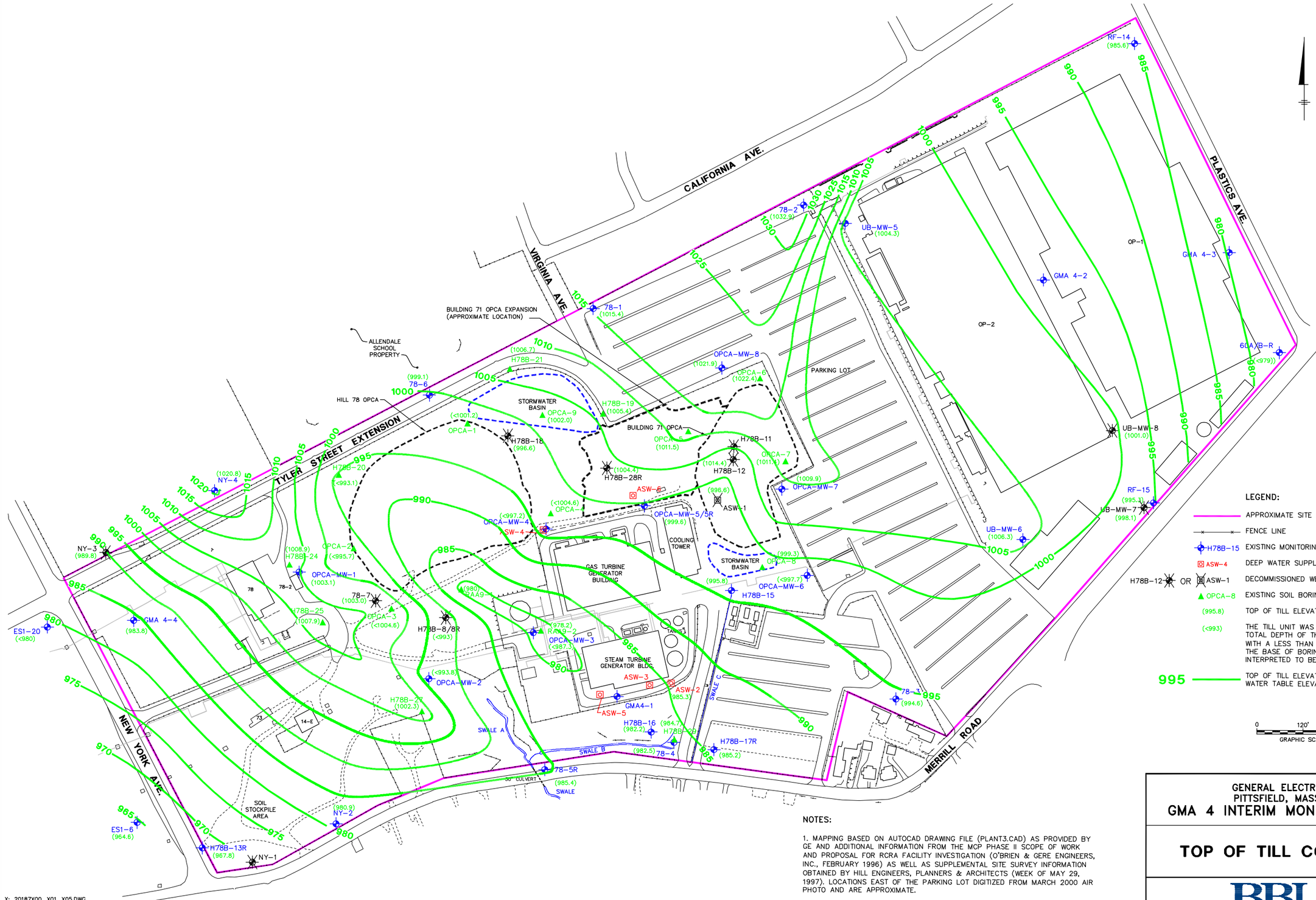
FIGURE 3



LEGEND:

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

0 120' 240'
GRAPHIC SCALE

NOTES:

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

2. ALL LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
GMA 4 INTERIM MONITORING PROGRAM

TOP OF TILL CONTOUR MAP

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FIGURE 4

X: 20187X00, X01, X05.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-DL
1/17/05 SYR-85-PGL NJR LJP
C/20187001/FALL04/20187W02.DWG

Appendices

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Appendix A

Groundwater Analytical Results – Fall 2004

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engineers, scientists, economists

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 09/30/04	78-6 10/01/04	GMA4-5 07/13/04	GMA4-5 09/28/04
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0050)	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)]	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050) J	ND(0.0050) J	ND(0.0050) [ND(0.0050)]	ND(0.0050) J
1,1,2-Trichloroethane	ND(0.0050)	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)]	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	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)]	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	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)]	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050) J [ND(0.0050) J]	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	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]	ND(0.20) J
2-Butanone	ND(0.010)	ND(0.010)	ND(0.010) J [ND(0.010) J]	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	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)]	ND(0.0050)
2-Hexanone	ND(0.010) J	ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.010) J
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Acetone	ND(0.010)	ND(0.010)	ND(0.010) J [ND(0.010) J]	ND(0.010)
Acetonitrile	ND(0.10)	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)
Acrolein	ND(0.10)	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)]	ND(0.0050)
Benzene	ND(0.0050)	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)]	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020)	ND(0.0020) J [ND(0.0020) J]	ND(0.0020)
Carbon Disulfide	ND(0.0050)	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)]	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Chloroethane	ND(0.0050)	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)]	ND(0.0050)
Chloromethane	ND(0.0050)	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)]	ND(0.0050)
Dibromochloromethane	ND(0.0050)	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)
Dichlorodifluoromethane	ND(0.0050) J	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Ethyl Methacrylate	ND(0.0050)	ND(0.0050) J	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J
Ethylbenzene	ND(0.0050)	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)]	ND(0.0050) J
Isobutanol	ND(0.10) J	ND(0.10) J	ND(0.10) [ND(0.10)]	ND(0.10) J
Methacrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Methyl Methacrylate	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)
Propionitrile	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]	ND(0.010) J
Styrene	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Tetrachloroethene	ND(0.0020)	ND(0.0020)	ND(0.0020) J [ND(0.0020) J]	ND(0.0020)
Toluene	ND(0.0050)	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)]	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	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)]	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Vinyl Acetate	ND(0.0050)	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)]	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)
PCBs-Unfiltered				
Aroclor-1016	NA	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1221	NA	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1232	NA	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1242	NA	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1248	NA	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1254	NA	NA	0.000020 J [0.000019 J]	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs	NA	NA	0.000020 J [0.000019 J]	ND(0.000065)

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 09/30/04	78-6 10/01/04	GMA4-5 07/13/04	GMA4-5 09/28/04
PCBs-Filtered				
Aroclor-1016	ND(0.000065)	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)]	ND(0.000065)
Aroclor-1232	ND(0.000065)	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)]	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1254	0.000045 J	0.000022 J	0.000023 J [0.000059 J]	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs	0.000045 J	0.000022 J	0.000023 J [0.000059 J]	ND(0.000065)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010)	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)]	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	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)]	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.010) J
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
1,3-Dinitrobenzene	ND(0.010)	ND(0.010)	ND(0.010) J [ND(0.010) J]	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	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]	ND(0.010)
1-Naphthylamine	ND(0.010)	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) J [ND(0.010) J]	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	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)]	ND(0.010)
2,4-Dichlorophenol	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)
2,4-Dinitrophenol	ND(0.050)	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)]	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
2,6-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010) J
2-Acetylaminofluorene	ND(0.010)	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)]	ND(0.010)
2-Chlorophenol	ND(0.010)	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)]	ND(0.010)
2-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
2-Naphthylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
2-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)
2-Nitrophenol	ND(0.010)	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)]	ND(0.010)
3&4-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
3,3'-Dichlorobenzidine	ND(0.020) J	ND(0.020) J	ND(0.020) [ND(0.020)]	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
3-Methylcholanthrene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
3-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050) J
4,6-Dinitro-2-methylphenol	ND(0.050)	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)]	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	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)]	ND(0.010)
4-Chloroaniline	ND(0.010)	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)]	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
4-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)
4-Nitrophenol	ND(0.050) J	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]	ND(0.010) J
4-Phenylenediamine	ND(0.010)	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)]	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010) J
Acenaphthene	ND(0.010)	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)]	ND(0.010)
Acetophenone	ND(0.010)	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)]	ND(0.010)
Anthracene	ND(0.010)	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)]	ND(0.010)
Benzidine	ND(0.020) J	ND(0.020) J	ND(0.020) J [ND(0.020) J]	ND(0.020)
Benzo(a)anthracene	ND(0.010)	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)]	ND(0.010)
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 09/30/04	78-6 10/01/04	GMA4-5 07/13/04	GMA4-5 09/28/04
Semivolatile Organics (continued)				
Benzo(g,h,i)perylene	ND(0.010)	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)]	ND(0.010)
Benzyl Alcohol	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020) J
bis(2-Chloroethoxy)methane	ND(0.010)	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)]	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060) [ND(0.0060)]	ND(0.0060)
Butylbenzylphthalate	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Chrysene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Diallate	ND(0.010)	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)]	ND(0.010)
Dibenzofuran	ND(0.010)	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)]	ND(0.010)
Dimethylphthalate	ND(0.010)	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)]	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	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)]	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	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)]	ND(0.010)
Fluorene	ND(0.010)	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)]	ND(0.010)
Hexachlorobutadiene	ND(0.0010)	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)]	ND(0.010)
Hexachloroethane	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Hexachlorophene	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
Hexachloropropene	ND(0.010)	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)]	ND(0.010)
Isodrin	ND(0.010)	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)]	ND(0.010)
Isosafrole	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Methapyrilene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Methyl Methanesulfonate	ND(0.010) J	ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.010) J
Naphthalene	ND(0.010)	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)]	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	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)]	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	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)]	ND(0.010)
N-Nitrosomorpholine	ND(0.010)	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)]	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	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)]	ND(0.010)
o-Toluidine	ND(0.010)	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)]	ND(0.010)
Pentachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Pentachloroethane	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	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)]	ND(0.050)
Phenacetin	ND(0.010)	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)]	ND(0.010)
Phenol	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)
Pronamide	ND(0.010) J	ND(0.010) J	ND(0.010) [ND(0.010)]	ND(0.010) J
Pyrene	ND(0.010)	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)]	ND(0.010)
Safrole	ND(0.010) J	ND(0.010) J	ND(0.010) J [ND(0.010) J]	ND(0.010)
Thionazin	ND(0.010)	ND(0.010)	ND(0.010) J [ND(0.010) J]	ND(0.010)
Extractable Petroleum Hydrocarbons				
C11-C22 Aromatic Hydrocarbons	NA	NA	ND(0.20) [ND(0.20)]	ND(0.20)
C19-C36 Aliphatic Hydrocarbons	NA	NA	ND(5.0) [ND(5.0)]	ND(5.0)
C9-C18 Aliphatic Hydrocarbons	NA	NA	ND(1.0) [ND(1.0)]	ND(1.0)
Total Petroleum Hydrocarbons	NA	NA	ND(0.20) [ND(0.20)]	ND(0.20)

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 09/30/04	78-6 10/01/04	GMA4-5 07/13/04	GMA4-5 09/28/04
Furans				
2,3,7,8-TCDF	ND(0.0000000015)	ND(0.0000000013)	NA	NA
TCDFs (total)	ND(0.0000000062)	ND(0.0000000059)	NA	NA
1,2,3,7,8-PeCDF	ND(0.0000000022)	ND(0.0000000018)	NA	NA
2,3,4,7,8-PeCDF	ND(0.0000000022)	ND(0.0000000018)	NA	NA
PeCDFs (total)	ND(0.0000000094)	ND(0.0000000024)	NA	NA
1,2,3,4,7,8-HxCDF	ND(0.0000000022)	ND(0.0000000018)	NA	NA
1,2,3,6,7,8-HxCDF	ND(0.0000000020)	ND(0.0000000017)	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.0000000026)	ND(0.0000000021)	NA	NA
2,3,4,6,7,8-HxCDF	ND(0.0000000022)	ND(0.0000000019)	NA	NA
HxCDFs (total)	ND(0.0000000026)	ND(0.0000000021)	NA	NA
1,2,3,4,6,7,8-HpCDF	ND(0.0000000022)	ND(0.0000000016)	NA	NA
1,2,3,4,7,8,9-HpCDF	ND(0.0000000023)	ND(0.0000000020)	NA	NA
HpCDFs (total)	ND(0.0000000023)	ND(0.0000000020)	NA	NA
OCDF	ND(0.0000000032)	ND(0.0000000026)	NA	NA
Dioxins				
2,3,7,8-TCDD	ND(0.0000000021)	ND(0.0000000016)	NA	NA
TCDDs (total)	ND(0.0000000021)	ND(0.0000000016)	NA	NA
1,2,3,7,8-PeCDD	ND(0.0000000034)	ND(0.0000000028)	NA	NA
PeCDDs (total)	ND(0.0000000034)	ND(0.0000000028)	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.0000000026)	ND(0.0000000025)	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.0000000023)	ND(0.0000000022)	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000000024)	ND(0.0000000023)	NA	NA
HxCDDs (total)	ND(0.0000000026)	ND(0.0000000025)	NA	NA
1,2,3,4,6,7,8-HpCDD	ND(0.0000000026)	ND(0.0000000027)	NA	NA
HpCDDs (total)	ND(0.0000000026)	ND(0.0000000027)	NA	NA
OCDD	ND(0.0000000068)	ND(0.0000000051)	NA	NA
Total TEQs (WHO TEFs)	0.0000000043	0.0000000035	NA	NA
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	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	ND(5.00)	ND(5.00)	NA	NA
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)	NA	NA
Arsenic	ND(0.0100)	0.00590 B	NA	NA
Barium	0.0230 B	0.0550 B	NA	NA
Beryllium	ND(0.00100)	ND(0.00100)	NA	NA
Cadmium	ND(0.00500)	ND(0.00500)	NA	NA
Chromium	ND(0.0100)	ND(0.0100)	NA	NA
Cobalt	ND(0.0500)	ND(0.0500)	NA	NA
Copper	ND(0.0250)	ND(0.0250)	NA	NA
Cyanide	ND(0.0100)	ND(0.0100)	NA	NA
Lead	ND(0.00300)	ND(0.00300)	NA	NA
Mercury	ND(0.000200)	ND(0.000200)	NA	NA
Nickel	ND(0.0400)	ND(0.0400)	NA	NA
Selenium	ND(0.00500)	ND(0.00500)	NA	NA
Silver	ND(0.00500)	0.00110 B	NA	NA
Thallium	ND(0.0100)	ND(0.0100)	NA	NA
Tin	ND(0.0300)	ND(0.0300)	NA	NA
Vanadium	ND(0.0500)	ND(0.0500)	NA	NA
Zinc	0.00790 B	ND(0.0200)	NA	NA

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA4-5 11/30/04	H78B-13R 10/01/04	H78B-15 10/04/04	OPCA-MW-1 10/01/04
Volatile Organics				
1,1,1,2-Tetrachloroethane	ND(0.0050) [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)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050) [ND(0.0050)]	ND(0.0050) J	ND(0.0050)	ND(0.0050) J
1,1,2-Trichloroethane	ND(0.0050) [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)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010) [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)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050) [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)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050) [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)	ND(0.0050)
1,4-Dioxane	ND(0.20) J [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) J	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050) [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)	ND(0.0050)
2-Hexanone	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010)	ND(0.010) J
3-Chloropropene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Acetone	ND(0.010) J [ND(0.010) J]	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	ND(0.10)
Acrolein	ND(0.10) [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)	ND(0.0050)
Benzene	ND(0.0050) [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)	ND(0.0050)
Bromoform	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020) [ND(0.0020)]	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050) [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)	ND(0.0050)
Chlorobenzene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.0050) [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)	ND(0.0050)
Chloromethane	ND(0.0050) J [ND(0.0050) J]	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)	ND(0.0050)
Dibromochloromethane	ND(0.0050) [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)
Dichlorodifluoromethane	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J	ND(0.0050)	ND(0.0050) J
Ethyl Methacrylate	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050) J
Ethylbenzene	ND(0.0050) [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)	ND(0.0050)
Isobutanol	ND(0.10) J [ND(0.10) J]	ND(0.10) J	ND(0.10) J	ND(0.10) J
Methacrylonitrile	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	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)
Propionitrile	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J	ND(0.010) J
Styrene	ND(0.0050) [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) J	ND(0.0020)
Toluene	0.0034 J [0.0028 J]	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)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050) [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)	ND(0.0050)
Trichloroethene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050) [ND(0.0050)]	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050) [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)	ND(0.0020)
Xylenes (total)	ND(0.010) [ND(0.010)]	0.0031 J	ND(0.010)	ND(0.010)
Total VOCs	0.0034 J [0.0028 J]	0.0031 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1016	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA	NA
Aroclor-1221	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA	NA
Aroclor-1232	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA	NA
Aroclor-1242	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA	NA
Aroclor-1248	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA	NA
Aroclor-1254	0.000025 J [0.000027 J]	ND(0.000065)	NA	NA
Aroclor-1260	ND(0.000065) [ND(0.000065)]	ND(0.000065)	NA	NA
Total PCBs	0.000025 J [0.000027 J]	ND(0.000065)	NA	NA

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA4-5 11/30/04	H78B-13R 10/01/04	H78B-15 10/04/04	OPCA-MW-1 10/01/04
PCBs-Filtered				
Aroclor-1016	ND(0.000065) [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)	ND(0.000065)
Aroclor-1232	ND(0.000065) [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)	ND(0.000065)
Aroclor-1248	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000035 J	0.000092
Aroclor-1260	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000035 J	0.000092
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.010) [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) J	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010) [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)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.010) [ND(0.010)]	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)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010) J	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010) [ND(0.010)]	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)	ND(0.010)
2,3,4,6-Tetrachlorophenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050) [ND(0.050)]	R	ND(0.050) J	ND(0.050)
2,4-Dinitrotoluene	ND(0.010) [ND(0.010)]	ND(0.010) J	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
2-Acetylaminofluorene	ND(0.010) [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)	ND(0.010)
2-Chlorophenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2-Naphthylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
2-Nitroaniline	ND(0.050) J [ND(0.050) J]	ND(0.050)	ND(0.050)	ND(0.050)
2-Nitrophenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
3,3'-Dichlorobenzidine	ND(0.020) [ND(0.020)]	ND(0.020) J	ND(0.020)	ND(0.020) J
3,3'-Dimethylbenzidine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
3-Methylcholanthrene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
3-Nitroaniline	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050) J [ND(0.050) J]	R	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010) [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)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.010) [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)	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
4-Nitroaniline	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050) [ND(0.050)]	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	ND(0.010) J
4-Phenylenediamine	ND(0.010) [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)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010) [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)	ND(0.010)	ND(0.010)
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010) J	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010) [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)	ND(0.010)
Aniline	ND(0.010) [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)	ND(0.010)
Aramite	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010) J	ND(0.010)
Benzidine	ND(0.020) J [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)	ND(0.010)
Benzo(a)pyrene	ND(0.010) [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) J	ND(0.010)

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA4-5 11/30/04	H78B-13R 10/01/04	H78B-15 10/04/04	OPCA-MW-1 10/01/04
Semivolatile Organics (continued)				
Benzo(g,h,i)perylene	ND(0.010) [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)	ND(0.010)
Benzyl Alcohol	ND(0.020) J [ND(0.020) J]	R	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010) [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)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010) [ND(0.010)]	ND(0.010) J	ND(0.010) J	ND(0.010) J
bis(2-Ethylhexyl)phthalate	ND(0.0060) [ND(0.0060)]	ND(0.0060)	ND(0.0060)	ND(0.0060)
Butylbenzylphthalate	ND(0.010) J [ND(0.010) J]	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	ND(0.010) [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)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010) J	ND(0.010)
Dibenzofuran	ND(0.010) [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)	ND(0.010)
Dimethylphthalate	ND(0.010) [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)	ND(0.010)
Di-n-Octylphthalate	ND(0.010) [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)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010) [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)	ND(0.010)
Fluorene	ND(0.010) [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)	ND(0.010)
Hexachlorobutadiene	ND(0.0010) [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) J	ND(0.010)
Hexachloroethane	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.010) [ND(0.020)]	ND(0.020)	ND(0.020)	ND(0.020)
Hexachloropropene	ND(0.010) J [ND(0.010) J]	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) J	ND(0.010)
Isodrin	ND(0.010) [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)	ND(0.010)
Isosafrole	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010) J	ND(0.010)
Methapyrilene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010) J	ND(0.010)
Methyl Methanesulfonate	ND(0.010) [ND(0.010)]	ND(0.010) J	ND(0.010) J	ND(0.010) J
Naphthalene	ND(0.010) [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)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010) [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) J	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010) [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)	ND(0.010)
N-Nitrosomorpholine	ND(0.010) [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)	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010) J [ND(0.010) J]	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)	ND(0.010)
o-Toluidine	ND(0.010) [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)	ND(0.010)
Pentachlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloroethane	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050) [ND(0.050)]	R	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010) [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)	ND(0.010)
Phenol	ND(0.010) [ND(0.010)]	R	ND(0.010)	ND(0.010)
Pronamide	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010) J	ND(0.010) J
Pyrene	ND(0.010) [ND(0.010)]	ND(0.010) J	ND(0.010)	ND(0.010)
Pyridine	ND(0.010) [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	ND(0.010) J
Thionazin	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons				
C11-C22 Aromatic Hydrocarbons	ND(0.20) [ND(0.20)]	NA	NA	NA
C19-C36 Aliphatic Hydrocarbons	ND(5.0) [ND(5.0)]	NA	NA	NA
C9-C18 Aliphatic Hydrocarbons	ND(1.0) [ND(1.0)]	NA	NA	NA
Total Petroleum Hydrocarbons	ND(0.20) [ND(0.20)]	NA	NA	NA

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	GMA4-5 11/30/04	H78B-13R 10/01/04	H78B-15 10/04/04	OPCA-MW-1 10/01/04
Furans				
2,3,7,8-TCDF	NA	ND(0.0000000012)	ND(0.0000000026)	ND(0.0000000031)
TCDFs (total)	NA	ND(0.0000000017)	ND(0.0000000026)	0.000000015
1,2,3,7,8-PeCDF	NA	ND(0.0000000018)	ND(0.0000000010)	ND(0.0000000022)
2,3,4,7,8-PeCDF	NA	ND(0.0000000018)	ND(0.0000000010)	ND(0.0000000022)
PeCDFs (total)	NA	ND(0.0000000018)	ND(0.0000000018)	ND(0.0000000054)
1,2,3,4,7,8-HxCDF	NA	ND(0.0000000016)	ND(0.00000000085)	ND(0.0000000018)
1,2,3,6,7,8-HxCDF	NA	ND(0.0000000015)	ND(0.00000000071)	ND(0.0000000017)
1,2,3,7,8,9-HxCDF	NA	ND(0.0000000018)	ND(0.00000000092)	ND(0.0000000021)
2,3,4,6,7,8-HxCDF	NA	ND(0.0000000016)	ND(0.00000000082)	ND(0.0000000018)
HxCDFs (total)	NA	ND(0.0000000018)	ND(0.00000000092)	ND(0.0000000021)
1,2,3,4,6,7,8-HpCDF	NA	ND(0.0000000013)	ND(0.00000000054)	ND(0.0000000018)
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000000016)	ND(0.00000000064)	ND(0.0000000021)
HpCDFs (total)	NA	ND(0.0000000016)	ND(0.00000000064)	ND(0.0000000021)
OCDF	NA	ND(0.0000000026)	ND(0.0000000027)	ND(0.0000000026)
Dioxins				
2,3,7,8-TCDD	NA	ND(0.0000000015)	ND(0.0000000011)	ND(0.0000000016)
TCDDs (total)	NA	ND(0.0000000015)	ND(0.0000000011)	ND(0.0000000016)
1,2,3,7,8-PeCDD	NA	ND(0.0000000027)	ND(0.0000000025)	ND(0.0000000027)
PeCDDs (total)	NA	ND(0.0000000027)	ND(0.0000000025)	ND(0.0000000027)
1,2,3,4,7,8-HxCDD	NA	ND(0.0000000021)	ND(0.0000000011)	ND(0.0000000026)
1,2,3,6,7,8-HxCDD	NA	ND(0.0000000019)	ND(0.00000000087)	ND(0.0000000024)
1,2,3,7,8,9-HxCDD	NA	ND(0.0000000019)	ND(0.00000000091)	ND(0.0000000024)
HxCDDs (total)	NA	ND(0.0000000021)	ND(0.0000000012)	ND(0.0000000026)
1,2,3,4,6,7,8-HpCDD	NA	ND(0.0000000023)	ND(0.0000000013)	ND(0.0000000023)
HpCDDs (total)	NA	ND(0.0000000023)	ND(0.0000000013)	ND(0.0000000023)
OCDD	NA	ND(0.0000000041)	ND(0.0000000028)	ND(0.0000000044)
Total TEQs (WHO TEFs)	NA	0.0000000033	0.0000000025	0.0000000037
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600)	NA	NA
Arsenic	NA	0.00520 B	NA	NA
Barium	NA	0.0870 B	NA	NA
Beryllium	NA	ND(0.00100)	NA	NA
Cadmium	NA	ND(0.00500)	NA	NA
Chromium	NA	ND(0.0100)	NA	NA
Cobalt	NA	ND(0.0500)	NA	NA
Copper	NA	0.00140 B	NA	NA
Cyanide	NA	0.00290 B	NA	NA
Lead	NA	ND(0.00300)	NA	NA
Mercury	NA	0.0000900 B	NA	NA
Nickel	NA	ND(0.0400)	NA	NA
Selenium	NA	ND(0.00500) J	NA	NA
Silver	NA	ND(0.00500)	NA	NA
Sulfide	NA	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	NA	ND(0.0100) J	NA	NA
Tin	NA	ND(0.0300)	NA	NA
Vanadium	NA	ND(0.0500)	NA	NA
Zinc	NA	0.0150 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	0.0590 B	0.00800 B	0.0170 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(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	NA	0.00270 B	ND(0.0100)	ND(0.0100)
Lead	NA	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	0.00210 B	ND(0.0400)
Selenium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	NA	ND(0.0100)	ND(0.0100)	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	ND(0.0200)	0.00200 B	0.00180 B

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-2 10/05/04	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04	OPCA-MW-5R 10/04/04
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) J
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) J
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) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
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) J
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
Acetone	ND(0.010) J	ND(0.010) J	ND(0.010) J	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)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J
Carbon Tetrachloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0030 J
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) J
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) J
Ethyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050) J
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) J
Isobutanol	ND(0.10) J	ND(0.10) J	ND(0.10) J	ND(0.10) J
Methacrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
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) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Styrene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020) J	ND(0.0020) J	ND(0.0020) J	ND(0.0020) J
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.00057 J
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)	ND(0.0050)	0.0015 J	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)	0.0015 J	0.0036 J
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

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-2 10/05/04	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04	OPCA-MW-5R 10/04/04
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	0.000020 J	ND(0.000065)	0.00017	0.000041 J
Aroclor-1260	ND(0.000065)	ND(0.000065)	0.000058 J	0.000043 J
Total PCBs	0.000020 J	ND(0.000065)	0.000228	0.000084 J
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)	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) 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)	R
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	R
2,4,6-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	R
2,4-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	R
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)	R
2,4-Dinitrophenol	ND(0.050)	ND(0.050)	ND(0.050)	R
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)	R
2,6-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
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)	R
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)	R
2-Naphthylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
2-Nitrophenol	ND(0.010)	ND(0.010)	ND(0.010)	R
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)	R
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.020) J	ND(0.020)
3,3'-Dimethylbenzidine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3-Methylcholanthrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.050)	ND(0.050)	R
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)	R
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)
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	R
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)	ND(0.010)	ND(0.010) J	ND(0.010)
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) J	ND(0.010) J	ND(0.010)	ND(0.010) J
Benzidine	ND(0.020) J	ND(0.020) J	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(b)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-2 10/05/04	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04	OPCA-MW-5R 10/04/04
Semivolatile Organics (continued)				
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)	R
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) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060)
Butylbenzylphthalate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Diallate	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
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) J
Hexachloroethane	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
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) J
Isodrin	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isophorone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
Methapyrilene	ND(0.010) J	ND(0.010) J	ND(0.010)	ND(0.010) J
Methyl Methanesulfonate	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
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) J	ND(0.010)
p-Dimethylaminoazobenzene	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010)
Pentachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloroethane	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	ND(0.050)	ND(0.050)	R
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)	R
Pronamide	ND(0.010) J	ND(0.010) J	ND(0.010) J	ND(0.010) J
Pyrene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pyridine	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Safrole	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010) J
Thionazin	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons				
C11-C22 Aromatic Hydrocarbons	NA	NA	NA	NA
C19-C36 Aliphatic Hydrocarbons	NA	NA	NA	NA
C9-C18 Aliphatic Hydrocarbons	NA	NA	NA	NA
Total Petroleum Hydrocarbons	NA	NA	NA	NA

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-2 10/05/04	OPCA-MW-3 10/06/04	OPCA-MW-4 10/04/04	OPCA-MW-5R 10/04/04
Furans				
2,3,7,8-TCDF	ND(0.0000000028)	ND(0.0000000030)	ND(0.0000000023)	ND(0.0000000023)
TCDFs (total)	ND(0.0000000028)	ND(0.0000000030)	ND(0.0000000023)	ND(0.0000000023)
1,2,3,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000011)	ND(0.0000000013)
2,3,4,7,8-PeCDF	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000010)	ND(0.0000000012)
PeCDFs (total)	ND(0.0000000050)	ND(0.0000000052)	ND(0.0000000020)	ND(0.0000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000041)	ND(0.0000000044)	ND(0.0000000014)	ND(0.00000000085)
1,2,3,6,7,8-HxCDF	ND(0.0000000039)	ND(0.0000000042)	ND(0.00000000071)	ND(0.00000000069)
1,2,3,7,8,9-HxCDF	ND(0.0000000049)	ND(0.0000000052)	ND(0.00000000091)	ND(0.00000000088)
2,3,4,6,7,8-HxCDF	ND(0.0000000043)	ND(0.0000000046)	ND(0.00000000082)	ND(0.00000000079)
HxCDFs (total)	ND(0.0000000049)	ND(0.0000000052)	ND(0.0000000014)	ND(0.00000000088)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000028)	ND(0.0000000034)	ND(0.00000000074)	ND(0.00000000049)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000034)	ND(0.0000000041)	ND(0.00000000069)	ND(0.00000000058)
HpCDFs (total)	ND(0.0000000034)	ND(0.0000000041)	ND(0.00000000086)	ND(0.00000000070)
OCDF	ND(0.0000000077)	ND(0.0000000081)	ND(0.0000000032)	ND(0.0000000024)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000033)	ND(0.0000000036)	ND(0.00000000098)	ND(0.00000000097)
TCDDs (total)	ND(0.0000000033)	ND(0.0000000036)	ND(0.0000000012)	ND(0.00000000097)
1,2,3,7,8-PeCDD	ND(0.0000000072)	ND(0.0000000071)	ND(0.0000000020)	ND(0.0000000026)
PeCDDs (total)	ND(0.0000000072)	ND(0.0000000071)	ND(0.0000000020)	ND(0.0000000026)
1,2,3,4,7,8-HxCDD	ND(0.0000000049)	ND(0.0000000056)	ND(0.0000000011)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	ND(0.0000000044)	ND(0.0000000050)	ND(0.00000000086)	ND(0.00000000090)
1,2,3,7,8,9-HxCDD	ND(0.0000000045)	ND(0.0000000051)	ND(0.00000000089)	ND(0.00000000094)
HxCDDs (total)	ND(0.0000000049)	ND(0.0000000056)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000048)	ND(0.0000000060)	ND(0.0000000013)	ND(0.0000000010)
HpCDDs (total)	ND(0.0000000048)	ND(0.0000000060)	ND(0.0000000013)	ND(0.0000000010)
OCDD	ND(0.0000000056)	ND(0.0000000062)	ND(0.0000000059)	ND(0.0000000076)
Total TEQs (WHO TEFs)	0.0000000083	0.0000000087	0.0000000022	0.0000000026
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	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	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
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)	0.00950 B	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0180 B	0.0600 B	0.0590 B	0.0880 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)	0.00110 B	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	0.00390 B	ND(0.0250)	0.00140 B
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	0.00200 B	0.00410 B	ND(0.0400)	0.00180 B
Selenium	0.00880	0.00770	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	0.00780 B	0.00290 B	0.180	0.00180 B

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Volatile Organics			
1,1,1,2-Tetrachloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050) J	ND(0.0050) J	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050) J	ND(0.0050) J	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010) J	ND(0.010) J	ND(0.010) J
2-Chloro-1,3-butadiene	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010) J	ND(0.010) J	ND(0.010)
3-Chloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010) J	ND(0.010) J	ND(0.010)
Acetone	ND(0.010)	ND(0.010)	ND(0.010) J
Acetonitrile	ND(0.10) J	ND(0.10) J	ND(0.10) J
Acrolein	ND(0.10)	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromodichloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	ND(0.0050)	ND(0.0050)
Bromomethane	ND(0.0020)	ND(0.0020)	ND(0.0020)
Carbon Disulfide	ND(0.0050) J	ND(0.0050) J	ND(0.0050)
Carbon Tetrachloride	ND(0.0050) J	ND(0.0050) J	ND(0.0050)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050) J	ND(0.0050) J	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050) J	ND(0.0050) J	ND(0.0050)
Ethyl Methacrylate	ND(0.0050) J	ND(0.0050) J	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050) J	ND(0.0050) J	ND(0.0050)
Isobutanol	ND(0.10) J	ND(0.10) J	ND(0.10) J
Methacrylonitrile	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010) J	ND(0.010) J	ND(0.010) J
Styrene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020) J	ND(0.0020) J	ND(0.0020) J
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,2-Dichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Acetate	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)
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

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
PCBs-Filtered			
Aroclor-1016	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1232	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1242	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.000065)	ND(0.000065)	0.000041 J
Aroclor-1260	ND(0.000065)	ND(0.000065)	0.000025 J
Total PCBs	ND(0.000065)	ND(0.000065)	0.000066 J
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Diphenylhydrazine	ND(0.010)	ND(0.010)	ND(0.010)
1,3,5-Trinitrobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) J
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,3-Dinitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
1,4-Naphthoquinone	ND(0.010) J	ND(0.010) J	ND(0.010)
1-Naphthylamine	ND(0.010) J	ND(0.010) J	ND(0.010)
2,3,4,6-Tetrachlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4,6-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dimethylphenol	ND(0.010)	ND(0.010)	ND(0.010)
2,4-Dinitrophenol	ND(0.050) J	ND(0.050) J	ND(0.050)
2,4-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)
2,6-Dichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2,6-Dinitrotoluene	ND(0.010)	ND(0.010)	ND(0.010)
2-Acetylaminofluorene	ND(0.010)	ND(0.010)	ND(0.010)
2-Chloronaphthalene	ND(0.010)	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylnaphthalene	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)
2-Naphthylamine	ND(0.010)	ND(0.010)	ND(0.010)
2-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)
2-Nitrophenol	ND(0.010)	ND(0.010)	ND(0.010)
2-Picoline	ND(0.010)	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)
3,3'-Dichlorobenzidine	ND(0.020)	ND(0.020)	ND(0.020) J
3,3'-Dimethylbenzidine	ND(0.010)	ND(0.010)	ND(0.010)
3-Methylcholanthrene	ND(0.010)	ND(0.010)	ND(0.010)
3-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)
4,6-Dinitro-2-methylphenol	ND(0.050)	ND(0.050)	ND(0.050)
4-Aminobiphenyl	ND(0.010)	ND(0.010)	ND(0.010)
4-Bromophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)
4-Chloro-3-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)
4-Chloroaniline	ND(0.010)	ND(0.010)	ND(0.010)
4-Chlorobenzilate	ND(0.010)	ND(0.010)	ND(0.010)
4-Chlorophenyl-phenylether	ND(0.010)	ND(0.010)	ND(0.010)
4-Nitroaniline	ND(0.050)	ND(0.050)	ND(0.050)
4-Nitrophenol	ND(0.050) 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
4-Phenylenediamine	ND(0.010)	ND(0.010)	ND(0.010)
5-Nitro-o-toluidine	ND(0.010)	ND(0.010)	ND(0.010)
7,12-Dimethylbenz(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)
a,a'-Dimethylphenethylamine	ND(0.010) J	ND(0.010) J	ND(0.010) J
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)
Acenaphthylene	ND(0.010)	ND(0.010)	ND(0.010)
Acetophenone	ND(0.010)	ND(0.010)	ND(0.010)
Aniline	ND(0.010) J	ND(0.010) J	ND(0.010)
Anthracene	ND(0.010)	ND(0.010)	ND(0.010)
Aramite	ND(0.010) J	ND(0.010) J	ND(0.010)
Benzidine	ND(0.020) J	ND(0.020) J	ND(0.020) J
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)
Benzo(a)pyrene	ND(0.010) J	ND(0.010) J	ND(0.010)
Benzo(b)fluoranthene	ND(0.010) J	ND(0.010) J	ND(0.010)

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Semivolatile Organics (continued)			
Benzo(g,h,i)perylene	ND(0.010) J	ND(0.010) J	ND(0.010)
Benzo(k)fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)
Benzyl Alcohol	ND(0.020)	ND(0.020)	ND(0.020)
bis(2-Chloroethoxy)methane	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroethyl)ether	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Chloroisopropyl)ether	ND(0.010) J	ND(0.010) J	ND(0.010) J
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060)
Butylbenzylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Chrysene	ND(0.010)	ND(0.010)	ND(0.010)
Diallate	ND(0.010)	ND(0.010)	ND(0.010)
Dibenzo(a,h)anthracene	ND(0.010) J	ND(0.010) J	ND(0.010)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)
Diethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Dimethylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Di-n-Butylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Di-n-Octylphthalate	ND(0.010)	ND(0.010)	ND(0.010)
Diphenylamine	ND(0.010)	ND(0.010)	ND(0.010)
Ethyl Methanesulfonate	ND(0.010)	ND(0.010)	ND(0.010)
Fluoranthene	ND(0.010)	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorobutadiene	ND(0.0010)	ND(0.0010)	ND(0.0010)
Hexachlorocyclopentadiene	ND(0.010) J	ND(0.010) J	ND(0.010)
Hexachloroethane	ND(0.010)	ND(0.010)	ND(0.010)
Hexachlorophene	ND(0.020)	ND(0.020)	ND(0.020)
Hexachloropropene	ND(0.010)	ND(0.010)	ND(0.010)
Indeno(1,2,3-cd)pyrene	ND(0.010) J	ND(0.010) J	ND(0.010)
Isodrin	ND(0.010)	ND(0.010)	ND(0.010)
Isophorone	ND(0.010)	ND(0.010)	ND(0.010)
Isosafrole	ND(0.010) J	ND(0.010) J	ND(0.010)
Methapyrilene	ND(0.010) J	ND(0.010) J	ND(0.010)
Methyl Methanesulfonate	ND(0.010) J	ND(0.010) J	ND(0.010) J
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)
Nitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiethylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodimethylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitroso-di-n-butylamine	ND(0.010) J	ND(0.010) J	ND(0.010)
N-Nitroso-di-n-propylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosodiphenylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosomethylethylamine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosomorpholine	ND(0.010)	ND(0.010)	ND(0.010)
N-Nitrosopiperidine	ND(0.010) J	ND(0.010) J	ND(0.010)
N-Nitrosopyrrolidine	ND(0.010)	ND(0.010)	ND(0.010)
o,o,o-Triethylphosphorothioate	ND(0.010)	ND(0.010)	ND(0.010)
o-Toluidine	ND(0.010)	ND(0.010)	ND(0.010) J
p-Dimethylaminoazobenzene	ND(0.010) J	ND(0.010) J	ND(0.010) J
Pentachlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloroethane	ND(0.010)	ND(0.010)	ND(0.010)
Pentachloronitrobenzene	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	ND(0.050)	ND(0.050)
Phenacetin	ND(0.010)	ND(0.010)	ND(0.010)
Phenanthrene	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)	ND(0.010)
Pronamide	ND(0.010) J	ND(0.010) J	ND(0.010) J
Pyrene	ND(0.010)	ND(0.010)	ND(0.010)
Pyridine	ND(0.010)	ND(0.010)	ND(0.010)
Safrole	ND(0.010) J	ND(0.010) J	ND(0.010) J
Thionazin	ND(0.010)	ND(0.010)	ND(0.010)
Extractable Petroleum Hydrocarbons			
C11-C22 Aromatic Hydrocarbons	NA	NA	NA
C19-C36 Aliphatic Hydrocarbons	NA	NA	NA
C9-C18 Aliphatic Hydrocarbons	NA	NA	NA
Total Petroleum Hydrocarbons	NA	NA	NA

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/04/04	OPCA-MW-7 10/04/04	OPCA-MW-8 10/05/04
Furans			
2,3,7,8-TCDF	ND(0.0000000030)	ND(0.0000000027)	ND(0.0000000024)
TCDFs (total)	ND(0.0000000030)	ND(0.0000000027)	ND(0.0000000024)
1,2,3,7,8-PeCDF	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000013)
2,3,4,7,8-PeCDF	ND(0.0000000011)	ND(0.0000000011)	ND(0.0000000013)
PeCDFs (total)	ND(0.0000000020)	ND(0.0000000020)	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000019)
1,2,3,6,7,8-HxCDF	ND(0.00000000068)	ND(0.00000000051)	ND(0.00000000073)
1,2,3,7,8,9-HxCDF	ND(0.00000000088)	ND(0.00000000066)	ND(0.00000000094)
2,3,4,6,7,8-HxCDF	ND(0.00000000078)	ND(0.00000000059)	ND(0.00000000084)
HxCDFs (total)	ND(0.0000000013)	ND(0.0000000011)	ND(0.0000000019)
1,2,3,4,6,7,8-HpCDF	ND(0.00000000052)	ND(0.00000000057)	ND(0.0000000021)
1,2,3,4,7,8,9-HpCDF	ND(0.00000000062)	ND(0.00000000061)	ND(0.00000000075)
HpCDFs (total)	ND(0.00000000062)	ND(0.00000000061)	ND(0.0000000021)
OCDF	ND(0.0000000030)	ND(0.0000000029)	ND(0.0000000024)
Dioxins			
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.00000000097)	ND(0.00000000087)
TCDDs (total)	ND(0.0000000012)	ND(0.00000000097)	ND(0.00000000087)
1,2,3,7,8-PeCDD	ND(0.0000000023)	ND(0.0000000018)	ND(0.0000000022)
PeCDDs (total)	ND(0.0000000023)	ND(0.0000000018)	ND(0.0000000022)
1,2,3,4,7,8-HxCDD	ND(0.0000000013)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	ND(0.00000000099)	ND(0.0000000014)	ND(0.00000000095)
1,2,3,7,8,9-HxCDD	ND(0.0000000010)	ND(0.0000000015)	ND(0.00000000099)
HxCDDs (total)	ND(0.0000000013)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000011)
HpCDDs (total)	ND(0.0000000011)	ND(0.0000000012)	ND(0.0000000011)
OCDD	ND(0.0000000018)	ND(0.0000000027)	ND(0.0000000068)
Total TEQs (WHO TEFs)	0.0000000026	0.0000000022	0.0000000024
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(5.00)	ND(5.00)	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)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0320 B	0.0140 B	0.0340 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100)	0.00110 B	0.00300 B
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	0.00220 B	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100)
Tin	ND(0.0300)	ND(0.0300)	ND(0.0300)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.00220 B	0.00320 B	0.0130 B

TABLE A-1
FALL 2004 GROUNDWATER ANALYTICAL RESULTS

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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, Appendix IX+3 constituents and EPH.
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.

Data Qualifiers:

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

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).

Appendix B

Historical Groundwater Data

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

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/31/01	78-1 04/18/02
Volatile Organics				
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010) J
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	0.0047 J	ND(0.0050)	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)	0.0047 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	ND(0.00010)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.00010)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.00010)	ND(0.000065)	ND(0.000065)	0.000053 J
Aroclor-1260	ND(0.00010)	ND(0.000065)	ND(0.000065)	0.000061 J
Total PCBs	ND(0.00010)	ND(0.000065)	ND(0.000065)	0.000114 J
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)	ND(0.000065)	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010)	ND(0.0060)	ND(0.0060)	ND(0.0060)
Dibenzofuran	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)
Phenol	ND(0.010)	ND(0.010) J	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(0.00000000060)	ND(0.0000000011)	ND(0.00000000060) X	ND(0.0000000010)
TCDFs (total)	ND(0.00000000060)	ND(0.000000010) X	ND(0.00000000030)	ND(0.0000000035) X
1,2,3,7,8-PeCDF	ND(0.0000000021)	ND(0.0000000013) XB	ND(0.0000000000015)	ND(0.0000000011)
2,3,4,7,8-PeCDF	ND(0.0000000020)	ND(0.0000000012)	ND(0.0000000014) X	ND(0.0000000011)
PeCDFs (total)	ND(0.0000000021)	ND(0.000000024)	ND(0.0000000000015)	0.000000017
1,2,3,4,7,8-HxCDF	ND(0.0000000060)	ND(0.0000000021)	ND(0.0000000000012)	ND(0.00000000080)
1,2,3,6,7,8-HxCDF	ND(0.0000000062)	ND(0.00000000080)	ND(0.0000000012) X	ND(0.00000000090)
1,2,3,7,8,9-HxCDF	ND(0.0000000059)	ND(0.00000000090)	ND(0.0000000013) X	ND(0.0000000010)
2,3,4,6,7,8-HxCDF	ND(0.0000000064)	ND(0.00000000080)	ND(0.0000000011) X	ND(0.00000000090)
HxCDFs (total)	ND(0.0000000064)	ND(0.0000000044)	ND(0.0000000000012)	ND(0.00000000090)
1,2,3,4,6,7,8-HpCDF	ND(0.000000011)	ND(0.0000000013)	ND(0.00000000080)	ND(0.0000000010)
1,2,3,4,7,8,9-HpCDF	ND(0.000000011)	ND(0.0000000017)	ND(0.00000000090)	ND(0.0000000012)
HpCDFs (total)	ND(0.000000011)	ND(0.0000000015)	ND(0.00000000080)	ND(0.0000000011)
OCDF	ND(0.000000011)	ND(0.0000000032)	0.0000000021 J	ND(0.0000000017)
Dioxins				
2,3,7,8-TCDD	ND(0.00000000090)	ND(0.0000000014)	ND(0.00000000030) X	ND(0.0000000013)
TCDDs (total)	ND(0.00000000090)	ND(0.0000000014)	ND(0.0000000018)	ND(0.0000000013)
1,2,3,7,8-PeCDD	ND(0.0000000071)	ND(0.0000000016)	ND(0.0000000013) X	ND(0.0000000013)
PeCDDs (total)	ND(0.0000000071)	ND(0.0000000016)	ND(0.0000000025)	ND(0.0000000013)
1,2,3,4,7,8-HxCDD	ND(0.0000000069)	ND(0.0000000014)	ND(0.0000000013) X	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	ND(0.0000000086)	ND(0.0000000014)	ND(0.0000000000013)	ND(0.0000000012)
1,2,3,7,8,9-HxCDD	ND(0.0000000077)	ND(0.0000000013)	ND(0.0000000012) X	ND(0.0000000012)
HxCDDs (total)	ND(0.0000000086)	ND(0.000000012) X	ND(0.0000000000013)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	ND(0.000000013)	ND(0.0000000026)	ND(0.0000000023) X	ND(0.0000000017)
HpCDDs (total)	ND(0.000000013)	ND(0.0000000026)	ND(0.00000000020)	ND(0.0000000017)
OCDD	ND(0.000000017)	ND(0.0000000038) XB	ND(0.0000000000087)	ND(0.0000000038) X
Total TEQs (WHO TEFs)	0.0000000071	0.0000000024	0.0000000015	0.0000000020

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/31/01	78-1 04/18/02
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.00600)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0250	0.0330 B	0.0330 B	ND(0.200)
Beryllium	ND(0.00600)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00600)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0130)	ND(0.0100)	ND(0.0100)	0.00290 B
Cobalt	ND(0.0600)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	ND(0.0330)	0.00550 J	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0200)	ND(0.0100)	ND(0.0100)	0.00710 B
Lead	ND(0.130) J	ND(0.00500)	ND(0.00500) J	ND(0.00300)
Mercury	ND(0.000500)	ND(0.000200)	ND(0.000200)	ND(0.000200) J
Nickel	ND(0.0600)	ND(0.0400)	ND(0.0400)	0.00410 B
Selenium	ND(0.00600) J	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Silver	ND(0.0130)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0130)	ND(0.0100) J	ND(0.0100)	ND(0.0100) J
Vanadium	ND(0.0600)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.0290	0.0200	0.0160 BJ	0.0160 J
Inorganics-Filtered				
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.100)
Barium	NA	0.0260 J	0.0200 B	ND(0.200)
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500)	ND(0.00500)	ND(0.0100)
Chromium	NA	ND(0.0100)	ND(0.0100)	ND(0.0250)
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	0.00420 J	ND(0.0250)	ND(0.100)
Cyanide	NA	NA	NA	NA
Lead	NA	ND(0.00500)	ND(0.00500) J	ND(0.00300)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200) J
Nickel	NA	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	NA	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Silver	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	NA	ND(0.0100) J	ND(0.0100)	ND(0.0100) J
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0160 B	0.0210 J	0.00990 J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 10/01/02	78-1 04/17/03	78-1 10/30/03	78-1 04/26/04
Volatile Organics				
Acetone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) J
Chlorobenzene	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)
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	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA
Aroclor-1254	0.000061 J	0.00020	0.00023	NA
Aroclor-1260	ND(0.000065)	0.000046 J	0.000049 J	NA
Total PCBs	0.000061 J	0.000246	0.000279	NA
PCBs-Filtered				
Aroclor-1221	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	0.000043 J	ND(0.000065)	0.00011	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	0.000030 J	ND(0.000065)
Total PCBs	0.000043 J	ND(0.000065)	0.00014	ND(0.000065)
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
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(0.0000000016)	ND(0.0000000023)	ND(0.0000000055)	ND(0.0000000012)
TCDFs (total)	ND(0.0000000016)	ND(0.0000000023)	ND(0.0000000055)	ND(0.0000000012)
1,2,3,7,8-PeCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000017)	ND(0.0000000015) X
2,3,4,7,8-PeCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000018)	ND(0.0000000012)
PeCDFs (total)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000017)	ND(0.0000000012)
1,2,3,4,7,8-HxCDF	ND(0.0000000025)	ND(0.0000000010) X	0.000000017 I	ND(0.0000000013) X
1,2,3,6,7,8-HxCDF	ND(0.0000000025)	0.00000000068 J	ND(0.0000000018)	ND(0.0000000013) X
1,2,3,7,8,9-HxCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000024)	ND(0.0000000029)
2,3,4,6,7,8-HxCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000020)	ND(0.00000000067) X
HxCDFs (total)	ND(0.0000000025)	0.00000000068	0.000000017	ND(0.0000000025)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000010)	ND(0.0000000024)	ND(0.0000000011)	ND(0.0000000016)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000014)	ND(0.0000000025)
HpCDFs (total)	ND(0.0000000010)	ND(0.0000000024)	ND(0.0000000011)	ND(0.0000000016)
OCDF	ND(0.0000000049)	ND(0.0000000064)	ND(0.0000000061) X	ND(0.0000000049)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000017)	ND(0.0000000020)	ND(0.000000014)	ND(0.0000000015)
TCDDs (total)	ND(0.0000000035)	ND(0.0000000020)	ND(0.000000014)	ND(0.0000000023)
1,2,3,7,8-PeCDD	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000034)	ND(0.0000000014) X
PeCDDs (total)	ND(0.0000000043)	ND(0.0000000043)	ND(0.0000000034)	ND(0.0000000032)
1,2,3,4,7,8-HxCDD	ND(0.0000000026)	ND(0.0000000030)	ND(0.0000000017)	ND(0.0000000038)
1,2,3,6,7,8-HxCDD	ND(0.0000000025)	ND(0.0000000027)	ND(0.0000000016)	ND(0.0000000034)
1,2,3,7,8,9-HxCDD	ND(0.0000000025)	ND(0.0000000030)	ND(0.0000000016)	0.0000000016 J
HxCDDs (total)	ND(0.0000000025)	ND(0.0000000041)	ND(0.0000000016)	0.0000000016
1,2,3,4,6,7,8-HpCDD	ND(0.0000000026) X	ND(0.0000000032)	ND(0.0000000015)	ND(0.0000000027)
HpCDDs (total)	ND(0.0000000025)	ND(0.0000000032)	ND(0.0000000015)	ND(0.0000000027)
OCDD	ND(0.0000000083)	ND(0.000000012)	ND(0.000000039)	ND(0.0000000049) X
Total TEQs (WHO TEFs)	0.0000000038	0.0000000038	0.000000012	0.0000000027

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 10/01/02	78-1 04/17/03	78-1 10/30/03	78-1 04/26/04
Inorganics-Unfiltered				
Antimony	ND(0.0600)	0.00700 B	ND(0.0600)	NA
Arsenic	ND(0.0100)	ND(0.0100) J	ND(0.0100) J	NA
Barium	0.0880 B	0.0320 B	0.0290 B	NA
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	NA
Cadmium	ND(0.00500)	0.000980 B	ND(0.00500)	NA
Chromium	0.0140	ND(0.0100)	0.00130 B	NA
Cobalt	0.0130 B	0.00220 B	ND(0.0500)	NA
Copper	0.0220 B	0.00510 B	0.00160 B	NA
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Lead	0.0120	ND(0.00300)	ND(0.00300)	NA
Mercury	ND(0.000200) J	ND(0.000200)	ND(0.000200)	NA
Nickel	0.0200 B	0.00230 B	ND(0.0400)	NA
Selenium	ND(0.00500) J	ND(0.00500) J	ND(0.00500)	NA
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100)	NA
Vanadium	ND(0.0500)	0.00190 B	ND(0.0500)	NA
Zinc	0.0760	0.0410 J	ND(0.025)	NA
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.060)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Barium	0.0280 B	0.0310 B	0.0280 B	0.0190 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)	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)	0.00240 B	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200) J	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	0.00280 B
Selenium	ND(0.00500) J	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100)	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200)	0.0230 J	ND(0.025)	0.00400 B

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 09/30/04	78-6 06/16/99	78-6 05/03/01	78-6 10/31-11/1/01
Volatile Organics				
Acetone	ND(0.010)	ND(0.10)	ND(0.010)	ND(0.010)
Chlorobenzene	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)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.010)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	NA	ND(0.000050)	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000050)	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	ND(0.000050)	ND(0.000065)	0.000097
Aroclor-1260	NA	ND(0.000050)	ND(0.000065)	0.00020
Total PCBs	NA	ND(0.000050)	ND(0.000065)	0.000297
PCBs-Filtered				
Aroclor-1221	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	0.000045 J	NA	ND(0.000065)	0.000054 J
Aroclor-1260	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Total PCBs	0.000045 J	NA	ND(0.000065)	0.000054 J
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.010)	ND(0.0060)	ND(0.0060)
Dibenzofuran	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)
Phenol	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(0.0000000015)	ND(0.0000000032)	ND(0.00000000085) XB	ND(0.0000000000017)
TCDFs (total)	ND(0.0000000062)	ND(0.0000000032)	ND(0.0000000020)	ND(0.0000000000017)
1,2,3,7,8-PeCDF	ND(0.0000000022)	ND(0.0000000079)	ND(0.00000000030)	ND(0.0000000000014)
2,3,4,7,8-PeCDF	ND(0.0000000022)	ND(0.0000000083)	ND(0.00000000066)	ND(0.0000000000014)
PeCDFs (total)	ND(0.0000000094)	ND(0.0000000083)	ND(0.0000000017)	ND(0.0000000000014)
1,2,3,4,7,8-HxCDF	ND(0.0000000022)	ND(0.0000000042)	ND(0.00000000083) XB	ND(0.0000000000015)
1,2,3,6,7,8-HxCDF	ND(0.0000000020)	ND(0.0000000043)	ND(0.00000000030)	ND(0.0000000000014)
1,2,3,7,8,9-HxCDF	ND(0.0000000026)	ND(0.0000000051)	ND(0.00000000030)	ND(0.0000000000017)
2,3,4,6,7,8-HxCDF	ND(0.0000000022)	ND(0.0000000044)	ND(0.00000000030)	ND(0.0000000000015)
HxCDFs (total)	ND(0.0000000026)	ND(0.0000000051)	ND(0.00000000083) X	0.0000000000020
1,2,3,4,6,7,8-HpCDF	ND(0.0000000022)	ND(0.000000029)	ND(0.00000000050)	ND(0.0000000000025)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000023)	ND(0.000000029)	ND(0.00000000060)	ND(0.0000000000031)
HpCDFs (total)	ND(0.0000000023)	ND(0.000000029)	ND(0.00000000050)	ND(0.0000000000028)
OCDF	ND(0.0000000032)	ND(0.000000017)	ND(0.00000000090)	ND(0.000000000011) X
Dioxins				
2,3,7,8-TCDD	ND(0.0000000021)	ND(0.0000000035)	ND(0.00000000040)	ND(0.0000000000016)
TCDDs (total)	ND(0.0000000021)	ND(0.0000000035)	ND(0.0000000010) X	ND(0.0000000000016)
1,2,3,7,8-PeCDD	ND(0.0000000034)	ND(0.000000034)	ND(0.00000000040)	ND(0.00000000000040)
PeCDDs (total)	ND(0.0000000034)	ND(0.000000034)	ND(0.0000000019) X	ND(0.0000000000012)
1,2,3,4,7,8-HxCDD	ND(0.0000000026)	ND(0.000000014)	ND(0.00000000060)	ND(0.0000000000035)
1,2,3,6,7,8-HxCDD	ND(0.0000000023)	ND(0.000000017)	ND(0.00000000060)	ND(0.0000000000031)
1,2,3,7,8,9-HxCDD	ND(0.0000000024)	ND(0.000000015)	ND(0.00000000050)	ND(0.0000000000032)
HxCDDs (total)	ND(0.0000000026)	ND(0.000000017)	ND(0.0000000060) X	ND(0.0000000000033)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000026)	ND(0.000000029)	ND(0.00000000080)	0.0000000000097 J
HpCDDs (total)	ND(0.0000000026)	ND(0.000000029)	ND(0.00000000080)	ND(0.0000000000097)
OCDD	ND(0.0000000068)	ND(0.000000020)	ND(0.0000000079)	ND(0.000000000054)
Total TEQs (WHO TEFs)	0.0000000043	0.000000025	0.00000000080	0.0000000000024

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-1 09/30/04	78-6 06/16/99	78-6 05/03/01	78-6 10/31-11/1/01
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600)	0.00250 J	0.0120 B
Arsenic	NA	0.0320	0.0160	0.370
Barium	NA	0.0830	0.0960 B	0.160 B
Beryllium	NA	ND(0.00600)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00600) J	ND(0.00500)	0.00600
Chromium	NA	ND(0.0130)	0.00250 B	0.0280
Cobalt	NA	ND(0.0600)	0.00480 B	0.0100 B
Copper	NA	ND(0.0330)	ND(0.0100) J	0.0910
Cyanide	NA	ND(0.0200)	ND(0.0100)	0.0290
Lead	NA	ND(0.130) J	ND(0.00500) J	0.0200
Mercury	NA	ND(0.000500)	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0600)	ND(0.0400)	0.0110 B
Selenium	NA	ND(0.00600)	0.00490 B	0.00510
Silver	NA	ND(0.0130)	0.0110 J	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	NA	ND(0.0130)	ND(0.0100)	ND(0.0100) J
Vanadium	NA	ND(0.0600)	ND(0.0500)	0.0150 B
Zinc	NA	0.0330	0.0110 B	2.00
Inorganics-Filtered				
Antimony	ND(0.0600)	NA	0.00370 J	ND(0.0600)
Arsenic	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Barium	0.0230 B	NA	0.0450 B	0.0680 B
Beryllium	ND(0.00100)	NA	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100)	NA	0.00370 B	ND(0.0100)
Cobalt	ND(0.0500)	NA	0.00370 B	ND(0.0500)
Copper	ND(0.0250)	NA	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0100)	NA	NA	NA
Lead	ND(0.00300)	NA	ND(0.00500) J	ND(0.00500) J
Mercury	ND(0.000200)	NA	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	NA	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	NA	ND(0.0100)	ND(0.00500)
Thallium	ND(0.0100)	NA	ND(0.0100) J	ND(0.00500) J
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc	0.00790 B	NA	0.0180 J	ND(0.020) J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 04/18/02	78-6 10/1-10/2/2002	78-6 04/21/03	78-6 10/30/03
Volatile Organics				
Acetone	ND(0.010) J	ND(0.010) J	ND(0.010)	ND(0.010)
Chlorobenzene	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)
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	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	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	0.000021 J	ND(0.000065)	ND(0.000065)	0.00013
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.000021 J	ND(0.000065)	ND(0.000065)	0.00013
PCBs-Filtered				
Aroclor-1221	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	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000058 J
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000058 J
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
Organochlorine Pesticides				
None Detected	--	--	NA	NA
Organophosphate Pesticides				
None Detected	--	--	NA	NA
Herbicides				
None Detected	--	--	NA	NA
Furans				
2,3,7,8-TCDF	ND(0.0000000013)	ND(0.0000000013)	ND(0.0000000027)	ND(0.0000000057)
TCDFs (total)	ND(0.0000000013)	ND(0.0000000013)	ND(0.0000000027)	ND(0.0000000057)
1,2,3,7,8-PeCDF	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000017)
2,3,4,7,8-PeCDF	ND(0.0000000025)	ND(0.0000000025)	ND(0.00000000064) X	ND(0.0000000018)
PeCDFs (total)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000017)
1,2,3,4,7,8-HxCDF	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000016)
1,2,3,6,7,8-HxCDF	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000016)
1,2,3,7,8,9-HxCDF	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000021)
2,3,4,6,7,8-HxCDF	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000018)
HxCDFs (total)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000016)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000025)	ND(0.0000000025)	0.0000000016 J	0.0000000037
1,2,3,4,7,8,9-HpCDF	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000010)
HpCDFs (total)	ND(0.0000000025)	ND(0.0000000025)	0.0000000016	0.0000000037
OCDF	ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000059)	ND(0.0000000071) X
Dioxins				
2,3,7,8-TCDD	ND(0.0000000016)	ND(0.0000000011)	ND(0.0000000020)	ND(0.000000014)
TCDDs (total)	ND(0.0000000016)	ND(0.0000000011)	ND(0.0000000020)	ND(0.000000014)
1,2,3,7,8-PeCDD	ND(0.0000000025)	ND(0.0000000056)	ND(0.0000000025)	ND(0.0000000027)
PeCDDs (total)	ND(0.0000000025)	ND(0.0000000056)	ND(0.0000000039)	ND(0.0000000027)
1,2,3,4,7,8-HxCDD	ND(0.0000000025)	ND(0.0000000044)	ND(0.0000000025)	ND(0.0000000021)
1,2,3,6,7,8-HxCDD	ND(0.0000000025)	ND(0.0000000040)	ND(0.0000000025)	ND(0.0000000019)
1,2,3,7,8,9-HxCDD	ND(0.0000000025)	ND(0.0000000041)	ND(0.0000000025)	ND(0.0000000019)
HxCDDs (total)	ND(0.0000000026)	ND(0.0000000042)	ND(0.0000000044)	ND(0.0000000019)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000031)	ND(0.0000000040)	ND(0.0000000026)	0.0000000027
HpCDDs (total)	ND(0.0000000048)	ND(0.0000000055)	ND(0.0000000026)	0.0000000027
OCDD	ND(0.000000013)	ND(0.000000013)	ND(0.0000000059)	ND(0.000000033)
Total TEQs (WHO TEFs)	0.0000000037	0.0000000053	0.0000000035	0.0000000098

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 04/18/02	78-6 10/1-10/2/2002	78-6 04/21/03	78-6 10/30/03
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	0.00410 B	ND(0.0600)
Arsenic	ND(0.0100)	0.0250	ND(0.0100)	ND(0.0100) J
Barium	ND(0.200)	0.119 B	0.0910 B	0.0310 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(0.010)
Cobalt	ND(0.0500)	ND(0.0500)	0.00240 B	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)	0.00180 B
Cyanide	0.00280 B	ND(0.0100)	0.00360 B	0.00260 B
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200) J	ND(0.000200) J	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	0.00270 B	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200) J	0.00530 B	ND(0.020)	ND(0.020)
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.100)	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Barium	ND(0.200)	0.0887 B	0.0750 B	0.0320 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.0100)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0250)	ND(0.0100)	ND(0.0100)	ND(0.010)
Cobalt	ND(0.0500)	0.00197 B	0.00170 B	ND(0.0500)
Copper	ND(0.100)	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	NA	ND(0.0100)	0.00240 B	0.00260 B
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200) J	0.000370 J	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	0.00280 B	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) J	0.00230 J	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200) J	ND(0.0200)	0.00380 B	ND(0.020)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 04/27/04	78-6 10/01/04	GMA4-4 04/21/03	GMA4-4 11/12/03	H78B-15 06/16/99
Volatile Organics					
Acetone	ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	0.0020 J	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(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.010)
Total VOCs	0.0020 J	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered					
Aroclor-1221	NA	NA	ND(0.000065)	ND(0.000065)	ND(0.000050)
Aroclor-1248	NA	NA	ND(0.000065)	ND(0.000065)	ND(0.000050)
Aroclor-1254	NA	NA	0.000024 J	0.000039 J	0.000035 J
Aroclor-1260	NA	NA	ND(0.000065)	ND(0.000065)	ND(0.000050)
Total PCBs	NA	NA	0.000024 J	0.000039 J	0.000035 J
PCBs-Filtered					
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA
Aroclor-1254	ND(0.000065)	0.000022 J	0.000028 J	0.000030 J	NA
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA
Total PCBs	ND(0.000065)	0.000022 J	0.000028 J	0.000030 J	NA
Semivolatile Organics					
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.010)
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(0.00000000098)	ND(0.0000000013)	ND(0.0000000021)	ND(0.0000000023)	ND(0.0000000015)
TCDFs (total)	ND(0.00000000098)	ND(0.0000000059)	ND(0.0000000021)	ND(0.0000000023)	ND(0.0000000015)
1,2,3,7,8-PeCDF	ND(0.00000000087)	ND(0.0000000018)	ND(0.0000000025)	0.0000000016 J	ND(0.0000000036)
2,3,4,7,8-PeCDF	ND(0.00000000074)	ND(0.0000000018)	ND(0.0000000025)	ND(0.0000000012)	ND(0.0000000034)
PeCDFs (total)	ND(0.0000000016)	ND(0.0000000024)	ND(0.0000000025)	ND(0.0000000028)	ND(0.0000000036)
1,2,3,4,7,8-HxCDF	ND(0.0000000024)	ND(0.0000000018)	ND(0.0000000025)	ND(0.0000000012)	ND(0.0000000017)
1,2,3,6,7,8-HxCDF	ND(0.0000000024)	ND(0.0000000017)	ND(0.0000000025)	ND(0.0000000016)	ND(0.0000000017)
1,2,3,7,8,9-HxCDF	ND(0.0000000026)	ND(0.0000000021)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000023)
2,3,4,6,7,8-HxCDF	ND(0.0000000024)	ND(0.0000000019)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000018)
HxCDFs (total)	ND(0.0000000024)	ND(0.0000000021)	ND(0.0000000025)	ND(0.0000000028)	ND(0.0000000023)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000010)	ND(0.0000000016)	ND(0.0000000025)	ND(0.0000000037)	ND(0.000000032)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000025)	ND(0.0000000020)	ND(0.0000000032)	ND(0.0000000048)	ND(0.000000015)
HpCDFs (total)	ND(0.0000000010)	ND(0.0000000020)	ND(0.0000000027)	ND(0.0000000042)	ND(0.000000032)
OCDF	ND(0.0000000057)	ND(0.0000000026)	ND(0.0000000050)	ND(0.000000012)	ND(0.0000000076)
Dioxins					
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000016)	ND(0.0000000019)	ND(0.0000000035)	ND(0.0000000035)
TCDDs (total)	ND(0.0000000024)	ND(0.0000000016)	ND(0.0000000027)	ND(0.0000000035)	ND(0.0000000035)
1,2,3,7,8-PeCDD	ND(0.0000000024)	ND(0.0000000028)	ND(0.0000000025)	ND(0.0000000023)	ND(0.0000000071)
PeCDDs (total)	ND(0.0000000033)	ND(0.0000000028)	ND(0.0000000036)	ND(0.0000000023)	ND(0.0000000071)
1,2,3,4,7,8-HxCDD	ND(0.0000000045)	ND(0.0000000025)	ND(0.0000000029)	ND(0.0000000040)	ND(0.0000000056)
1,2,3,6,7,8-HxCDD	ND(0.0000000040)	ND(0.0000000022)	ND(0.0000000026)	ND(0.0000000039)	ND(0.0000000070)
1,2,3,7,8,9-HxCDD	ND(0.0000000043)	ND(0.0000000023)	ND(0.0000000028)	ND(0.0000000040)	ND(0.0000000062)
HxCDDs (total)	ND(0.0000000042)	ND(0.0000000025)	ND(0.0000000040)	ND(0.0000000039)	ND(0.0000000070)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000036)	ND(0.0000000027)	ND(0.0000000030)	ND(0.0000000054)	ND(0.000000011)
HpCDDs (total)	ND(0.0000000036)	ND(0.0000000027)	ND(0.0000000030)	ND(0.0000000054)	ND(0.000000011)
OCDD	0.0000000052 J	ND(0.0000000051)	ND(0.0000000086)	ND(0.000000028)	ND(0.0000000090)
Total TEQs (WHO TEFs)	0.0000000032	0.0000000035	0.0000000040	0.0000000045	0.0000000079

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	78-6 04/27/04	78-6 10/01/04	GMA4-4 04/21/03	GMA4-4 11/12/03	H78B-15 06/16/99
Inorganics-Unfiltered					
Antimony	NA	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	NA	ND(0.0100)	ND(0.0100)	ND(0.00600)
Barium	NA	NA	0.0160 B	0.00980 B	0.0570
Beryllium	NA	NA	ND(0.00100)	ND(0.00100)	ND(0.00600)
Cadmium	NA	NA	ND(0.00500)	ND(0.00500)	ND(0.00600) J
Chromium	NA	NA	ND(0.0100)	ND(0.010)	ND(0.0130)
Cobalt	NA	NA	ND(0.0500)	ND(0.0500)	ND(0.0600)
Copper	NA	NA	ND(0.0250)	ND(0.0250)	ND(0.0330)
Cyanide	NA	NA	ND(0.0100)	0.00270 B	ND(0.0200)
Lead	NA	NA	ND(0.00300)	ND(0.00300)	ND(0.130) J
Mercury	NA	NA	ND(0.000200)	ND(0.000200)	ND(0.000500)
Nickel	NA	NA	ND(0.0400)	ND(0.0400)	ND(0.0600)
Selenium	NA	NA	ND(0.00500)	ND(0.00500)	ND(0.00600)
Silver	NA	NA	ND(0.00500)	ND(0.00500)	ND(0.0130)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	NA	NA	ND(0.0100) J	ND(0.0100)	ND(0.0130)
Vanadium	NA	NA	ND(0.0500)	ND(0.0500)	ND(0.0600)
Zinc	NA	NA	ND(0.025)	ND(0.020)	0.0830
Inorganics-Filtered					
Antimony	0.00820 B	ND(0.0600)	ND(0.0600)	ND(0.0600)	NA
Arsenic	ND(0.0100)	0.00590 B	ND(0.0100)	ND(0.0100)	NA
Barium	0.0390 B	0.0550 B	0.0160 B	0.0120 B	NA
Beryllium	0.000310 B	ND(0.00100)	ND(0.00100)	ND(0.00100)	NA
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)	ND(0.0250)	NA
Cyanide	0.00630 B	ND(0.0100)	ND(0.0100)	0.00280 B	NA
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)	ND(0.00300)	NA
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)	NA
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)	NA
Selenium	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Silver	ND(0.00500)	0.00110 B	ND(0.00500)	ND(0.00500)	NA
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100)	NA
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Zinc	0.00250 B	ND(0.0200)	0.00140 B	ND(0.0200) J	NA

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 05/03/01	H78B-15 11/1-11/26/01	H78B-15 04/18/02	H78B-15 10/01/02
Volatile Organics				
Acetone	ND(0.010)	ND(0.010) J	ND(0.010) J	ND(0.010) J
Chlorobenzene	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)
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	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.0097
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.0025)
Aroclor-1254	ND(0.000065)	ND(0.000065)	0.000020 J	ND(0.0025)
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.0025)
Total PCBs	ND(0.000065)	ND(0.000065)	0.000020 J	0.0097
PCBs-Filtered				
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.0084
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.0025)
Aroclor-1254	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.0025)
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.0025)
Total PCBs	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.0084
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
Organochlorine Pesticides				
None Detected	NA	NA	--	--
Organophosphate Pesticides				
None Detected	NA	NA	--	--
Herbicides				
None Detected	NA	NA	--	--
Furans				
2,3,7,8-TCDF	ND(0.00000000040)	ND(0.0000000000016)	ND(0.0000000011)	ND(0.0000000023)
TCDFs (total)	ND(0.0000000012)	ND(0.0000000000016)	ND(0.0000000011)	ND(0.0000000023)
1,2,3,7,8-PeCDF	ND(0.00000000038)	ND(0.00000000000090)	ND(0.0000000025)	ND(0.0000000025)
2,3,4,7,8-PeCDF	ND(0.00000000055) XB	ND(0.00000000000090)	ND(0.0000000025)	ND(0.0000000025)
PeCDFs (total)	ND(0.0000000013)	ND(0.00000000000090)	ND(0.0000000025)	0.0000000046
1,2,3,4,7,8-HxCDF	ND(0.0000000015) XB	ND(0.00000000000080) X	ND(0.0000000025)	ND(0.0000000025)
1,2,3,6,7,8-HxCDF	ND(0.00000000040)	ND(0.00000000000080) X	ND(0.0000000025)	ND(0.0000000025)
1,2,3,7,8,9-HxCDF	ND(0.00000000050)	ND(0.00000000000090)	ND(0.0000000025)	ND(0.0000000025)
2,3,4,6,7,8-HxCDF	ND(0.00000000040)	ND(0.00000000000080)	ND(0.0000000025)	ND(0.0000000025)
HxCDFs (total)	ND(0.00000000058)	0.0000000000023	ND(0.0000000025)	0.0000000024
1,2,3,4,6,7,8-HpCDF	ND(0.00000000060)	0.0000000000032 J	ND(0.0000000025)	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF	ND(0.00000000086) XB	ND(0.0000000000021)	ND(0.0000000025)	ND(0.0000000031)
HpCDFs (total)	ND(0.00000000086) X	0.0000000000032	ND(0.0000000025)	ND(0.0000000050)
OCDF	ND(0.0000000026)	ND(0.0000000000037) X	0.0000000028 J	ND(0.0000000050)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000017) XB	ND(0.0000000000010)	ND(0.0000000022)	ND(0.0000000024)
TCDDs (total)	ND(0.0000000031) X	ND(0.0000000000010)	ND(0.0000000022)	ND(0.0000000024)
1,2,3,7,8-PeCDD	ND(0.00000000060)	ND(0.00000000000090)	ND(0.0000000025)	ND(0.0000000025)
PeCDDs (total)	ND(0.0000000018) X	ND(0.0000000000018)	ND(0.0000000025)	ND(0.0000000039)
1,2,3,4,7,8-HxCDD	ND(0.00000000080)	ND(0.0000000000012)	ND(0.0000000025)	ND(0.0000000034)
1,2,3,6,7,8-HxCDD	ND(0.0000000012)	ND(0.0000000000011)	ND(0.0000000025)	ND(0.0000000032)
1,2,3,7,8,9-HxCDD	ND(0.00000000095) XB	ND(0.0000000000011)	ND(0.0000000025)	ND(0.0000000032)
HxCDDs (total)	0.0000000032	0.0000000000022	ND(0.0000000025)	ND(0.0000000048)
1,2,3,4,6,7,8-HpCDD	0.0000000052 JB	ND(0.0000000000039) X	ND(0.0000000028)	ND(0.0000000035)
HpCDDs (total)	ND(0.0000000052)	0.0000000000028	ND(0.0000000028)	ND(0.0000000035)
OCDD	ND(0.0000000077)	0.000000000026 J	ND(0.000000028)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000000017	0.0000000000017	0.0000000040	0.0000000043

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 05/03/01	H78B-15 11/1-11/26/01	H78B-15 04/18/02	H78B-15 10/01/02
Inorganics-Unfiltered				
Antimony	0.00290 J	0.00990 B	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	0.0200	ND(0.0100)	ND(0.0100)
Barium	0.00430 B	0.150 B	ND(0.200)	0.0145 B
Beryllium	ND(0.00100)	0.000930 B	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	0.00250 B	ND(0.00500)	ND(0.00500)
Chromium	0.00290 B	0.0430	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500)	0.0310 B	ND(0.0500)	ND(0.0500)
Copper	0.00910 B	0.0810	ND(0.0250)	0.00842 B
Cyanide	ND(0.0100)	ND(0.0100)	0.0120	ND(0.0100)
Lead	ND(0.00500) J	0.0310	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200) J	ND(0.000200) J
Nickel	ND(0.0400)	0.0560	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	14.0
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500)	0.0330 B	ND(0.0500)	ND(0.0500)
Zinc	0.0110 J	0.220	ND(0.0200) J	0.0210
Inorganics-Filtered				
Antimony	ND(0.0100) J	0.00910 B	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.100)	ND(0.0100)
Barium	0.00460 B	0.0700 B	ND(0.200)	0.0154 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	0.000880 B	ND(0.0100)	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0250)	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	0.00610 B	ND(0.0250)	ND(0.100)	0.00737 B
Cyanide	NA	NA	NA	ND(0.0100)
Lead	ND(0.00500) J	ND(0.00500) J	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200) J	ND(0.000200) J
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.0180 J	ND(0.0200)	ND(0.0200) J	ND(0.0200)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 04/22/03	H78B-15 11/11/03	H78B-15 04/29/04	H78B-15 10/04/04
Volatile Organics				
Acetone	ND(0.010)	ND(0.010) J	ND(0.010) J	ND(0.010) J
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	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)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	0.0016 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1248	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1254	ND(0.000065)	0.000039 J	NA	NA
Aroclor-1260	ND(0.000065)	ND(0.000065)	NA	NA
Total PCBs	ND(0.000065)	0.000039 J	NA	NA
PCBs-Filtered				
Aroclor-1221	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	ND(0.000065)	0.000024 J	ND(0.000065)	0.000035 J
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065)	0.000024 J	ND(0.000065)	0.000035 J
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
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(0.0000000050)	ND(0.0000000022)	ND(0.00000000041)	ND(0.0000000026)
TCDFs (total)	0.000000020	ND(0.0000000022)	ND(0.00000000041)	ND(0.0000000026)
1,2,3,7,8-PeCDF	ND(0.0000000059)	0.0000000017 J	ND(0.00000000051)	ND(0.0000000010)
2,3,4,7,8-PeCDF	ND(0.0000000059)	0.0000000016 J	ND(0.00000000052)	ND(0.0000000010)
PeCDFs (total)	0.000000038	ND(0.0000000054)	ND(0.00000000052)	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	ND(0.0000000038)	ND(0.0000000066)	ND(0.00000000021)	ND(0.00000000085)
1,2,3,6,7,8-HxCDF	ND(0.0000000034)	0.0000000016 J	ND(0.00000000020)	ND(0.00000000071)
1,2,3,7,8,9-HxCDF	ND(0.0000000045)	ND(0.0000000014) X	ND(0.00000000030)	ND(0.00000000092)
2,3,4,6,7,8-HxCDF	ND(0.0000000037)	0.0000000011 J	ND(0.00000000022)	ND(0.00000000082)
HxCDFs (total)	ND(0.0000000038)	ND(0.000000017)	ND(0.00000000030)	ND(0.00000000092)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000020) X	0.0000000015 J	ND(0.00000000026)	ND(0.00000000054)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000041)	ND(0.0000000025)	ND(0.00000000034)	ND(0.00000000064)
HpCDFs (total)	ND(0.0000000035)	0.0000000015	ND(0.00000000034)	ND(0.00000000064)
OCDF	ND(0.0000000095)	ND(0.0000000060)	ND(0.00000000094)	ND(0.0000000027)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000035)	ND(0.0000000029)	ND(0.00000000047)	ND(0.0000000011)
TCDDs (total)	ND(0.0000000035)	ND(0.0000000029)	ND(0.00000000047)	ND(0.0000000011)
1,2,3,7,8-PeCDD	ND(0.0000000051)	0.0000000015 J	ND(0.00000000099)	ND(0.0000000025)
PeCDDs (total)	0.0000000051 Q	0.0000000015	ND(0.00000000099)	ND(0.0000000025)
1,2,3,4,7,8-HxCDD	ND(0.0000000046)	0.0000000014 J	ND(0.00000000054)	ND(0.0000000011)
1,2,3,6,7,8-HxCDD	ND(0.0000000042)	0.0000000016 J	ND(0.00000000050)	ND(0.00000000087)
1,2,3,7,8,9-HxCDD	ND(0.0000000046)	ND(0.0000000021) X	ND(0.00000000054)	ND(0.00000000091)
HxCDDs (total)	ND(0.0000000044)	0.0000000029	ND(0.00000000054)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	0.0000000039 J	ND(0.0000000033)	ND(0.00000000049)	ND(0.0000000013)
HpCDDs (total)	0.0000000039	ND(0.0000000033)	ND(0.00000000049)	ND(0.0000000013)
OCDD	0.0000000078 J	ND(0.0000000072) X	ND(0.00000000059)	ND(0.0000000028)
Total TEQs (WHO TEFs)	0.0000000077	0.0000000051	0.0000000010	0.0000000025

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	H78B-15 04/22/03	H78B-15 11/11/03	H78B-15 04/29/04	H78B-15 10/04/04
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	NA	NA
Arsenic	ND(0.0100)	ND(0.0100)	NA	NA
Barium	0.0100 B	0.0240 B	NA	NA
Beryllium	ND(0.00100)	ND(0.00500)	NA	NA
Cadmium	ND(0.00500)	ND(0.00500)	NA	NA
Chromium	ND(0.0100)	ND(0.010)	NA	NA
Cobalt	ND(0.0500)	ND(0.0500)	NA	NA
Copper	0.00680 J	ND(0.0250)	NA	NA
Cyanide	ND(0.0100)	0.00370 B	NA	NA
Lead	ND(0.00300) J	ND(0.00300)	NA	NA
Mercury	ND(0.000200)	ND(0.000200)	NA	NA
Nickel	0.00360 B	ND(0.0400)	NA	NA
Selenium	ND(0.00500) J	ND(0.00500)	NA	NA
Silver	ND(0.00500)	ND(0.00500)	NA	NA
Sulfide	6.40	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100) J	ND(0.0100)	NA	NA
Vanadium	ND(0.0500)	ND(0.0500)	NA	NA
Zinc	0.0160 J	ND(0.020)	NA	NA
Inorganics-Filtered				
Antimony	0.0100 J	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0120 B	0.0260 B	0.0270 B	0.00800 B
Beryllium	ND(0.00100) J	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	0.00260 J	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500) J	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	0.00250 B	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	0.00210 B	ND(0.0100)
Lead	ND(0.00300) J	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	0.00210 B
Selenium	ND(0.00500) J	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	0.00140 B	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	0.00840 J	ND(0.0100)	ND(0.0100)	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200) J	ND(0.020)	0.00360 B	0.00200 B

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NY-4 06/14/99	NY-4 04/30/01	NY-4 11/21-11/26/01	NY-4 04/22/02	NY-4 10/03/02
Volatile Organics					
Acetone	ND(0.10)	ND(0.010)	ND(0.010) J	ND(0.010) J	ND(0.010)
Chlorobenzene	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(0.00010)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.00010)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	0.00012	0.00023	0.00016	0.000069	ND(0.000065)
Aroclor-1260	ND(0.00010)	0.000080	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.00012	0.00031	0.00016	0.000069	ND(0.000065)
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	0.00011	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	0.00011	ND(0.000065)	ND(0.000065)	ND(0.000065)
Semivolatile Organics					
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)	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(0.0000000020)	ND(0.0000000011)	ND(0.00000000000050)	ND(0.0000000014)	ND(0.0000000012)
TCDFs (total)	ND(0.0000000020)	ND(0.000000018) X	ND(0.00000000000050)	ND(0.0000000014)	ND(0.0000000012)
1,2,3,7,8-PeCDF	ND(0.0000000074)	ND(0.000000012)	ND(0.0000000000014)	0.00000000086 J	ND(0.0000000025)
2,3,4,7,8-PeCDF	ND(0.0000000069)	0.0000000034 J	0.0000000000011 J	0.0000000010 J	ND(0.0000000025)
PeCDFs (total)	ND(0.0000000074)	0.000000044	ND(0.0000000000024)	ND(0.0000000024)	ND(0.0000000025)
1,2,3,4,7,8-HxCDF	ND(0.000000021)	ND(0.000000013)	ND(0.0000000000027)	ND(0.0000000024)	ND(0.0000000025)
1,2,3,6,7,8-HxCDF	ND(0.000000022)	ND(0.0000000032)	ND(0.0000000000024)	ND(0.0000000024)	ND(0.0000000025)
1,2,3,7,8,9-HxCDF	ND(0.000000021)	ND(0.0000000010)	ND(0.0000000000031)	ND(0.0000000024)	ND(0.0000000025)
2,3,4,6,7,8-HxCDF	ND(0.000000023)	ND(0.0000000017)	ND(0.0000000000027)	ND(0.0000000024)	ND(0.0000000025)
HxCDFs (total)	ND(0.000000023)	ND(0.000000027)	ND(0.0000000000027)	ND(0.0000000024)	ND(0.0000000025)
1,2,3,4,6,7,8-HpCDF	ND(0.000000054)	ND(0.0000000066)	0.0000000000038 J	ND(0.0000000015)	ND(0.0000000025)
1,2,3,4,7,8,9-HpCDF	ND(0.000000054)	0.0000000034 JB	ND(0.0000000000040)	ND(0.0000000024)	ND(0.0000000025)
HpCDFs (total)	ND(0.000000054)	ND(0.000000014)	0.0000000000092	ND(0.0000000027)	ND(0.0000000025)
OCDF	ND(0.000000067)	0.000000023 J	ND(0.000000000016)	ND(0.0000000058)	ND(0.0000000049)
Dioxins					
2,3,7,8-TCDD	ND(0.0000000030)	0.000000017	ND(0.00000000000070)	ND(0.0000000023)	ND(0.0000000012)
TCDDs (total)	ND(0.0000000030)	0.000000017	ND(0.0000000000014)	ND(0.0000000023)	ND(0.0000000017)
1,2,3,7,8-PeCDD	ND(0.000000031)	ND(0.0000000018)	ND(0.00000000000070)	ND(0.0000000024)	ND(0.0000000025)
PeCDDs (total)	ND(0.000000031)	ND(0.0000000093)	ND(0.0000000000010)	ND(0.0000000024)	ND(0.0000000025)
1,2,3,4,7,8-HxCDD	ND(0.000000032)	ND(0.0000000016)	ND(0.0000000000049)	ND(0.0000000024)	ND(0.0000000025)
1,2,3,6,7,8-HxCDD	ND(0.000000040)	ND(0.000000017)	ND(0.0000000000044)	ND(0.0000000024)	ND(0.0000000025)
1,2,3,7,8,9-HxCDD	ND(0.000000036)	ND(0.000000012)	ND(0.0000000000045)	ND(0.0000000024)	ND(0.0000000025)
HxCDDs (total)	ND(0.000000040)	ND(0.000000062)	ND(0.0000000000046)	ND(0.0000000024)	ND(0.0000000032)
1,2,3,4,6,7,8-HpCDD	ND(0.000000082)	0.000000084 B	ND(0.0000000000095)	0.0000000042 J	ND(0.0000000027) X
HpCDDs (total)	ND(0.000000082)	0.00000012	ND(0.0000000000095)	0.0000000042	ND(0.0000000025)
OCDD	ND(0.000000084)	ND(0.000000048)	ND(0.000000000077)	ND(0.000000022)	ND(0.000000011)
Total TEQs (WHO TEFs)	0.000000029	0.000000023	0.0000000000027	0.0000000039	0.0000000035

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NY-4 06/14/99	NY-4 04/30/01	NY-4 11/21-11/26/01	NY-4 04/22/02	NY-4 10/03/02
Inorganics-Unfiltered					
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.00600)	0.00450 B	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0200	0.0300 B	0.0590 B	ND(0.200)	0.0370 B
Beryllium	ND(0.00600)	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00600)	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500) J
Chromium	ND(0.0130)	0.00460 B	0.110	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0600)	ND(0.0500)	0.00790 B	ND(0.0500)	ND(0.0500)
Copper	ND(0.0330)	0.0100 B	0.0180 B	ND(0.0250)	0.00490 B
Cyanide	ND(0.0200)	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.130) J	ND(0.00500)	0.0066 J	ND(0.00300)	0.00580
Mercury	ND(0.000500)	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200) J
Nickel	ND(0.0600)	ND(0.0400)	0.0770	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00600) J	0.0080 J	ND(0.00500)	ND(0.00500)	ND(0.00500) J
Silver	ND(0.0130)	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0130)	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Vanadium	ND(0.0600)	ND(0.0500)	0.00840 B	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0260)	0.0350	0.0620	ND(0.0200)	0.00890 J
Inorganics-Filtered					
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)	0.00610 B
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.100)	ND(0.0100)
Barium	NA	0.0170 B	0.0180 B	ND(0.200)	0.0210 B
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500)	ND(0.00500)	ND(0.0100)	ND(0.00500) J
Chromium	NA	ND(0.0100)	ND(0.0100)	ND(0.0250)	ND(0.0100)
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	0.00410 B	ND(0.0250)	ND(0.100)	ND(0.0250)
Cyanide	NA	NA	NA	NA	ND(0.0100)
Lead	NA	ND(0.00500)	ND(0.00500) J	ND(0.00300)	ND(0.00300)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200)	0.000170 J
Nickel	NA	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	NA	0.0075 J	ND(0.00500)	ND(0.00500)	ND(0.00500) J
Silver	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) J
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0180 B	ND(0.028)	ND(0.0200)	ND(0.0200) J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/31/01	OPCA-MW-1 04/19/02
Volatile Organics				
Acetone	ND(0.10)	ND(0.010)	ND(0.010)	ND(0.010) J
Chlorobenzene	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)
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)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	ND(0.000050)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000050)	ND(0.000065)	ND(0.000065)	0.00053
Aroclor-1254	0.000054	ND(0.000065)	0.00013	0.00025
Aroclor-1260	ND(0.000050)	ND(0.000065)	0.000088	ND(0.000065)
Total PCBs	0.000054	ND(0.000065)	0.000218	0.00078
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)	0.000029 J	0.00016
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	0.000029 J	0.00016
Semivolatile Organics				
Acenaphthene	ND(0.012)	ND(0.010)	ND(0.010)	ND(0.010)
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)	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(0.0000000011)	ND(0.0000000013)	0.0000000014 J	ND(0.0000000013)
TCDFs (total)	0.0000000090 J	ND(0.0000000013)	0.0000000058	0.0000000024
1,2,3,7,8-PeCDF	ND(0.0000000025)	ND0.0000000037)	ND(0.0000000000033)	0.00000000096 J
2,3,4,7,8-PeCDF	ND(0.0000000024)	ND(0.0000000015)	ND(0.0000000000035)	0.0000000015 J
PeCDFs (total)	ND(0.0000000025)	ND(0.0000000037)	ND(0.000000000022)	0.0000000056
1,2,3,4,7,8-HxCDF	ND(0.0000000011)	ND(0.0000000025)	0.0000000052 J	0.0000000016 J
1,2,3,6,7,8-HxCDF	ND(0.0000000011)	ND(0.0000000015)	0.0000000041 J	0.0000000014 J
1,2,3,7,8,9-HxCDF	ND(0.0000000016)	ND(0.0000000021)	ND(0.0000000000031)	ND(0.0000000025)
2,3,4,6,7,8-HxCDF	ND(0.0000000012)	ND(0.00000000090)	ND(0.0000000000038)	ND(0.0000000025)
HxCDFs (total)	ND(0.0000000016)	ND(0.0000000046)	ND(0.000000000034)	0.0000000053
1,2,3,4,6,7,8-HpCDF	ND(0.0000000073)	ND(0.0000000025)	ND(0.0000000000054)	0.0000000024 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000000090)	ND(0.0000000015)	0.0000000026 J	ND(0.0000000025)
HpCDFs (total)	0.0000000078 J	ND(0.0000000025)	0.000000012	0.0000000061
OCDF	ND(0.0000000037)	ND(0.0000000046)	0.0000000069 J	0.0000000051 J
Dioxins				
2,3,7,8-TCDD	ND(0.0000000012)	ND(0.0000000018)	ND(0.0000000022) X	ND(0.0000000020)
TCDDs (total)	ND(0.0000000012)	ND(0.0000000018)	ND(0.00000000040)	ND(0.0000000020)
1,2,3,7,8-PeCDD	ND(0.0000000046)	ND(0.0000000015)	ND(0.0000000037) X	ND(0.0000000025)
PeCDDs (total)	ND(0.0000000046)	ND(0.0000000015)	ND(0.0000000022)	ND(0.0000000025)
1,2,3,4,7,8-HxCDD	ND(0.0000000034)	ND(0.0000000012)	0.0000000022 J	ND(0.0000000025)
1,2,3,6,7,8-HxCDD	ND(0.0000000042)	ND(0.0000000013)	ND(0.0000000020) X	ND(0.0000000025)
1,2,3,7,8,9-HxCDD	ND(0.0000000038)	ND(0.0000000012)	ND(0.0000000000021)	ND(0.0000000025)
HxCDDs (total)	ND(0.0000000042)	ND(0.0000000025)	ND(0.0000000000092)	ND(0.0000000025)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000070)	ND(0.0000000045)	0.0000000064 J	ND(0.0000000061)
HpCDDs (total)	ND(0.0000000070)	ND(0.0000000045)	0.000000012	ND(0.000000012)
OCDD	ND(0.0000000044)	ND(0.000000029)	ND(0.000000000060)	ND(0.000000049)
Total TEQs (WHO TEFs)	0.0000000046	0.0000000028	0.0000000044	0.0000000041

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/31/01	OPCA-MW-1 04/19/02
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.00600)	0.00450 B	ND(0.0100)	ND(0.0100)
Barium	0.0620	0.0240 B	0.0240 B	ND(0.200)
Beryllium	ND(0.00600)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00600) J	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0130)	ND(0.025) J	0.00470 B	ND(0.0100)
Cobalt	ND(0.0600)	0.000350 B	ND(0.0500)	ND(0.0500)
Copper	ND(0.0330)	ND(0.0250)	0.00660 B	ND(0.0250)
Cyanide	ND(0.0200)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.130) J	ND(0.0050) J	ND(0.00500) J	ND(0.00300)
Mercury	ND(0.000500)	ND(0.000200)	ND(0.000200)	ND(0.000200) J
Nickel	ND(0.0600)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00600)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	ND(0.0130)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0130)	ND(0.010) J	ND(0.0100)	ND(0.0100) J
Vanadium	ND(0.0600)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0260)	0.028 J	0.0210 J	ND(0.0200) J
Inorganics-Filtered				
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.100)
Barium	NA	0.0230 B	0.0220 B	ND(0.200)
Beryllium	NA	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00500)	ND(0.00500)	ND(0.0100)
Chromium	NA	ND(0.025) J	ND(0.0100)	ND(0.0250)
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	0.00420 B	ND(0.0250)	ND(0.100)
Cyanide	NA	NA	NA	NA
Lead	NA	ND(0.0050) J	ND(0.00500) J	ND(0.00300)
Mercury	NA	ND(0.000200)	ND(0.000200)	ND(0.000200) J
Nickel	NA	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Silver	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	NA	ND(0.010) J	ND(0.0100)	ND(0.0100) J
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.028 J	0.0180 BJ	ND(0.0200) J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/03/02	OPCA-MW-1 04/22/03	OPCA-MW-1 11/11/03	OPCA-MW-1 04/28/04
Volatile Organics				
Acetone	ND(0.010)	ND(0.010)	ND(0.010) J	ND(0.010) J
Chlorobenzene	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)
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	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA
Aroclor-1254	0.00011	0.00054	0.0012	NA
Aroclor-1260	ND(0.000065)	0.000083	ND(0.000065)	NA
Total PCBs	0.00011	0.000623	0.0012	NA
PCBs-Filtered				
Aroclor-1221	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	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.00037
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.00037
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
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(0.0000000052) X	ND(0.0000000044)	ND(0.0000000028)	ND(0.0000000016)
TCDFs (total)	0.0000000047	0.000000012	ND(0.0000000028)	ND(0.0000000016)
1,2,3,7,8-PeCDF	ND(0.0000000027) X	ND(0.0000000024)	ND(0.0000000016) X	ND(0.0000000021)
2,3,4,7,8-PeCDF	0.0000000037 J	0.0000000016 J	ND(0.0000000016)	ND(0.0000000024)
PeCDFs (total)	ND(0.000000010)	0.000000014 I	ND(0.0000000034)	ND(0.000000011)
1,2,3,4,7,8-HxCDF	0.0000000053 J	0.0000000049 J	ND(0.0000000013)	ND(0.0000000043)
1,2,3,6,7,8-HxCDF	0.0000000031 J	0.0000000024 J	ND(0.0000000016)	ND(0.0000000033)
1,2,3,7,8,9-HxCDF	ND(0.0000000028)	ND(0.0000000031)	ND(0.0000000030)	0.0000000016 J
2,3,4,6,7,8-HxCDF	ND(0.0000000032) X	ND(0.0000000015) X	ND(0.0000000025)	ND(0.0000000017) X
HxCDFs (total)	ND(0.0000000072)	0.000000010	ND(0.0000000040)	ND(0.000000012)
1,2,3,4,6,7,8-HpCDF	0.0000000069 J	0.0000000044 J	ND(0.0000000055) X	0.0000000031 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000000025)	ND(0.0000000044)	ND(0.0000000038)	ND(0.0000000022) X
HpCDFs (total)	0.000000011	0.0000000044	0.0000000035	0.0000000031
OCDF	0.000000011 J	0.0000000096 J	0.0000000079 J	ND(0.0000000044) X
Dioxins				
2,3,7,8-TCDD	ND(0.0000000016)	ND(0.0000000042)	ND(0.0000000044)	ND(0.0000000020)
TCDDs (total)	ND(0.0000000016)	ND(0.0000000042)	ND(0.0000000044)	ND(0.0000000025)
1,2,3,7,8-PeCDD	ND(0.0000000027)	ND(0.0000000032)	ND(0.0000000015)	0.0000000023 J
PeCDDs (total)	ND(0.0000000027)	ND(0.0000000034)	ND(0.0000000015)	0.0000000023
1,2,3,4,7,8-HxCDD	ND(0.0000000054)	ND(0.0000000039)	ND(0.0000000042)	ND(0.0000000039)
1,2,3,6,7,8-HxCDD	ND(0.0000000049)	ND(0.0000000035)	ND(0.0000000041)	0.0000000019 J
1,2,3,7,8,9-HxCDD	ND(0.0000000050)	ND(0.0000000039)	ND(0.0000000042)	0.0000000023 J
HxCDDs (total)	ND(0.0000000051)	ND(0.0000000044)	ND(0.0000000029)	0.0000000042
1,2,3,4,6,7,8-HpCDD	ND(0.0000000088) X	ND(0.0000000030) X	0.0000000056 J	ND(0.0000000025)
HpCDDs (total)	0.000000017	0.0000000022	0.0000000056	ND(0.0000000025)
OCDD	ND(0.000000077)	0.000000018 J	0.000000021 J	ND(0.0000000094)
Total TEQs (WHO TEFs)	0.0000000064	0.0000000064	0.0000000047	0.0000000053

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/03/02	OPCA-MW-1 04/22/03	OPCA-MW-1 11/11/03	OPCA-MW-1 04/28/04
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	NA
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA
Barium	0.0250 B	0.0210 B	0.0180 B	NA
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00500)	NA
Cadmium	0.000470 B	ND(0.00500)	ND(0.00500)	NA
Chromium	ND(0.100)	ND(0.0100)	ND(0.010)	NA
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Copper	ND(0.0250)	0.00550 J	ND(0.0250)	NA
Cyanide	0.00430 B	ND(0.0100)	0.00310 B	NA
Lead	ND(0.00300)	ND(0.00300) J	ND(0.00300)	NA
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)	NA
Nickel	0.00230 B	ND(0.0400)	ND(0.0400)	NA
Selenium	0.00610 J	ND(0.00500) J	ND(0.00500)	NA
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Sulfide	ND(5.00)	20.0	ND(5.00)	ND(5.00)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100)	NA
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Zinc	0.0150 J	0.0170 J	ND(0.020)	NA
Inorganics-Filtered				
Antimony	0.00420 B	ND(0.0600) J	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0230 B	0.0200 B	0.0200 B	0.0190 B
Beryllium	ND(0.00100)	ND(0.00100) J	ND(0.00100)	0.000320 B
Cadmium	0.000510 B	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100)	0.00180 J	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0500) J	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300) J	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500) J	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100)	ND(0.0100)
Vanadium	0.00200 B	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200) J	ND(0.0200) J	ND(0.020)	ND(0.0200)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/01/04	OPCA-MW-2 06/15/99	OPCA-MW-2 05/02/01	OPCA-MW-2 10/31/01
Volatile Organics				
Acetone	ND(0.010)	ND(0.10) [ND(0.10)]	ND(0.010)	ND(0.010)
Chlorobenzene	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(0.0020)	ND(0.010) [ND(0.010)]	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	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)	0.00014
Aroclor-1260	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)	0.00047
Total PCBs	NA	ND(0.000050) [ND(0.000050)]	ND(0.000065)	0.00061
PCBs-Filtered				
Aroclor-1221	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	0.000092	NA	ND(0.000065)	0.00026
Aroclor-1260	ND(0.000065)	NA	ND(0.000065)	0.00067
Total PCBs	0.000092	NA	ND(0.000065)	0.00093
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.010) [ND(0.010)]	ND(0.0060)	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(0.0000000031)	ND(0.00000000080) [ND(0.00000000060)]	ND(0.0000000013)	ND(0.0000000010) X
TCDFs (total)	0.000000015	ND(0.00000000080) [ND(0.00000000060)]	ND(0.0000000013)	0.0000000032
1,2,3,7,8-PeCDF	ND(0.0000000022)	ND(0.0000000038) [ND(0.0000000021)]	ND(0.0000000020)	ND(0.0000000000021)
2,3,4,7,8-PeCDF	ND(0.0000000022)	ND(0.0000000040) [ND(0.0000000023)]	ND(0.0000000020)	ND(0.0000000032) X
PeCDFs (total)	ND(0.0000000054)	ND(0.0000000040) [ND(0.0000000023)]	ND(0.0000000020)	ND(0.000000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000018)	ND(0.000000011) [ND(0.0000000051)]	ND(0.0000000022)	ND(0.0000000000079)
1,2,3,6,7,8-HxCDF	ND(0.0000000017)	ND(0.000000011) [ND(0.0000000052)]	ND(0.0000000010)	ND(0.0000000000042)
1,2,3,7,8,9-HxCDF	ND(0.0000000021)	ND(0.000000017) [ND(0.0000000049)]	ND(0.0000000014)	ND(0.0000000026) X
2,3,4,6,7,8-HxCDF	ND(0.0000000018)	ND(0.000000011) [ND(0.0000000054)]	ND(0.0000000012)	ND(0.0000000024) X
HxCDFs (total)	ND(0.0000000021)	ND(0.000000017) [ND(0.0000000054)]	ND(0.0000000022)	ND(0.000000000016)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000018)	ND(0.000000048) [ND(0.000000011)]	ND(0.0000000018)	ND(0.0000000074) X
1,2,3,4,7,8,9-HpCDF	ND(0.0000000021)	ND(0.000000031) [ND(0.000000013)]	ND(0.0000000022)	0.0000000039 J
HpCDFs (total)	ND(0.0000000021)	ND(0.000000048) [0.000000013 J]	ND(0.0000000020)	0.000000014
OCDF	ND(0.0000000026)	ND(0.000000022) [ND(0.000000010)]	ND(0.0000000043)	0.000000022 J
Dioxins				
2,3,7,8-TCDD	ND(0.0000000016)	ND(0.0000000015) [ND(0.0000000011)]	ND(0.0000000017)	ND(0.0000000021) X
TCDDs (total)	ND(0.0000000016)	ND(0.0000000015) [ND(0.0000000011)]	ND(0.0000000017)	ND(0.0000000015)
1,2,3,7,8-PeCDD	ND(0.0000000027)	ND(0.000000015) [ND(0.0000000076)]	ND(0.0000000018)	ND(0.0000000023) X
PeCDDs (total)	ND(0.0000000027)	ND(0.000000015) [ND(0.0000000076)]	ND(0.0000000018)	ND(0.0000000026)
1,2,3,4,7,8-HxCDD	ND(0.0000000026)	ND(0.000000014) [ND(0.0000000068)]	ND(0.0000000017)	0.0000000014 J
1,2,3,6,7,8-HxCDD	ND(0.0000000024)	ND(0.000000017) [ND(0.0000000085)]	ND(0.0000000017)	ND(0.0000000000018)
1,2,3,7,8,9-HxCDD	ND(0.0000000024)	ND(0.000000015) [ND(0.0000000076)]	ND(0.0000000017)	ND(0.0000000000014)
HxCDDs (total)	ND(0.0000000026)	ND(0.000000017) [ND(0.0000000085)]	ND(0.0000000017)	ND(0.000000000012)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000023)	ND(0.000000036) [ND(0.000000013)]	ND(0.0000000031)	0.0000000062 J
HpCDDs (total)	ND(0.0000000023)	ND(0.000000036) [ND(0.000000013)]	ND(0.0000000031)	0.000000011
OCDD	ND(0.0000000044)	ND(0.000000033) [ND(0.000000015)]	ND(0.000000012)	ND(0.000000000049)
Total TEQs (WHO TEFs)	0.0000000037	0.000000015 [0.0000000074]	0.0000000029	0.0000000036

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 10/01/04	OPCA-MW-2 06/15/99	OPCA-MW-2 05/02/01	OPCA-MW-2 10/31/01
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600) [ND(0.0600)]	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.00600) [ND(0.00600)]	ND(0.0100)	0.0190
Barium	NA	0.0320 [0.0340]	0.0190 B	0.130 B
Beryllium	NA	ND(0.00600) [ND(0.00600)]	ND(0.00100)	0.000820 B
Cadmium	NA	ND(0.00600) [ND(0.00600)]	ND(0.00500)	0.00300 B
Chromium	NA	ND(0.0130) [ND(0.0130)]	ND(0.025) J	0.0510
Cobalt	NA	ND(0.0600) [ND(0.0600)]	ND(0.0500)	0.0180 B
Copper	NA	ND(0.0330) [ND(0.0330)]	ND(0.0250)	0.0510
Cyanide	NA	ND(0.0200) [ND(0.0200)]	ND(0.0100)	ND(0.0100)
Lead	NA	ND(0.130) J [ND(0.130) J]	ND(0.0050) J	0.0180
Mercury	NA	ND(0.000500) [ND(0.000500)]	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0600) [ND(0.0600)]	ND(0.0400)	0.0360 B
Selenium	NA	ND(0.00600) J [ND(0.00600) J]	0.00890	ND(0.00500)
Silver	NA	ND(0.0130) [ND(0.0130)]	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00) [ND(5.00)]	ND(5.00)	ND(5.00)
Thallium	NA	ND(0.0130) [ND(0.0130)]	ND(0.010) J	ND(0.0100)
Vanadium	NA	ND(0.0600) [ND(0.0600)]	ND(0.0500)	0.0380 B
Zinc	NA	ND(0.0260) [ND(0.0260)]	0.016 BJ	0.150
Inorganics-Filtered				
Antimony	ND(0.0600)	NA	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Barium	0.0170 B	NA	0.0180 B	0.0200 B
Beryllium	ND(0.00100)	NA	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100)	NA	ND(0.025) J	ND(0.0100)
Cobalt	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	NA	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0100)	NA	NA	NA
Lead	ND(0.00300)	NA	ND(0.0050) J	ND(0.00500) J
Mercury	ND(0.000200)	NA	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	NA	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	NA	ND(0.010) J	ND(0.0100)
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc	0.00180 B	NA	0.020 BJ	0.0140 B

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/22/02	OPCA-MW-2 10/03/02	OPCA-MW-2 04/24/03	OPCA-MW-2 11/12/03
Volatile Organics				
Acetone	ND(0.010) J [ND(0.010) J]	ND(0.010)	ND(0.010)	ND(0.010)
Chlorobenzene	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(0.0020) [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(0.000065) [ND(0.000065)]	ND(0.000080)	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065) [ND(0.000065)]	ND(0.000080)	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.000065) [ND(0.000065)]	0.000033 J	0.00010	0.00011
Aroclor-1260	ND(0.000065) [0.000022 J]	ND(0.000080)	0.000050 J	ND(0.000065)
Total PCBs	ND(0.000065) [0.000022 J]	0.000033 J	0.00015	0.00011
PCBs-Filtered				
Aroclor-1221	ND(0.000065) [ND(0.000065)]	ND(0.000080)	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065) [ND(0.000065)]	ND(0.000080)	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.000065) [ND(0.000065)]	0.00016	0.000082	ND(0.000065)
Aroclor-1260	ND(0.000065) [ND(0.000065)]	ND(0.000080)	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065) [ND(0.000065)]	0.00016	0.000082	ND(0.000065)
Semivolatile Organics				
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060) [ND(0.0060)]	ND(0.0060)	ND(0.0060) J	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
Organophosphate Pesticides				
None Detected	--	--	NA	NA
Herbicides				
None Detected	--	--	NA	NA
Furans				
2,3,7,8-TCDF	ND(0.0000000015) [ND(0.0000000016)]	ND(0.0000000014)	ND(0.0000000034)	ND(0.0000000018)
TCDFs (total)	ND(0.0000000015) [0.0000000015]	ND(0.0000000014)	ND(0.0000000034)	ND(0.0000000018)
1,2,3,7,8-PeCDF	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000043)	0.0000000022 J
2,3,4,7,8-PeCDF	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000042)	ND(0.0000000014) X
PeCDFs (total)	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	0.0000000045	ND(0.0000000022)
1,2,3,4,7,8-HxCDF	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000012)	ND(0.0000000071)	ND(0.0000000016)
1,2,3,6,7,8-HxCDF	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000063)	ND(0.0000000021)
1,2,3,7,8,9-HxCDF	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000084)	0.0000000018 J
2,3,4,6,7,8-HxCDF	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000070)	0.0000000017 J
HxCDFs (total)	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000012)	ND(0.0000000071)	ND(0.0000000072)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000050)	ND(0.0000000024) X
1,2,3,4,7,8,9-HpCDF	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000067)	ND(0.0000000025)
HpCDFs (total)	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000057)	ND(0.0000000025)
OCDF	ND(0.0000000029) [ND(0.0000000049)]	ND(0.0000000051)	ND(0.000000014)	ND(0.0000000061) X
Dioxins				
2,3,7,8-TCDD	ND(0.0000000026) [ND(0.0000000026)]	ND(0.0000000014)	ND(0.0000000026)	ND(0.0000000026)
TCDDs (total)	ND(0.0000000026) [ND(0.0000000026)]	ND(0.0000000017)	ND(0.0000000031)	ND(0.0000000026)
1,2,3,7,8-PeCDD	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000050)	ND(0.0000000023)
PeCDDs (total)	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000050)	ND(0.0000000018)
1,2,3,4,7,8-HxCDD	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000078)	ND(0.0000000040)
1,2,3,6,7,8-HxCDD	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000070)	ND(0.0000000039)
1,2,3,7,8,9-HxCDD	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000025)	ND(0.0000000077)	ND(0.0000000040)
HxCDDs (total)	ND(0.0000000025) [ND(0.0000000025)]	ND(0.0000000033)	ND(0.0000000075)	ND(0.0000000040)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000030) X [0.0000000032 J]	ND(0.0000000026) X	ND(0.0000000066)	ND(0.0000000026) X
HpCDDs (total)	ND(0.0000000022) [0.0000000050]	0.0000000013	ND(0.0000000066)	ND(0.0000000037)
OCDD	ND(0.000000014) [ND(0.000000011)]	ND(0.000000013)	ND(0.000000014)	0.0000000086 J
Total TEQs (WHO TEFs)	0.0000000042 [0.0000000043]	0.0000000036	0.0000000078	0.0000000042

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/22/02	OPCA-MW-2 10/03/02	OPCA-MW-2 04/24/03	OPCA-MW-2 11/12/03
Inorganics-Unfiltered				
Antimony	ND(0.0600) [ND(0.0600)]	ND(0.0600)	0.0120 B	ND(0.0600)
Arsenic	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	ND(0.200) [ND(0.200)]	0.0190 B	0.0200 B	0.0200 B
Beryllium	ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500) [ND(0.00500)]	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100) [ND(0.0100)]	ND(0.0100)	0.00320 B	ND(0.0100)
Cobalt	ND(0.0500) [ND(0.0500)]	ND(0.0500)	0.00250 B	ND(0.0500)
Copper	ND(0.0250) [ND(0.0250)]	ND(0.0250)	0.00280 B	ND(0.0250)
Cyanide	ND(0.0100) [ND(0.0100)]	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300) [ND(0.00300)]	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury	ND(0.000200) [ND(0.000200)]	0.000400 J	ND(0.000200) J	ND(0.000200)
Nickel	ND(0.0400) [ND(0.0400)]	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500) [ND(0.00500)]	ND(0.00500) J	ND(0.00500) J	ND(0.00500)
Silver	ND(0.00500) [ND(0.00500)]	ND(0.00500)	0.00180 B	ND(0.00500)
Sulfide	ND(5.00) [ND(5.00)]	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100) [ND(0.0100)]	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500)	0.00300 B	ND(0.0500)
Zinc	ND(0.0200) [ND(0.0200)]	ND(0.0200)	0.0110 J	ND(0.020)
Inorganics-Filtered				
Antimony	ND(0.0600) [ND(0.0600)]	ND(0.0600)	0.00700 B	ND(0.0600)
Arsenic	ND(0.100) [ND(0.100)]	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	ND(0.200) [ND(0.200)]	0.0200 B	0.0190 B	0.0210 B
Beryllium	ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.0100) [ND(0.0100)]	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0250) [ND(0.0250)]	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	ND(0.100) [ND(0.100)]	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300) [ND(0.00300)]	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury	ND(0.000200) [ND(0.000200)]	0.000210 J	ND(0.000200) J	ND(0.000200)
Nickel	ND(0.0400) [ND(0.0400)]	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500) [ND(0.00500)]	ND(0.00500) J	ND(0.00500) J	ND(0.00500)
Silver	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) [ND(0.0100)]	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500) [ND(0.0500)]	0.00120 B	ND(0.0500)	ND(0.0500)
Zinc	0.0110 B [ND(0.0200)]	ND(0.0200)	ND(0.0200) J	ND(0.020)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/27/04	OPCA-MW-2 10/05/04	OPCA-MW-3 06/16/99	OPCA-MW-3 05/02/01
Volatile Organics				
Acetone	ND(0.010) J	ND(0.010) J	ND(0.10)	ND(0.010)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	0.0013 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(0.010)	ND(0.0020)
Total VOCs	0.0013 J	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1248	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1254	NA	NA	0.000040 J	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000051)	ND(0.000065)
Total PCBs	NA	NA	0.000040 J	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	0.000043 J	0.000020 J	NA	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	NA	ND(0.000065)
Total PCBs	0.000043 J	0.000020 J	NA	ND(0.000065)
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.011)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.011)	ND(0.0060)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.011)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.011)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)	ND(0.011)	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(0.0000000016)	ND(0.0000000028)	ND(0.0000000035)	ND(0.0000000011)
TCDFs (total)	ND(0.0000000016)	ND(0.0000000028)	ND(0.0000000035)	ND(0.0000000011)
1,2,3,7,8-PeCDF	ND(0.0000000024)	ND(0.0000000050)	ND(0.0000000041)	ND(0.0000000016)
2,3,4,7,8-PeCDF	ND(0.0000000024)	ND(0.0000000048)	ND(0.0000000039)	ND(0.0000000016)
PeCDFs (total)	ND(0.0000000024)	ND(0.0000000050)	ND(0.0000000041)	ND(0.0000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000024)	ND(0.0000000041)	ND(0.0000000013)	ND(0.0000000010)
1,2,3,6,7,8-HxCDF	ND(0.0000000024)	ND(0.0000000039)	ND(0.0000000013)	ND(0.0000000010)
1,2,3,7,8,9-HxCDF	ND(0.0000000027)	ND(0.0000000049)	ND(0.0000000018)	ND(0.0000000013)
2,3,4,6,7,8-HxCDF	ND(0.0000000024)	ND(0.0000000043)	ND(0.0000000013)	ND(0.0000000011)
HxCDFs (total)	ND(0.0000000024)	ND(0.0000000049)	ND(0.0000000018)	ND(0.0000000011)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000025)	ND(0.0000000028)	ND(0.0000000080)	ND(0.0000000014)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000032)	ND(0.0000000034)	ND(0.0000000099)	ND(0.0000000017)
HpCDFs (total)	ND(0.0000000028)	ND(0.0000000034)	ND(0.0000000099)	ND(0.0000000015)
OCDF	ND(0.0000000095)	ND(0.0000000077)	ND(0.0000000041)	ND(0.0000000031)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000023)	ND(0.0000000033)	ND(0.0000000020)	ND(0.0000000016)
TCDDs (total)	ND(0.0000000023)	ND(0.0000000033)	ND(0.0000000020)	ND(0.0000000016)
1,2,3,7,8-PeCDD	ND(0.0000000024)	ND(0.0000000072)	ND(0.0000000089)	ND(0.0000000018)
PeCDDs (total)	ND(0.0000000028)	ND(0.0000000072)	ND(0.0000000089)	ND(0.0000000018)
1,2,3,4,7,8-HxCDD	ND(0.0000000054)	ND(0.0000000049)	ND(0.0000000058)	ND(0.0000000016)
1,2,3,6,7,8-HxCDD	ND(0.0000000048)	ND(0.0000000044)	ND(0.0000000072)	ND(0.0000000017)
1,2,3,7,8,9-HxCDD	ND(0.0000000052)	ND(0.0000000045)	ND(0.0000000064)	ND(0.0000000016)
HxCDDs (total)	ND(0.0000000051)	ND(0.0000000049)	ND(0.0000000072)	ND(0.0000000016)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000043)	ND(0.0000000048)	ND(0.0000000077)	ND(0.0000000025)
HpCDDs (total)	ND(0.0000000043)	ND(0.0000000048)	ND(0.0000000077)	ND(0.0000000025)
OCDD	ND(0.000000016)	ND(0.0000000056)	ND(0.0000000048)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.0000000044	0.0000000083	0.0000000081	0.0000000027

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/27/04	OPCA-MW-2 10/05/04	OPCA-MW-3 06/16/99	OPCA-MW-3 05/02/01
Inorganics-Unfiltered				
Antimony	NA	NA	ND(0.0600)	ND(0.0600)
Arsenic	NA	NA	ND(0.00600)	0.00420 B
Barium	NA	NA	0.00950	0.0760 B
Beryllium	NA	NA	ND(0.00600)	ND(0.00100)
Cadmium	NA	NA	ND(0.00600) J	ND(0.00500)
Chromium	NA	NA	ND(0.0130)	ND(0.025) J
Cobalt	NA	NA	ND(0.0600)	ND(0.0500)
Copper	NA	NA	ND(0.0330)	0.00610 B
Cyanide	NA	NA	ND(0.0200)	ND(0.0100)
Lead	NA	NA	ND(0.130) J	ND(0.0050) J
Mercury	NA	NA	ND(0.000500)	ND(0.000200)
Nickel	NA	NA	ND(0.0600)	ND(0.0400)
Selenium	NA	NA	ND(0.00600)	0.00540
Silver	NA	NA	ND(0.0130)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	NA	NA	ND(0.0130)	ND(0.010) J
Vanadium	NA	NA	ND(0.0600)	ND(0.0500)
Zinc	NA	NA	0.0880	0.035 J
Inorganics-Filtered				
Antimony	0.00710 B	ND(0.0600)	NA	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Barium	0.0190 B	0.0180 B	NA	0.0700 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	0.00660 B
Cyanide	ND(0.0100)	ND(0.0100)	NA	NA
Lead	ND(0.00300)	ND(0.00300)	NA	ND(0.0050) J
Mercury	ND(0.000200)	ND(0.000200)	NA	ND(0.000200)
Nickel	ND(0.0400)	0.00200 B	NA	ND(0.0400)
Selenium	ND(0.00500)	0.00880	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
Vanadium	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc	0.00210 B	0.00780 B	NA	0.017 J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 11/02/01	OPCA-MW-3 04/24/02	OPCA-MW-3 10/02/02
Volatile Organics			
Acetone	ND(0.010) J	ND(0.010) J	ND(0.010)
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered			
Aroclor-1221	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	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000037 J
Aroclor-1260	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000037 J
PCBs-Filtered			
Aroclor-1221	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	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000033 J
Aroclor-1260	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065) [ND(0.000065)]	ND(0.000065)	0.000033 J
Semivolatile Organics			
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
Organochlorine Pesticides			
None Detected	NA	--	--
Organophosphate Pesticides			
None Detected	NA	--	--
Herbicides			
None Detected	NA	--	--
Furans			
2,3,7,8-TCDF	ND(0.00000000000080) [0.0000000000018 J]	ND(0.0000000014)	ND(0.0000000010)
TCDFs (total)	ND(0.00000000000080) [0.0000000000065]	ND(0.0000000014)	ND(0.0000000010)
1,2,3,7,8-PeCDF	ND(0.0000000000017) X [0.0000000000041 J]	ND(0.0000000024)	ND(0.0000000025)
2,3,4,7,8-PeCDF	ND(0.0000000000018) X [ND(0.0000000000035) X]	ND(0.0000000024)	ND(0.0000000025)
PeCDFs (total)	ND(0.00000000000080) [0.0000000000085]	ND(0.0000000024)	ND(0.0000000025)
1,2,3,4,7,8-HxCDF	ND(0.0000000000015) X [0.0000000000032 J]	ND(0.0000000024)	ND(0.0000000025)
1,2,3,6,7,8-HxCDF	ND(0.0000000000015) X [ND(0.0000000000032)]	ND(0.0000000024)	ND(0.0000000025)
1,2,3,7,8,9-HxCDF	ND(0.0000000000013) X [ND(0.0000000000032) X]	ND(0.0000000024)	ND(0.0000000025)
2,3,4,6,7,8-HxCDF	ND(0.0000000000012) X [0.0000000000023 J]	ND(0.0000000024)	ND(0.0000000025)
HxCDFs (total)	ND(0.0000000000012) [ND(0.0000000000086)]	ND(0.0000000024)	ND(0.0000000025)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000000027) X [ND(0.0000000000038) X]	ND(0.0000000024)	ND(0.0000000025)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000000022) [ND(0.0000000000026)]	ND(0.0000000024)	ND(0.0000000025)
HpCDFs (total)	ND(0.0000000000020) [ND(0.0000000000023)]	ND(0.0000000024)	ND(0.0000000025)
OCDF	ND(0.0000000000052) [ND(0.0000000000067)]	ND(0.0000000049)	ND(0.0000000050)
Dioxins			
2,3,7,8-TCDD	ND(0.00000000000070) [ND(0.0000000000027) X]	ND(0.0000000026)	ND(0.0000000010)
TCDDs (total)	ND(0.0000000000023) [ND(0.0000000000022)]	ND(0.0000000026)	ND(0.0000000022)
1,2,3,7,8-PeCDD	0.0000000000019 J [0.0000000000041 J]	ND(0.0000000024)	ND(0.0000000025)
PeCDDs (total)	0.0000000000019 [0.0000000000041]	ND(0.0000000024)	ND(0.0000000025)
1,2,3,4,7,8-HxCDD	ND(0.0000000000018) [0.0000000000023 J]	ND(0.0000000025)	ND(0.0000000025)
1,2,3,6,7,8-HxCDD	ND(0.0000000000016) [0.0000000000031 J]	ND(0.0000000024)	ND(0.0000000025)
1,2,3,7,8,9-HxCDD	ND(0.0000000000017) [ND(0.0000000000023) X]	ND(0.0000000024)	ND(0.0000000025)
HxCDDs (total)	ND(0.0000000000048) [0.0000000000055]	ND(0.0000000024)	ND(0.0000000048)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000000032) [ND(0.0000000000053)]	ND(0.0000000024)	ND(0.0000000032) X
HpCDDs (total)	ND(0.0000000000050) [ND(0.0000000000053)]	ND(0.0000000024)	ND(0.0000000036)
OCDD	ND(0.000000000019) X [ND(0.000000000024)]	ND(0.0000000059)	ND(0.000000014)
Total TEQs (WHO TEFs)	0.0000000000034 [0.0000000000083]	0.0000000041	0.0000000034

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 11/02/01	OPCA-MW-3 04/24/02	OPCA-MW-3 10/02/02
Inorganics-Unfiltered			
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	0.110 B [0.100 B]	ND(0.200)	0.110 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	0.00410 B [0.00330 B]	ND(0.0100)	ND(0.0100)
Cobalt	0.00360 B [0.00290 B]	ND(0.0500)	0.00210 B
Copper	ND(0.025) [ND(0.025)]	ND(0.0250)	0.00610 B
Cyanide	0.00220 B [ND(0.0100)]	0.00270 B	ND(0.0100)
Lead	ND(0.00500) J [ND(0.00500) J]	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200) [ND(0.000200)]	ND(0.000200) J	ND(0.000200) J
Nickel	0.00520 B [ND(0.0400)]	0.00490 B	0.00430 B
Selenium	ND(0.00500) [ND(0.00500)]	ND(0.00500) J	ND(0.00500) J
Silver	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00) [ND(5.00)]	ND(5.00)	ND(5.00)
Thallium	ND(0.0100) J [ND(0.0100) J]	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Zinc	ND(0.025) [ND(0.020)]	ND(0.0200) J	0.0110 B
Inorganics-Filtered			
Antimony	ND(0.0600) [ND(0.0600)]	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100) [ND(0.0100)]	ND(0.100)	ND(0.0100)
Barium	0.100 B [0.100 B]	ND(0.200)	0.120 B
Beryllium	ND(0.00100) [ND(0.00100)]	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500) [ND(0.00500)]	ND(0.0100)	ND(0.00500)
Chromium	0.00300 B [ND(0.0100)]	ND(0.0250)	ND(0.0100)
Cobalt	0.00320 B [0.00260 B]	ND(0.0500)	0.00210 B
Copper	0.00570 B [0.00590 B]	ND(0.100)	0.00420 B
Cyanide	NA	NA	ND(0.0100)
Lead	ND(0.00500) J [ND(0.00500) J]	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200) [ND(0.000200)]	ND(0.000200) J	ND(0.000200) J
Nickel	0.00420 B [0.00420 B]	ND(0.0400)	0.00310 B
Selenium	ND(0.00500) [ND(0.00500)]	ND(0.00500) J	ND(0.00500) J
Silver	ND(0.00500) [ND(0.00500)]	ND(0.00500)	ND(0.00500)
Thallium	0.011 J [ND(0.0100) J]	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500)	ND(0.0500)
Zinc	0.00770 B [ND(0.0200)]	ND(0.0200) J	ND(0.0200)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 04/23/03	OPCA-MW-3 11/04/03	OPCA-MW-3 04/29/04
Volatile Organics			
Acetone	0.015 [ND(0.010)]	ND(0.010) J [ND(0.010) J]	ND(0.010) J
Chlorobenzene	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(0.0020) [ND(0.0020)]	ND(0.0020) [ND(0.0020)]	ND(0.0020)
Total VOCs	0.015 [ND(0.20)]	ND(0.20) [ND(0.20)]	ND(0.20)
PCBs-Unfiltered			
Aroclor-1221	ND(0.000065) [ND(0.000065)]	ND(0.000065) [ND(0.000065)]	NA
Aroclor-1248	ND(0.000065) [ND(0.000065)]	ND(0.000065) [ND(0.000065)]	NA
Aroclor-1254	0.000050 J [0.000041 J]	0.000084 [0.000073]	NA
Aroclor-1260	ND(0.000065) [ND(0.000065)]	ND(0.000065) [ND(0.000065)]	NA
Total PCBs	0.000050 J [0.000041 J]	0.000084 [0.000073]	NA
PCBs-Filtered			
Aroclor-1221	ND(0.000065) [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)]	ND(0.000065)
Aroclor-1254	0.000049 J [ND(0.000065)]	0.000067 [0.000062 J]	ND(0.000065)
Aroclor-1260	ND(0.000065) [ND(0.000065)]	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs	0.000049 J [ND(0.000065)]	0.000067 [0.000062 J]	ND(0.000065)
Semivolatile Organics			
Acenaphthene	ND(0.020) [ND(0.010)]	ND(0.010) [ND(0.013)]	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.010) [ND(0.0060)]	ND(0.0060) [ND(0.0067)]	0.0095 J
Dibenzofuran	ND(0.020) [ND(0.010)]	ND(0.010) [ND(0.013)]	ND(0.010)
Naphthalene	ND(0.020) [ND(0.010)]	ND(0.010) [ND(0.013)]	ND(0.010)
Phenol	0.011 J [ND(0.010)]	ND(0.010) [ND(0.013)]	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(0.00000000098) [ND(0.0000000031)]	ND(0.0000000023) [ND(0.0000000029)]	ND(0.00000000032)
TCDFs (total)	ND(0.00000000098) [ND(0.0000000031)]	ND(0.0000000023) [ND(0.0000000029)]	ND(0.00000000032)
1,2,3,7,8-PeCDF	0.00000000068 J [ND(0.0000000025)]	0.0000000029 J [ND(0.0000000025)]	ND(0.00000000039)
2,3,4,7,8-PeCDF	0.00000000086 J [ND(0.0000000025)]	0.0000000019 J [ND(0.0000000025)]	ND(0.00000000039)
PeCDFs (total)	0.0000000015 [ND(0.0000000025)]	0.0000000047 [ND(0.0000000025)]	ND(0.00000000039)
1,2,3,4,7,8-HxCDF	ND(0.0000000024) [ND(0.0000000025)]	ND(0.0000000020) X [ND(0.0000000027)]	ND(0.00000000024)
1,2,3,6,7,8-HxCDF	0.00000000053 J [ND(0.0000000025)]	0.0000000024 J [ND(0.0000000026)]	ND(0.00000000023)
1,2,3,7,8,9-HxCDF	ND(0.0000000024) [ND(0.0000000027)]	ND(0.0000000015) X [ND(0.0000000032)]	ND(0.00000000025)
2,3,4,6,7,8-HxCDF	ND(0.0000000024) [ND(0.0000000025)]	ND(0.0000000011) X [ND(0.0000000027)]	ND(0.00000000022)
HxCDFs (total)	0.00000000053 [ND(0.0000000025)]	0.0000000024 [ND(0.0000000028)]	ND(0.00000000025)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000024) [ND(0.0000000033)]	0.0000000030 J [ND(0.0000000025)]	ND(0.00000000026)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000024) [ND(0.0000000045)]	ND(0.0000000034) [ND(0.0000000029)]	ND(0.00000000032)
HpCDFs (total)	ND(0.0000000024) [ND(0.0000000038)]	0.0000000030 [ND(0.0000000025)]	ND(0.00000000032)
OCDF	ND(0.0000000049) [ND(0.000000010)]	ND(0.0000000072) [ND(0.0000000085)]	ND(0.00000000094)
Dioxins			
2,3,7,8-TCDD	ND(0.00000000098) [ND(0.0000000028)]	ND(0.0000000037) [ND(0.0000000066)]	ND(0.00000000026)
TCDDs (total)	ND(0.0000000039) [ND(0.0000000028)]	ND(0.0000000037) [ND(0.0000000066)]	ND(0.00000000026)
1,2,3,7,8-PeCDD	ND(0.0000000024) [ND(0.0000000037)]	0.0000000027 J [ND(0.0000000027)]	ND(0.0000000011)
PeCDDs (total)	ND(0.0000000045) [ND(0.0000000037)]	0.0000000027 [ND(0.0000000033)]	ND(0.0000000011)
1,2,3,4,7,8-HxCDD	ND(0.0000000024) [ND(0.0000000045)]	ND(0.0000000045) [ND(0.0000000054)]	ND(0.00000000070)
1,2,3,6,7,8-HxCDD	ND(0.0000000024) [ND(0.0000000040)]	ND(0.0000000044) [ND(0.0000000052)]	ND(0.00000000073)
1,2,3,7,8,9-HxCDD	ND(0.0000000016) X [ND(0.0000000045)]	ND(0.0000000045) [ND(0.0000000054)]	ND(0.00000000079)
HxCDDs (total)	ND(0.0000000024) [ND(0.0000000043)]	ND(0.0000000044) [ND(0.0000000054)]	ND(0.00000000079)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000015) X [ND(0.0000000060)]	ND(0.0000000045) [ND(0.0000000038)]	ND(0.00000000069)
HpCDDs (total)	ND(0.0000000024) [ND(0.0000000060)]	ND(0.0000000045) [ND(0.0000000038)]	ND(0.00000000069)
OCDD	0.0000000054 J [ND(0.000000012)]	0.0000000077 J [ND(0.000000040)]	ND(0.00000000077)
Total TEQs (WHO TEFs)	0.0000000030 [0.0000000053]	0.0000000070 [0.0000000069]	0.00000000097

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 04/23/03	OPCA-MW-3 11/04/03	OPCA-MW-3 04/29/04
Inorganics-Unfiltered			
Antimony	ND(0.0600) [ND(0.0600)]	ND(0.0600) [ND(0.0600)]	NA
Arsenic	ND(0.0100) [ND(0.0100)]	ND(0.0100) [ND(0.0100)]	NA
Barium	0.0580 B [0.0560 B]	0.0360 B [0.0400 B]	NA
Beryllium	ND(0.00100) [ND(0.00100)]	ND(0.00100) [ND(0.00100)]	NA
Cadmium	ND(0.00500) [ND(0.00500)]	ND(0.00500) [ND(0.00500)]	NA
Chromium	ND(0.0100) [ND(0.0100)]	0.00130 B [ND(0.0100)]	NA
Cobalt	ND(0.0500) [ND(0.0500)]	0.00270 B [0.00260 B]	NA
Copper	0.00750 J [0.00710 J]	0.00280 B [0.00310 B]	NA
Cyanide	ND(0.0100) [ND(0.0100)]	ND(0.0100) [ND(0.0100)]	NA
Lead	ND(0.00300) J [ND(0.00300) J]	ND(0.00300) [ND(0.00300)]	NA
Mercury	ND(0.000200) [ND(0.000200)]	ND(0.000200) [ND(0.000200)]	NA
Nickel	ND(0.0400) [ND(0.0400)]	0.00300 B [0.00210 B]	NA
Selenium	ND(0.00500) J [ND(0.00500) J]	ND(0.00500) [ND(0.00500)]	NA
Silver	ND(0.00500) [ND(0.00500)]	ND(0.00500) [ND(0.00500)]	NA
Sulfide	ND(5.00) [6.40]	ND(5.00) [ND(5.00)]	ND(5.00)
Thallium	ND(0.0100) J [ND(0.0100) J]	ND(0.0100) [ND(0.0100)]	NA
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500) [ND(0.0500)]	NA
Zinc	0.0310 J [0.0210 J]	ND(0.020) [ND(0.020)]	NA
Inorganics-Filtered			
Antimony	0.00740 J [ND(0.0600) J]	ND(0.0600) [ND(0.0600)]	0.0100 B
Arsenic	ND(0.0100) [ND(0.0100)]	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Barium	0.0500 B [0.0520 B]	0.0380 B [0.0400 B]	0.0590 B
Beryllium	ND(0.00100) J [ND(0.00100) J]	ND(0.00100) [0.000320 B]	0.000300 B
Cadmium	ND(0.00500) [ND(0.00500)]	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Chromium	0.00150 J [0.00160 J]	ND(0.0100) [ND(0.0100)]	0.0750
Cobalt	0.00130 J [0.00160 J]	0.00190 B [0.00120 B]	ND(0.0500)
Copper	0.00320 B [0.00240 B]	0.00290 B [0.00310 B]	0.0190 B
Cyanide	ND(0.0100) [ND(0.0100)]	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Lead	ND(0.00300) J [ND(0.00300) J]	ND(0.00300) [ND(0.00300)]	0.00220 B
Mercury	ND(0.000200) [ND(0.000200)]	ND(0.000200) [ND(0.000200)]	ND(0.000200)
Nickel	ND(0.0400) [ND(0.0400)]	ND(0.0400) [ND(0.0400)]	0.00600 B
Selenium	ND(0.00500) J [ND(0.00500) J]	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Silver	ND(0.00500) [ND(0.00500)]	ND(0.00500) [ND(0.00500)]	ND(0.00500)
Thallium	ND(0.0100) J [ND(0.0100) J]	ND(0.0100) [ND(0.0100)]	ND(0.0100)
Vanadium	ND(0.0500) [ND(0.0500)]	ND(0.0500) [ND(0.0500)]	ND(0.0500)
Zinc	ND(0.0200) J [ND(0.0200) J]	ND(0.020) [ND(0.020)]	0.00790 B

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 10/06/04	OPCA-MW-4 06/15/99	OPCA-MW-4 05/02/01	OPCA-MW-4 10/30/01
Volatile Organics				
Acetone	ND(0.010) J	ND(0.10)	ND(0.010)	ND(0.010)
Chlorobenzene	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)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.010)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	NA	ND(0.000050)	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	ND(0.000050)	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	0.00089	0.000093	0.00018
Aroclor-1260	NA	ND(0.000050)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	0.00089	0.000093	0.00018
PCBs-Filtered				
Aroclor-1221	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.000065)	NA	0.00015	0.000045 J
Aroclor-1260	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065)	NA	0.00015	0.000045 J
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.010)	ND(0.0060)	ND(0.0060)
Dibenzofuran	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)
Phenol	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(0.0000000030)	ND(0.00000000070)	ND(0.0000000012)	0.000000000014
TCDFs (total)	ND(0.0000000030)	ND(0.00000000070)	0.000000016	0.00000000037
1,2,3,7,8-PeCDF	ND(0.0000000052)	ND(0.0000000043)	ND(0.0000000083)	0.000000000010 J
2,3,4,7,8-PeCDF	ND(0.0000000050)	ND(0.0000000040)	ND(0.000000011)	ND(0.0000000000084) X
PeCDFs (total)	ND(0.0000000052)	ND(0.0000000043)	ND(0.000000063)	0.00000000030
1,2,3,4,7,8-HxCDF	ND(0.0000000044)	ND(0.0000000090)	ND(0.0000000053)	0.000000000033
1,2,3,6,7,8-HxCDF	ND(0.0000000042)	ND(0.0000000092)	ND(0.0000000045)	ND(0.0000000000049)
1,2,3,7,8,9-HxCDF	ND(0.0000000052)	ND(0.0000000087)	ND(0.0000000056)	ND(0.0000000000061)
2,3,4,6,7,8-HxCDF	ND(0.0000000046)	ND(0.0000000095)	ND(0.0000000032)	ND(0.0000000000054)
HxCDFs (total)	ND(0.0000000052)	ND(0.0000000095)	ND(0.000000019)	0.00000000012
1,2,3,4,6,7,8-HpCDF	ND(0.0000000034)	ND(0.000000020)	ND(0.0000000046)	0.000000000012 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000000041)	ND(0.000000020)	ND(0.0000000037)	0.0000000000034 J
HpCDFs (total)	ND(0.0000000041)	ND(0.000000020)	ND(0.0000000084)	0.000000000021
OCDF	ND(0.0000000081)	ND(0.000000020)	ND(0.0000000090)	0.000000000015 J
Dioxins				
2,3,7,8-TCDD	ND(0.0000000036)	ND(0.0000000013)	ND(0.0000000047)	ND(0.0000000000015)
TCDDs (total)	ND(0.0000000036)	ND(0.0000000013)	ND(0.0000000047)	ND(0.0000000000024)
1,2,3,7,8-PeCDD	ND(0.0000000071)	ND(0.000000018)	ND(0.0000000065)	ND(0.0000000000012)
PeCDDs (total)	ND(0.0000000071)	ND(0.000000018)	ND(0.0000000065)	ND(0.0000000000012)
1,2,3,4,7,8-HxCDD	ND(0.0000000056)	ND(0.000000013)	ND(0.0000000043)	ND(0.0000000000052)
1,2,3,6,7,8-HxCDD	ND(0.0000000050)	ND(0.000000016)	ND(0.0000000016)	ND(0.0000000000046)
1,2,3,7,8,9-HxCDD	ND(0.0000000051)	ND(0.000000014)	ND(0.0000000052)	ND(0.0000000000047)
HxCDDs (total)	ND(0.0000000056)	ND(0.000000016)	ND(0.0000000094)	ND(0.0000000000048)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000060)	ND(0.000000027)	ND(0.0000000064)	0.0000000000048 J
HpCDDs (total)	ND(0.0000000060)	ND(0.000000027)	ND(0.0000000064)	0.0000000000080
OCDD	ND(0.0000000062)	ND(0.000000030)	ND(0.000000029)	0.000000000028 J
Total TEQs (WHO TEFs)	0.0000000087	0.000000015	0.000000010	0.000000000010

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-3 10/06/04	OPCA-MW-4 06/15/99	OPCA-MW-4 05/02/01	OPCA-MW-4 10/30/01
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.00600)	ND(0.0100)	ND(0.0100)
Barium	NA	0.0370	0.0270 B	0.0280 B
Beryllium	NA	ND(0.00600)	ND(0.00100)	ND(0.00100)
Cadmium	NA	ND(0.00600)	ND(0.00500)	ND(0.00500)
Chromium	NA	ND(0.0130)	ND(0.0100) J	ND(0.0100)
Cobalt	NA	ND(0.0600)	ND(0.0500)	ND(0.0500)
Copper	NA	ND(0.0330)	ND(0.0250)	ND(0.0250)
Cyanide	NA	ND(0.0200)	ND(0.0100)	ND(0.0100)
Lead	NA	ND(0.130) J	ND(0.00500) J	ND(0.00500)
Mercury	NA	ND(0.000500)	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0600)	ND(0.0400)	ND(0.0400)
Selenium	NA	ND(0.00600) J	ND(0.00500)	ND(0.00500)
Silver	NA	ND(0.0130)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	NA	ND(0.0130)	ND(0.0100) J	ND(0.010) J
Vanadium	NA	ND(0.0600)	ND(0.0500)	ND(0.0500)
Zinc	NA	ND(0.0260)	0.0130 J	ND(0.020)
Inorganics-Filtered				
Antimony	0.00950 B	NA	0.00800 B	ND(0.0600)
Arsenic	ND(0.0100)	NA	ND(0.0100)	ND(0.0100)
Barium	0.0600 B	NA	0.0260 B	0.0300 B
Beryllium	ND(0.00100)	NA	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Chromium	0.00110 B	NA	ND(0.0100) J	ND(0.0100)
Cobalt	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Copper	0.00390 B	NA	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0100)	NA	NA	NA
Lead	ND(0.00300)	NA	ND(0.00500) J	ND(0.00500)
Mercury	ND(0.000200)	NA	ND(0.000200)	ND(0.000200)
Nickel	0.00410 B	NA	ND(0.0400)	ND(0.0400)
Selenium	0.00770	NA	0.00650	ND(0.00500)
Silver	ND(0.00500)	NA	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	NA	ND(0.0100) J	ND(0.010) J
Vanadium	ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc	0.00290 B	NA	0.0150 J	0.0570

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/19/02	OPCA-MW-4 10/1-10/2/02	OPCA-MW-4 04/23/03	OPCA-MW-4 11/11-12/23/03
Volatile Organics				
Acetone	ND(0.010) J	ND(0.010)	ND(0.010)	ND(0.010) J
Chlorobenzene	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
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0015 J
Vinyl Chloride	ND(0.0020)	ND(0.0020)	0.0028	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	0.0028	0.0030 J
PCBs-Unfiltered				
Aroclor-1221	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	0.000055 J	0.00020	0.00079	0.00053
Aroclor-1260	ND(0.000065)	ND(0.000065)	0.00047	0.00011
Total PCBs	0.000055 J	0.00020	0.00126	0.00064
PCBs-Filtered				
Aroclor-1221	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	0.000029 J	0.000074	0.00013	0.000045 J
Aroclor-1260	ND(0.000065)	ND(0.000065)	0.00013	ND(0.000065)
Total PCBs	0.000029 J	0.000074	0.00026	0.000045 J
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
Organochlorine Pesticides				
None Detected	--	--	NA	NA
Organophosphate Pesticides				
None Detected	--	--	NA	NA
Herbicides				
None Detected	--	--	NA	NA
Furans				
2,3,7,8-TCDF	ND(0.0000000011)	ND(0.0000000019)	ND(0.0000000064)	ND(0.0000000038)
TCDFs (total)	0.0000000065	0.000000049	ND(0.0000000064)	ND(0.0000000038)
1,2,3,7,8-PeCDF	ND(0.0000000024)	ND(0.0000000024)	ND(0.0000000033)	ND(0.0000000041) X
2,3,4,7,8-PeCDF	ND(0.0000000016) X	ND(0.0000000035)	0.0000000029 J	ND(0.0000000032) X
PeCDFs (total)	0.000000039	0.00000022	0.000000011	ND(0.000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000024)	ND(0.0000000014) X	ND(0.0000000028) X	0.0000000057 J
1,2,3,6,7,8-HxCDF	ND(0.0000000024)	ND(0.00000000096) X	0.0000000019 J	ND(0.0000000032) X
1,2,3,7,8,9-HxCDF	ND(0.0000000024)	ND(0.0000000019) X	ND(0.0000000033)	ND(0.0000000043)
2,3,4,6,7,8-HxCDF	ND(0.0000000024)	ND(0.0000000028)	ND(0.0000000022) X	0.0000000026 J
HxCDFs (total)	0.0000000038	0.000000013	0.0000000051	ND(0.000000013)
1,2,3,4,6,7,8-HpCDF	0.0000000012 J	ND(0.0000000012)	0.0000000033 J	0.0000000048 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000000024)	ND(0.0000000024)	ND(0.0000000021) X	ND(0.0000000057)
HpCDFs (total)	0.0000000012	ND(0.0000000012)	0.0000000033	0.0000000048
OCDF	ND(0.0000000049)	ND(0.0000000049)	ND(0.000000011)	ND(0.0000000085)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000017)	ND(0.0000000026)	ND(0.0000000076)	ND(0.0000000036)
TCDDs (total)	ND(0.0000000017)	ND(0.0000000031)	ND(0.0000000076)	ND(0.0000000036)
1,2,3,7,8-PeCDD	ND(0.00000000097) X	ND(0.0000000024)	ND(0.0000000033)	0.0000000047 J
PeCDDs (total)	ND(0.0000000024)	ND(0.0000000041)	ND(0.0000000033)	0.0000000047
1,2,3,4,7,8-HxCDD	ND(0.0000000024)	ND(0.0000000039)	ND(0.0000000059)	ND(0.0000000083)
1,2,3,6,7,8-HxCDD	ND(0.0000000024)	ND(0.0000000037)	ND(0.0000000052)	ND(0.0000000073)
1,2,3,7,8,9-HxCDD	ND(0.0000000024)	ND(0.0000000036)	ND(0.0000000058)	ND(0.0000000080)
HxCDDs (total)	ND(0.0000000026)	ND(0.0000000037)	ND(0.0000000056)	ND(0.0000000078)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000037)	ND(0.0000000026) X	0.0000000029 J	ND(0.0000000077)
HpCDDs (total)	ND(0.0000000069)	ND(0.0000000025)	0.0000000029	ND(0.0000000077)
OCDD	ND(0.000000023)	ND(0.000000012)	0.000000015 J	0.000000015 J
Total TEQs (WHO TEFs)	0.0000000027	0.0000000045	0.0000000088	0.000000010

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OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/19/02	OPCA-MW-4 10/1-10/2/02	OPCA-MW-4 04/23/03	OPCA-MW-4 11/11-12/23/03
Inorganics-Unfiltered				
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	ND(0.200)	0.0450 B	0.0800 B	0.0580 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00500)
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.010)
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	0.00500 B	0.00540 J	ND(0.0250)
Cyanide	0.00290 B	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300)	0.00230 B	ND(0.00300) J	ND(0.00300)
Mercury	ND(0.000200) J	ND(0.000200) J	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	0.00200 B	0.00290 B
Selenium	ND(0.00500)	ND(0.00500) J	ND(0.00500) J	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	0.00110 B	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	0.0270 J	0.0400	0.300 J	0.0610 J
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	0.0110 J	ND(0.0600)
Arsenic	ND(0.100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	ND(0.200)	0.0470 B	0.0740 B	0.0640 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100) J	ND(0.00100)
Cadmium	ND(0.0100)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0250)	ND(0.0100)	ND(0.0100) J	ND(0.0100)
Cobalt	ND(0.0500)	0.0500 B	ND(0.0500) J	ND(0.0500)
Copper	ND(0.100)	0.00400 B	0.00130 B	0.00150 B
Cyanide	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury	ND(0.000200) J	ND(0.000200) J	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	0.00230 B	0.00220 B
Selenium	ND(0.00500)	ND(0.00500) J	ND(0.00500) J	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	0.00240 B	ND(0.0500)
Zinc	0.00720 J	ND(0.0240)	0.290 J	0.0680 J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/28/04	OPCA-MW-4 10/04/04	OPCA-MW-5 06/15/99	OPCA-MW-5R 06/28/01
Volatile Organics				
Acetone	ND(0.010) J	ND(0.010) J	ND(0.10)	ND(0.010) J
Chlorobenzene	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)
Trichloroethene	0.0020 J	0.0015 J	ND(0.0050)	ND(0.0050)
Vinyl Chloride	0.0015 J	ND(0.0020)	ND(0.010)	ND(0.0020)
Total VOCs	0.0035 J	0.0015 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1248	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1254	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000051)	ND(0.000065)
Total PCBs	NA	NA	ND(0.000051)	ND(0.000065)
PCBs-Filtered				
Aroclor-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	ND(0.000065)	0.00017	NA	ND(0.000065)
Aroclor-1260	ND(0.000065)	0.000058 J	NA	ND(0.000065)
Total PCBs	ND(0.000065)	0.000228	NA	ND(0.000065)
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	0.011
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.010)	ND(0.0060) J
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)	0.0038 J
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	0.062
Phenol	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(0.00000000074)	ND(0.0000000023)	ND(0.00000000080)	ND(0.0000000000015)
TCDFs (total)	0.00000016 I	ND(0.0000000023)	ND(0.00000000080)	ND(0.0000000000015)
1,2,3,7,8-PeCDF	ND(0.00000000090)	ND(0.0000000011)	ND(0.0000000028)	ND(0.00000000000080)
2,3,4,7,8-PeCDF	ND(0.00000000085)	ND(0.0000000010)	ND(0.0000000027)	ND(0.00000000000080)
PeCDFs (total)	0.00000015 I	ND(0.0000000020)	ND(0.0000000028)	ND(0.00000000000080)
1,2,3,4,7,8-HxCDF	ND(0.000000017) X	ND(0.0000000014)	ND(0.0000000050)	ND(0.0000000000020)
1,2,3,6,7,8-HxCDF	ND(0.00000000060)	ND(0.00000000071)	ND(0.0000000051)	ND(0.0000000000019)
1,2,3,7,8,9-HxCDF	ND(0.00000000061)	ND(0.00000000091)	ND(0.0000000049)	ND(0.0000000000024)
2,3,4,6,7,8-HxCDF	ND(0.00000000057)	ND(0.00000000082)	ND(0.0000000053)	ND(0.0000000000022)
HxCDFs (total)	0.000000044 I	ND(0.0000000014)	ND(0.0000000053)	ND(0.0000000000021)
1,2,3,4,6,7,8-HpCDF	ND(0.00000000039)	ND(0.00000000074)	ND(0.0000000088)	ND(0.0000000000019)
1,2,3,4,7,8,9-HpCDF	ND(0.00000000048)	ND(0.00000000069)	ND(0.0000000088)	ND(0.0000000000023)
HpCDFs (total)	ND(0.00000000048)	ND(0.00000000086)	ND(0.0000000088)	ND(0.0000000000021)
OCDF	ND(0.00000000088)	ND(0.0000000032)	ND(0.0000000078)	ND(0.000000000010)
Dioxins				
2,3,7,8-TCDD	ND(0.00000000032)	ND(0.00000000098)	ND(0.0000000012)	ND(0.0000000000031)
TCDDs (total)	ND(0.00000000032)	ND(0.0000000012)	ND(0.0000000012)	ND(0.0000000000031)
1,2,3,7,8-PeCDD	ND(0.0000000048)	ND(0.0000000020)	ND(0.000000014)	ND(0.0000000000015)
PeCDDs (total)	ND(0.0000000048)	ND(0.0000000020)	ND(0.000000014)	ND(0.0000000000044)
1,2,3,4,7,8-HxCDD	ND(0.0000000011)	ND(0.0000000011)	ND(0.0000000062)	ND(0.0000000000029)
1,2,3,6,7,8-HxCDD	ND(0.0000000011)	ND(0.00000000086)	ND(0.0000000077)	ND(0.0000000000031)
1,2,3,7,8,9-HxCDD	ND(0.0000000012)	ND(0.00000000089)	ND(0.0000000068)	ND(0.0000000000028)
HxCDDs (total)	ND(0.0000000012)	ND(0.0000000018)	ND(0.0000000077)	ND(0.0000000000033)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000010)	ND(0.0000000013)	ND(0.000000012)	ND(0.0000000000028)
HpCDDs (total)	ND(0.0000000010)	ND(0.0000000013)	ND(0.000000012)	ND(0.0000000000040)
OCDD	ND(0.00000000085)	ND(0.0000000059)	ND(0.000000012)	ND(0.000000000016) X
Total TEQs (WHO TEFs)	0.0000000040	0.0000000022	0.000000011	0.0000000000035

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/28/04	OPCA-MW-4 10/04/04	OPCA-MW-5 06/15/99	OPCA-MW-5R 06/28/01
Inorganics-Unfiltered				
Antimony	NA	NA	ND(0.0600)	ND(0.0600)
Arsenic	NA	NA	ND(0.00600)	0.00790 B
Barium	NA	NA	0.0290	0.0590 B
Beryllium	NA	NA	ND(0.00600)	ND(0.00100)
Cadmium	NA	NA	ND(0.00600)	ND(0.00500)
Chromium	NA	NA	ND(0.0130)	0.00430 B
Cobalt	NA	NA	ND(0.0600)	0.00620 B
Copper	NA	NA	ND(0.0330)	ND(0.0250)
Cyanide	NA	NA	ND(0.0200)	ND(0.0100)
Lead	NA	NA	ND(0.130) J	ND(0.00500)
Mercury	NA	NA	ND(0.000500)	ND(0.000200)
Nickel	NA	NA	ND(0.0600)	ND(0.0400)
Selenium	NA	NA	ND(0.00600) J	ND(0.00500)
Silver	NA	NA	ND(0.0130)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	8.00
Thallium	NA	NA	ND(0.0130)	ND(0.0100)
Vanadium	NA	NA	ND(0.0600)	ND(0.0500)
Zinc	NA	NA	ND(0.0260)	0.0150 B
Inorganics-Filtered				
Antimony	0.0120 B	ND(0.0600)	NA	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Barium	0.140 B	0.0590 B	NA	0.0440 B
Beryllium	0.000530 B	ND(0.00100)	NA	0.000860 B
Cadmium	ND(0.00500)	ND(0.00500)	NA	0.00140 B
Chromium	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0500)	NA	0.00660 B
Copper	ND(0.0250)	ND(0.0250)	NA	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	NA	NA
Lead	ND(0.00300)	ND(0.00300)	NA	ND(0.00500)
Mercury	ND(0.000200)	ND(0.000200)	NA	ND(0.000200)
Nickel	0.00200 B	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(0.0100)
Vanadium	0.00220 B	ND(0.0500)	NA	ND(0.0500)
Zinc	0.110	0.180	NA	0.0110 B

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-5R 10/31/01	OPCA-MW-5R 04/23/02	OPCA-MW-5R 10/02/02	OPCA-MW-5R 04/22/03
Volatile Organics				
Acetone	ND(0.010)	ND(0.010) J	ND(0.010)	ND(0.010)
Chlorobenzene	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)
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	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	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	0.000033 J	0.00020	0.000033 J	ND(0.000065)
Aroclor-1260	0.000036 J	0.00013	ND(0.000065)	0.00027
Total PCBs	0.000069 J	0.00033	0.000033 J	0.00027
PCBs-Filtered				
Aroclor-1221	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	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000039 J
Total PCBs	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000039 J
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
Organochlorine Pesticides				
None Detected	NA	--	--	NA
Organophosphate Pesticides				
None Detected	NA	--	--	NA
Herbicides				
None Detected	NA	--	--	NA
Furans				
2,3,7,8-TCDF	ND(0.00000000060)	ND(0.0000000017)	0.000000010 J	ND(0.0000000025)
TCDFs (total)	ND(0.00000000060)	ND(0.0000000017)	0.00000010	ND(0.0000000025)
1,2,3,7,8-PeCDF	ND(0.0000000020) X	ND(0.0000000025)	0.0000000062 J	ND(0.0000000024)
2,3,4,7,8-PeCDF	ND(0.0000000000018)	ND(0.0000000025)	0.000000018 J	ND(0.0000000024)
PeCDFs (total)	ND(0.0000000000018)	ND(0.0000000025)	0.00000016	ND(0.0000000024)
1,2,3,4,7,8-HxCDF	ND(0.0000000000018)	ND(0.0000000025)	0.000000018 J	ND(0.0000000024)
1,2,3,6,7,8-HxCDF	ND(0.0000000000018)	ND(0.0000000025)	0.000000012 J	ND(0.0000000024)
1,2,3,7,8,9-HxCDF	ND(0.0000000000020)	ND(0.0000000025)	0.0000000037 J	ND(0.0000000028)
2,3,4,6,7,8-HxCDF	ND(0.00000000050)	ND(0.0000000025)	0.000000011 J	ND(0.0000000024)
HxCDFs (total)	ND(0.0000000000056)	ND(0.0000000025)	0.00000014	ND(0.0000000024)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000018) X	ND(0.0000000025)	0.000000021 J	ND(0.0000000024)
1,2,3,4,7,8,9-HpCDF	ND(0.00000000080)	ND(0.0000000025)	ND(0.0000000041) X	ND(0.0000000030)
HpCDFs (total)	ND(0.00000000070)	ND(0.0000000025)	ND(0.000000035)	ND(0.0000000026)
OCDF	ND(0.00000000080)	ND(0.0000000050)	0.000000017 J	ND(0.0000000099)
Dioxins				
2,3,7,8-TCDD	ND(0.00000000070)	ND(0.0000000024)	ND(0.0000000011)	ND(0.0000000020)
TCDDs (total)	ND(0.0000000010)	ND(0.0000000024)	ND(0.0000000016)	ND(0.0000000020)
1,2,3,7,8-PeCDD	ND(0.0000000000021)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000024)
PeCDDs (total)	ND(0.0000000000021)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000041)
1,2,3,4,7,8-HxCDD	ND(0.00000000090)	ND(0.0000000025)	ND(0.0000000034)	ND(0.0000000030)
1,2,3,6,7,8-HxCDD	ND(0.00000000080)	ND(0.0000000025)	ND(0.0000000031)	ND(0.0000000027)
1,2,3,7,8,9-HxCDD	ND(0.0000000022) X	ND(0.0000000025)	ND(0.0000000031)	ND(0.0000000030)
HxCDDs (total)	ND(0.0000000027)	ND(0.0000000026)	0.0000000044	ND(0.0000000045)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000035) X	0.0000000020 J	0.000000013 J	ND(0.0000000038)
HpCDDs (total)	ND(0.00000000060)	0.0000000020	0.000000027	ND(0.0000000038)
OCDD	ND(0.000000013) X	ND(0.0000000089)	ND(0.000000072)	ND(0.000000010)
Total TEQs (WHO TEFs)	0.00000000068	0.0000000041	0.000000017	0.0000000040

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-5R 10/31/01	OPCA-MW-5R 04/23/02	OPCA-MW-5R 10/02/02	OPCA-MW-5R 04/22/03
Inorganics-Unfiltered				
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	0.0520 B	ND(0.200)	0.0230 B	0.0520 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.000800 B	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	0.0140	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt	0.00450 B	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	0.0110 B	ND(0.0250)	0.00800 B	0.00560 B
Cyanide	ND(0.0100)	0.00930 B	0.0510	0.00220 B
Lead	0.00430 BJ	0.00300	0.0340	0.00420
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200) J	ND(0.000200)
Nickel	0.00740 B	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Vanadium	0.00660 B	ND(0.0500)	ND(0.0500)	0.00150 B
Zinc	0.0500	0.0300	0.0470	ND(0.030)
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)	0.00460 B
Arsenic	ND(0.0100)	ND(0.100)	ND(0.0100)	ND(0.0100)
Barium	0.0280 B	ND(0.200)	0.0150 B	0.0540 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	0.000850 B	ND(0.0100)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0250)	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	0.00450 B	ND(0.0250)	ND(0.0250)
Cyanide	NA	NA	ND(0.0100)	ND(0.0100)
Lead	ND(0.00500) J	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200) J	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100) J	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	0.00140 B
Zinc	0.028 J	0.0360	ND(0.0200)	0.0230

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-5R 11/17/03	OPCA-MW-5R 04/28/04	OPCA-MW-5R 10/04/04	OPCA-MW-6 06/15/99	OPCA-MW-6 05/02/01
Volatile Organics					
Acetone	ND(0.010)	ND(0.010) J	ND(0.010)	ND(0.10)	ND(0.010)
Chlorobenzene	0.0028 J	0.0011 J	0.0030 J	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	0.00057 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(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.010)	ND(0.0020)
Total VOCs	0.0028 J	0.0011 J	0.0036 J	ND(0.20)	ND(0.20)
PCBs-Unfiltered					
Aroclor-1221	ND(0.000065)	NA	NA	ND(0.000050)	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	NA	ND(0.000050)	ND(0.000065)
Aroclor-1254	0.000058 J	NA	NA	0.00012	ND(0.000065)
Aroclor-1260	ND(0.000065)	NA	NA	ND(0.000050)	ND(0.000065)
Total PCBs	0.000058 J	NA	NA	0.00012	ND(0.000065)
PCBs-Filtered					
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	ND(0.000065)
Aroclor-1254	0.000092	0.000037 J	0.000041 J	NA	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	0.000043 J	NA	ND(0.000065)
Total PCBs	0.000092	0.000037 J	0.000084 J	NA	ND(0.000065)
Semivolatile Organics					
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060)	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)	R	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(0.00000000091)	ND(0.0000000016)	ND(0.0000000023)	ND(0.00000000090)	ND(0.0000000012)
TCDFs (total)	0.00000018 I	ND(0.0000000016)	ND(0.0000000023)	ND(0.00000000090)	ND(0.0000000012)
1,2,3,7,8-PeCDF	ND(0.0000000011)	ND(0.0000000024)	ND(0.0000000013)	ND(0.0000000033)	ND(0.0000000016)
2,3,4,7,8-PeCDF	ND(0.00000000086)	ND(0.0000000024)	ND(0.0000000012)	ND(0.0000000031)	ND(0.0000000016)
PeCDFs (total)	0.00000034 I	ND(0.0000000024)	ND(0.0000000016)	ND(0.0000000033)	ND(0.0000000016)
1,2,3,4,7,8-HxCDF	ND(0.000000020)	ND(0.0000000024)	ND(0.00000000085)	ND(0.0000000089)	ND(0.0000000015)
1,2,3,6,7,8-HxCDF	ND(0.00000000055)	ND(0.0000000024)	ND(0.00000000069)	ND(0.0000000092)	ND(0.0000000011)
1,2,3,7,8,9-HxCDF	ND(0.00000000062)	ND(0.0000000024)	ND(0.00000000088)	ND(0.0000000087)	ND(0.0000000014)
2,3,4,6,7,8-HxCDF	ND(0.00000000057)	ND(0.0000000024)	ND(0.00000000079)	ND(0.0000000096)	ND(0.0000000012)
HxCDFs (total)	0.00000018 I	ND(0.0000000024)	ND(0.00000000088)	ND(0.0000000095)	ND(0.0000000015)
1,2,3,4,6,7,8-HpCDF	ND(0.00000000044)	ND(0.0000000024)	ND(0.00000000049)	ND(0.000000020)	ND(0.0000000017)
1,2,3,4,7,8,9-HpCDF	ND(0.00000000054)	ND(0.0000000024)	ND(0.00000000058)	ND(0.000000020)	ND(0.0000000020)
HpCDFs (total)	ND(0.00000000054)	ND(0.0000000024)	ND(0.00000000070)	ND(0.000000020)	ND(0.0000000018)
OCDF	ND(0.00000000054)	ND(0.0000000065)	ND(0.0000000024)	ND(0.000000020)	ND(0.0000000039)
Dioxins					
2,3,7,8-TCDD	ND(0.00000000055)	ND(0.0000000022)	ND(0.00000000097)	ND(0.0000000012)	ND(0.0000000017)
TCDDs (total)	ND(0.00000000055)	ND(0.0000000022)	ND(0.00000000097)	ND(0.0000000012)	ND(0.0000000017)
1,2,3,7,8-PeCDD	ND(0.0000000019)	ND(0.0000000024)	ND(0.0000000026)	ND(0.000000012)	ND(0.0000000019)
PeCDDs (total)	ND(0.0000000019)	ND(0.0000000028)	ND(0.0000000026)	ND(0.000000012)	ND(0.0000000019)
1,2,3,4,7,8-HxCDD	ND(0.00000000099)	ND(0.0000000039)	ND(0.0000000012)	ND(0.000000012)	ND(0.0000000016)
1,2,3,6,7,8-HxCDD	ND(0.0000000011)	ND(0.0000000034)	ND(0.00000000090)	ND(0.000000015)	ND(0.0000000016)
1,2,3,7,8,9-HxCDD	ND(0.0000000010)	ND(0.0000000037)	ND(0.00000000094)	ND(0.000000013)	ND(0.0000000016)
HxCDDs (total)	ND(0.0000000011)	ND(0.0000000037)	ND(0.0000000012)	ND(0.000000015)	ND(0.0000000016)
1,2,3,4,6,7,8-HpCDD	ND(0.00000000042)	ND(0.0000000031)	ND(0.0000000010)	ND(0.000000026)	ND(0.0000000026)
HpCDDs (total)	ND(0.00000000042)	ND(0.0000000031)	ND(0.0000000010)	ND(0.000000026)	ND(0.0000000026)
OCDD	ND(0.000000010)	ND(0.000000019)	ND(0.0000000076)	ND(0.000000029)	ND(0.0000000047)
Total TEQs (WHO TEFs)	0.0000000028	0.0000000041	0.0000000026	0.000000012	0.0000000028

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-5R 11/17/03	OPCA-MW-5R 04/28/04	OPCA-MW-5R 10/04/04	OPCA-MW-6 06/15/99	OPCA-MW-6 05/02/01
Inorganics-Unfiltered					
Antimony	ND(0.0600)	NA	NA	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100) J	NA	NA	ND(0.00600)	ND(0.0100)
Barium	0.0780 B	NA	NA	0.0300	0.0170 B
Beryllium	ND(0.0010)	NA	NA	ND(0.00600)	ND(0.00100)
Cadmium	ND(0.00500)	NA	NA	ND(0.00600)	ND(0.00500)
Chromium	ND(0.0100)	NA	NA	ND(0.0130)	ND(0.0100) J
Cobalt	ND(0.0500)	NA	NA	ND(0.0600)	ND(0.0500)
Copper	ND(0.025)	NA	NA	ND(0.0330)	0.00400 B
Cyanide	ND(0.0100)	NA	NA	ND(0.0200)	ND(0.0100)
Lead	ND(0.00300)	NA	NA	ND(0.130) J	ND(0.00500) J
Mercury	0.0000500 B	NA	NA	ND(0.000500)	ND(0.000200)
Nickel	ND(0.040)	NA	NA	ND(0.0600)	ND(0.0400)
Selenium	ND(0.00500) J	NA	NA	ND(0.00600) J	0.00570
Silver	ND(0.00500)	NA	NA	ND(0.0130)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100)	NA	NA	ND(0.0130)	ND(0.0100) J
Vanadium	ND(0.0500)	NA	NA	ND(0.0600)	ND(0.0500)
Zinc	0.0110 J	NA	NA	ND(0.0260)	0.0210 J
Inorganics-Filtered					
Antimony	ND(0.0600)	0.00730 B	ND(0.0600)	NA	ND(0.0600)
Arsenic	ND(0.0100) J	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Barium	0.0810 B	0.0640 B	0.0880 B	NA	0.0160 B
Beryllium	ND(0.00100)	0.000330 B	ND(0.00100)	NA	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) J
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Copper	0.00260 B	ND(0.0250)	0.00140 B	NA	ND(0.0250)
Cyanide	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA	NA
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)	NA	ND(0.00500) J
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)	NA	ND(0.000200)
Nickel	ND(0.040)	0.00370 B	0.00180 B	NA	ND(0.0400)
Selenium	ND(0.00500) J	ND(0.00500)	ND(0.00500)	NA	0.00590
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc	ND(0.020)	ND(0.0200)	0.00180 B	NA	0.0150 J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/23/02	OPCA-MW-6 10/1-10/2/2002	OPCA-MW-6 04/24/03	OPCA-MW-6 11/17/03
Volatile Organics				
Acetone	ND(0.010) J	ND(0.010)	0.0085 J	ND(0.010)
Chlorobenzene	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)
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	ND(0.20)	ND(0.20)	0.0085 J	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	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	ND(0.000065)	0.000091	0.00010	0.00012
Aroclor-1260	ND(0.000065)	ND(0.000065)	0.000030 J	0.000086
Total PCBs	ND(0.000065)	0.000091	0.00013	0.000206
PCBs-Filtered				
Aroclor-1221	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	ND(0.000065)	0.000047 J	0.000088	0.00010
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000058 J
Total PCBs	ND(0.000065)	0.000047 J	0.000088	0.000158
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060) J	ND(0.0060)
Dibenzofuran	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)
Phenol	ND(0.010)	ND(0.010)	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(0.0000000012)	ND(0.0000000013)	ND(0.0000000031)	ND(0.0000000011)
TCDFs (total)	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000031)	0.00000010 I
1,2,3,7,8-PeCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000045)	ND(0.0000000012)
2,3,4,7,8-PeCDF	ND(0.0000000025)	ND(0.00000000066) X	ND(0.0000000045)	ND(0.00000000094)
PeCDFs (total)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000045)	0.00000016 I
1,2,3,4,7,8-HxCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.000000013)	ND(0.00000000053)
1,2,3,6,7,8-HxCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.000000012)	ND(0.00000000051)
1,2,3,7,8,9-HxCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.000000016)	ND(0.00000000061)
2,3,4,6,7,8-HxCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.000000013)	ND(0.00000000058)
HxCDFs (total)	ND(0.0000000025)	ND(0.0000000024)	ND(0.000000013)	ND(0.000000028)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000025)	ND(0.00000000091) X	ND(0.0000000033)	ND(0.00000000061)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000044)	ND(0.00000000072)
HpCDFs (total)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000037)	ND(0.00000000072)
OCDF	ND(0.0000000049)	ND(0.0000000048)	ND(0.000000012)	ND(0.00000000087)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000021)	ND(0.0000000018)	ND(0.0000000024)	ND(0.00000000080)
TCDDs (total)	ND(0.0000000021)	ND(0.0000000036)	ND(0.0000000026)	ND(0.00000000080)
1,2,3,7,8-PeCDD	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000027)	ND(0.0000000020)
PeCDDs (total)	ND(0.0000000025)	ND(0.0000000039)	ND(0.0000000036)	ND(0.0000000020)
1,2,3,4,7,8-HxCDD	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000045)	ND(0.0000000011)
1,2,3,6,7,8-HxCDD	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000040)	ND(0.0000000011)
1,2,3,7,8,9-HxCDD	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000044)	ND(0.0000000011)
HxCDDs (total)	ND(0.0000000026)	ND(0.0000000024)	ND(0.0000000043)	ND(0.0000000011)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000018) X	ND(0.0000000032) X	ND(0.0000000042)	ND(0.00000000051)
HpCDDs (total)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000042)	ND(0.00000000051)
OCDD	ND(0.0000000068)	ND(0.0000000068) X	0.0000000097 J	ND(0.0000000011)
Total TEQs (WHO TEFs)	0.0000000040	0.0000000033	0.0000000073	0.0000000020

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/23/02	OPCA-MW-6 10/1-10/2/2002	OPCA-MW-6 04/24/03	OPCA-MW-6 11/17/03
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	0.00840 B	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100) J
Barium	ND(0.200)	0.0180 B	0.0530 B	ND(0.20)
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.0010)
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)	ND(0.0500)
Copper	ND(0.0250)	0.00500 B	ND(0.0250)	ND(0.025)
Cyanide	ND(0.0100)	ND(0.0100)	0.00420 B	ND(0.0100)
Lead	ND(0.00300)	0.00220 B	ND(0.00300) J	ND(0.00300)
Mercury	ND(0.000200) J	ND(0.000200) J	ND(0.000200) J	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200) J	0.0200 B	0.00930 J	0.00570 J
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	0.00760 B	ND(0.0600)
Arsenic	ND(0.100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	ND(0.200)	0.0130 B	0.0520 B	ND(0.20)
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)
Cadmium	ND(0.0100)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.0250)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	ND(0.100)	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	NA	ND(0.0100)	0.00370 B	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury	ND(0.000200) J	0.000210 J	ND(0.000200) J	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.0200) J	ND(0.0200)	ND(0.0200) J	ND(0.020)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/28/04	OPCA-MW-6 10/04/04	OPCA-MW-7 06/15/99	OPCA-MW-7 05/01/01
Volatile Organics				
Acetone	ND(0.010) J	ND(0.010)	ND(0.10)	ND(0.010)
Chlorobenzene	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)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.010)	ND(0.0020)
Total VOCs	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
PCBs-Unfiltered				
Aroclor-1221	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1248	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1254	NA	NA	ND(0.000051)	ND(0.000065)
Aroclor-1260	NA	NA	ND(0.000051)	ND(0.000065)
Total PCBs	NA	NA	ND(0.000051)	ND(0.000065)
PCBs-Filtered				
Aroclor-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	ND(0.000065)	ND(0.000065)	NA	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	NA	ND(0.000065)
Total PCBs	ND(0.000065)	ND(0.000065)	NA	ND(0.000065)
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.011)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.011)	ND(0.0060)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.011)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.011)	ND(0.010)
Phenol	ND(0.010)	ND(0.010)	ND(0.011)	ND(0.010) J
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(0.0000000013)	ND(0.0000000030)	ND(0.00000000080)	ND(0.0000000014)
TCDFs (total)	ND(0.0000000013)	ND(0.0000000030)	ND(0.00000000080)	ND(0.0000000014)
1,2,3,7,8-PeCDF	ND(0.0000000013)	ND(0.0000000012)	ND(0.0000000030)	ND(0.0000000016)
2,3,4,7,8-PeCDF	ND(0.00000000098)	ND(0.0000000011)	ND(0.0000000028)	ND(0.0000000016)
PeCDFs (total)	ND(0.0000000023)	ND(0.0000000020)	ND(0.0000000030)	ND(0.0000000016)
1,2,3,4,7,8-HxCDF	ND(0.0000000010) X	ND(0.0000000013)	ND(0.0000000069)	ND(0.0000000016)
1,2,3,6,7,8-HxCDF	ND(0.0000000013)	ND(0.00000000068)	ND(0.0000000070)	ND(0.00000000090)
1,2,3,7,8,9-HxCDF	ND(0.0000000028)	ND(0.00000000088)	ND(0.0000000067)	ND(0.0000000011)
2,3,4,6,7,8-HxCDF	ND(0.0000000024)	ND(0.00000000078)	ND(0.0000000073)	ND(0.0000000010)
HxCDFs (total)	ND(0.0000000013)	ND(0.0000000013)	ND(0.0000000073)	ND(0.0000000016)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000024)	ND(0.00000000052)	ND(0.000000013)	ND(0.0000000016)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000024)	ND(0.00000000062)	ND(0.000000013)	ND(0.0000000020)
HpCDFs (total)	ND(0.0000000024)	ND(0.00000000062)	ND(0.000000013)	ND(0.0000000018)
OCDF	ND(0.0000000049)	ND(0.0000000030)	ND(0.000000012)	ND(0.0000000038)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000020)	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000020)
TCDDs (total)	ND(0.0000000020)	ND(0.0000000012)	ND(0.0000000013)	ND(0.0000000020)
1,2,3,7,8-PeCDD	ND(0.0000000024)	ND(0.0000000023)	ND(0.000000010)	ND(0.0000000021)
PeCDDs (total)	ND(0.0000000028)	ND(0.0000000023)	ND(0.000000010)	ND(0.0000000021)
1,2,3,4,7,8-HxCDD	ND(0.0000000049)	ND(0.0000000013)	ND(0.0000000097)	ND(0.0000000017)
1,2,3,6,7,8-HxCDD	ND(0.0000000043)	ND(0.00000000099)	ND(0.000000012)	ND(0.0000000017)
1,2,3,7,8,9-HxCDD	ND(0.0000000047)	ND(0.0000000010)	ND(0.000000011)	ND(0.0000000016)
HxCDDs (total)	ND(0.0000000046)	ND(0.0000000013)	ND(0.000000012)	ND(0.000000010) X
1,2,3,4,6,7,8-HpCDD	ND(0.0000000026)	ND(0.0000000011)	ND(0.000000017)	ND(0.0000000030)
HpCDDs (total)	ND(0.0000000026)	ND(0.0000000011)	ND(0.000000017)	ND(0.0000000030)
OCDD	ND(0.0000000060)	ND(0.0000000018)	ND(0.000000018)	ND(0.0000000048)
Total TEQs (WHO TEFs)	0.0000000037	0.0000000026	0.0000000098	0.0000000031

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 04/28/04	OPCA-MW-6 10/04/04	OPCA-MW-7 06/15/99	OPCA-MW-7 05/01/01
Inorganics-Unfiltered				
Antimony	NA	NA	ND(0.0600)	ND(0.0600)
Arsenic	NA	NA	ND(0.00600)	ND(0.0100)
Barium	NA	NA	0.0270	0.0600 B
Beryllium	NA	NA	ND(0.00600)	ND(0.00100)
Cadmium	NA	NA	ND(0.00600)	ND(0.00500)
Chromium	NA	NA	ND(0.0130)	ND(0.0100)
Cobalt	NA	NA	ND(0.0600)	ND(0.0500)
Copper	NA	NA	ND(0.0330)	0.00790 J
Cyanide	NA	NA	ND(0.0200)	ND(0.0100)
Lead	NA	NA	ND(0.130) J	ND(0.00500)
Mercury	NA	NA	ND(0.000500)	ND(0.000200)
Nickel	NA	NA	ND(0.0600)	ND(0.0400)
Selenium	NA	NA	ND(0.00600) J	ND(0.00500) J
Silver	NA	NA	ND(0.0130)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	NA	NA	ND(0.0130)	ND(0.0100) J
Vanadium	NA	NA	ND(0.0600)	ND(0.0500)
Zinc	NA	NA	ND(0.0260)	0.0200 B
Inorganics-Filtered				
Antimony	0.00770 B	ND(0.0600)	NA	ND(0.0600)
Arsenic	ND(0.0100)	ND(0.0100)	NA	ND(0.0100)
Barium	0.0170 B	0.0320 B	NA	0.0570 J
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(0.0100)
Cobalt	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)	NA	0.00730 J
Cyanide	0.00170 B	0.00220 B	NA	NA
Lead	ND(0.00300)	ND(0.00300)	NA	ND(0.00500)
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) J
Silver	ND(0.00500)	ND(0.00500)	NA	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500)	NA	ND(0.0500)
Zinc	ND(0.0200)	0.00220 B	NA	0.0200 B

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 11/1-11/07/01	OPCA-MW-7 04/24/02	OPCA-MW-7 04/23/03	OPCA-MW-7 11/13/03
Volatile Organics				
Acetone	ND(0.010) J [ND(0.010) J]	ND(0.010) J	ND(0.010)	ND(0.010)
Chlorobenzene	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(0.0020) [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	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)	ND(0.000065)	0.000085
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	ND(0.000065)	0.000085
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)	ND(0.000065) J	0.000066
Aroclor-1260	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	ND(0.000065)	ND(0.000065) J	0.000066
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
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(0.0000000000021) X	ND(0.0000000012)	ND(0.0000000034)	ND(0.0000000028)
TCDFs (total)	0.0000000000019	ND(0.0000000012)	ND(0.0000000034)	ND(0.0000000028)
1,2,3,7,8-PeCDF	ND(0.0000000000014) X	0.0000000012 J	0.0000000010 J	0.0000000018 J
2,3,4,7,8-PeCDF	ND(0.0000000000024) X	0.0000000013 J	ND(0.0000000024)	ND(0.0000000016)
PeCDFs (total)	0.0000000000043	0.0000000039	0.0000000010	ND(0.0000000034)
1,2,3,4,7,8-HxCDF	ND(0.0000000000010)	0.0000000013 J	ND(0.0000000034)	ND(0.0000000021)
1,2,3,6,7,8-HxCDF	ND(0.00000000000090)	0.0000000013 J	ND(0.0000000030)	ND(0.0000000016)
1,2,3,7,8,9-HxCDF	ND(0.0000000000011)	0.0000000018 J	ND(0.0000000040)	ND(0.0000000033)
2,3,4,6,7,8-HxCDF	ND(0.0000000000010)	ND(0.0000000014) X	ND(0.0000000033)	ND(0.0000000028)
HxCDFs (total)	0.0000000000013	0.0000000055	ND(0.0000000034)	ND(0.0000000038)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000000016)	0.0000000014 J	ND(0.0000000040)	0.0000000030 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000000000020)	ND(0.0000000019) X	ND(0.0000000054)	ND(0.0000000038)
HpCDFs (total)	ND(0.0000000000018)	0.0000000014	ND(0.0000000046)	0.0000000030
OCDF	ND(0.0000000000026) X	0.0000000044 J	ND(0.000000010)	ND(0.000000014)
Dioxins				
2,3,7,8-TCDD	ND(0.00000000000090)	ND(0.0000000019)	ND(0.0000000033)	ND(0.0000000040)
TCDDs (total)	ND(0.00000000000090)	ND(0.0000000019)	ND(0.0000000033)	ND(0.0000000040)
1,2,3,7,8-PeCDD	ND(0.00000000000060)	ND(0.0000000026)	ND(0.0000000032)	ND(0.0000000022)
PeCDDs (total)	ND(0.0000000000016)	ND(0.0000000026)	ND(0.0000000036)	ND(0.0000000022)
1,2,3,4,7,8-HxCDD	ND(0.0000000000018)	ND(0.0000000024)	ND(0.0000000049)	ND(0.0000000050)
1,2,3,6,7,8-HxCDD	ND(0.0000000000016)	ND(0.0000000024)	ND(0.0000000044)	ND(0.0000000048)
1,2,3,7,8,9-HxCDD	ND(0.0000000000017)	0.0000000020 J	ND(0.0000000048)	ND(0.0000000050)
HxCDDs (total)	0.0000000000061	ND(0.0000000024)	ND(0.0000000047)	ND(0.0000000049)
1,2,3,4,6,7,8-HpCDD	0.0000000000062 J	0.0000000029 J	ND(0.0000000074)	ND(0.0000000047)
HpCDDs (total)	0.0000000000062	0.0000000029	ND(0.0000000074)	ND(0.0000000047)
OCDD	0.000000000020 J	ND(0.000000011)	ND(0.000000012) X	ND(0.000000023)
Total TEQs (WHO TEFs)	0.0000000000020	0.0000000040	0.0000000055	0.0000000050

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 11/1-11/07/01	OPCA-MW-7 04/24/02	OPCA-MW-7 04/23/03	OPCA-MW-7 11/13/03
Inorganics-Unfiltered				
Antimony	NA	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	NA	ND(0.200)	0.0160 B	0.0120 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(0.0100)	ND(0.0100)	0.00290 B
Cobalt	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	NA	ND(0.0250)	0.00350 J	ND(0.025)
Cyanide	NA	ND(0.0100)	ND(0.0100)	ND(0.0100)
Lead	NA	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury	NA	ND(0.000200) J	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	NA	ND(0.00500) J	0.00540 J	ND(0.00500)
Silver	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	6.40	ND(5.00)
Thallium	NA	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0230 J	0.0270 J	ND(0.020)
Inorganics-Filtered				
Antimony	NA	ND(0.0600)	0.00960 J	ND(0.0600)
Arsenic	NA	ND(0.100)	ND(0.0100)	ND(0.0100)
Barium	NA	ND(0.200)	0.0150 B	0.0150 B
Beryllium	NA	ND(0.00100)	ND(0.00100) J	0.000430 B
Cadmium	NA	ND(0.0100)	ND(0.00500)	ND(0.00500)
Chromium	NA	ND(0.0250)	0.00140 J	0.00170 B
Cobalt	NA	ND(0.0500)	0.00130 J	ND(0.0500)
Copper	NA	ND(0.100)	ND(0.0250)	ND(0.025)
Cyanide	NA	NA	ND(0.0100)	ND(0.0100)
Lead	NA	ND(0.00300)	ND(0.00300) J	ND(0.00300)
Mercury	NA	ND(0.000200) J	ND(0.000200)	ND(0.000200)
Nickel	NA	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	NA	ND(0.00500) J	ND(0.00500) J	ND(0.00500)
Silver	NA	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	NA	ND(0.0100) J	ND(0.0100) J	ND(0.0100)
Vanadium	NA	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	NA	0.0160 J	0.0100 J	ND(0.020)

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-7 04/29/04	OPCA-MW-7 10/04/04	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01
Volatile Organics				
Acetone	ND(0.010) J	ND(0.010)	ND(0.10)	ND(0.010) [ND(0.010)]
Chlorobenzene	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(0.0020)	ND(0.0020)	ND(0.010)	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	NA	NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]
Aroclor-1248	NA	NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]
Aroclor-1254	NA	NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]
Aroclor-1260	NA	NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]
Total PCBs	NA	NA	ND(0.00010)	ND(0.000065) [ND(0.000065)]
PCBs-Filtered				
Aroclor-1221	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1248	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1254	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Aroclor-1260	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Total PCBs	ND(0.000065)	ND(0.000065)	NA	ND(0.000065) [ND(0.000065)]
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.010)	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) J [ND(0.010) J]
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(0.00000000030)	ND(0.0000000027)	ND(0.00000000070)	ND(0.0000000010) [ND(0.0000000018) X]
TCDFs (total)	0.000000011 I	ND(0.0000000027)	ND(0.00000000070)	ND(0.0000000010) [ND(0.0000000032) X]
1,2,3,7,8-PeCDF	ND(0.00000000033)	ND(0.0000000011)	ND(0.0000000029)	ND(0.0000000028) [ND(0.000000026)]
2,3,4,7,8-PeCDF	ND(0.00000000032)	ND(0.0000000011)	ND(0.0000000027)	ND(0.0000000011) [0.0000000034 J]
PeCDFs (total)	0.000000029 I	ND(0.0000000020)	ND(0.0000000029)	ND(0.0000000028) [0.000000040]
1,2,3,4,7,8-HxCDF	ND(0.00000000023)	ND(0.0000000011)	ND(0.0000000097)	ND(0.0000000014) [ND(0.0000000045)]
1,2,3,6,7,8-HxCDF	ND(0.00000000022)	ND(0.00000000051)	ND(0.0000000099)	ND(0.00000000070) [ND(0.0000000028)]
1,2,3,7,8,9-HxCDF	ND(0.00000000026)	ND(0.00000000066)	ND(0.0000000094)	ND(0.00000000090) [0.0000000018 JB]
2,3,4,6,7,8-HxCDF	ND(0.00000000021)	ND(0.00000000059)	ND(0.000000010)	ND(0.00000000080) [ND(0.0000000023)]
HxCDFs (total)	0.0000000046 I	ND(0.0000000011)	ND(0.000000010)	ND(0.0000000014) [0.000000025]
1,2,3,4,6,7,8-HpCDF	ND(0.00000000017)	ND(0.00000000057)	ND(0.000000022)	ND(0.0000000013) [ND(0.0000000036) XB]
1,2,3,4,7,8,9-HpCDF	ND(0.00000000022)	ND(0.00000000061)	ND(0.000000022)	ND(0.0000000016) [0.0000000040 JB]
HpCDFs (total)	ND(0.00000000022)	ND(0.00000000061)	ND(0.000000022)	ND(0.0000000014) [0.0000000058]
OCDF	ND(0.00000000056)	ND(0.0000000029)	ND(0.000000025)	ND(0.0000000031) [0.0000000095 J]
Dioxins				
2,3,7,8-TCDD	ND(0.00000000017)	ND(0.00000000097)	ND(0.0000000011)	ND(0.0000000013) [ND(0.0000000014)]
TCDDs (total)	ND(0.00000000017)	ND(0.00000000097)	ND(0.0000000011)	ND(0.0000000013) [ND(0.0000000014)]
1,2,3,7,8-PeCDD	ND(0.0000000014)	ND(0.0000000018)	ND(0.000000011)	ND(0.0000000016) [ND(0.0000000040)]
PeCDDs (total)	ND(0.0000000014)	ND(0.0000000018)	ND(0.000000011)	ND(0.0000000016) [0.0000000040]
1,2,3,4,7,8-HxCDD	ND(0.00000000055)	ND(0.0000000018)	ND(0.000000013)	ND(0.0000000013) [ND(0.0000000024)]
1,2,3,6,7,8-HxCDD	ND(0.00000000055)	ND(0.0000000014)	ND(0.000000016)	ND(0.0000000013) [ND(0.0000000019) XB]
1,2,3,7,8,9-HxCDD	ND(0.00000000059)	ND(0.0000000015)	ND(0.000000014)	ND(0.0000000012) [ND(0.0000000038)]
HxCDDs (total)	ND(0.00000000059)	ND(0.0000000018)	ND(0.000000016)	ND(0.000000012) [0.0000000062]
1,2,3,4,6,7,8-HpCDD	ND(0.00000000064)	ND(0.0000000012)	ND(0.000000030)	ND(0.0000000024) [ND(0.0000000081)]
HpCDDs (total)	ND(0.00000000064)	ND(0.0000000012)	ND(0.000000030)	ND(0.0000000014) X [0.000000012]
OCDD	ND(0.00000000054)	ND(0.0000000027)	ND(0.000000037)	ND(0.0000000051) XB [ND(0.000000043)]
Total TEQs (WHO TEFs)	0.0000000010	0.0000000022	0.000000011	0.0000000023 [0.0000000063]

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
GROUNDWATER MANAGEMENT AREA 4
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	OPCA-MW-7 04/29/04	OPCA-MW-7 10/04/04	OPCA-MW-8 06/14/99	OPCA-MW-8 05/01/01
Inorganics-Unfiltered				
Antimony	NA	NA	ND(0.0600)	ND(0.0600) [ND(0.0600)]
Arsenic	NA	NA	ND(0.00600)	ND(0.0100) J [ND(0.0100) J]
Barium	NA	NA	0.0860	0.0290 B [0.0300 B]
Beryllium	NA	NA	ND(0.00600)	ND(0.00100) [ND(0.00100)]
Cadmium	NA	NA	ND(0.00600)	ND(0.00500) [ND(0.00500)]
Chromium	NA	NA	ND(0.0130)	0.00600 B [0.00520 B]
Cobalt	NA	NA	ND(0.0600)	ND(0.0500) [ND(0.0500)]
Copper	NA	NA	ND(0.0330)	ND(0.0250) [ND(0.0250)]
Cyanide	NA	NA	ND(0.0200)	ND(0.0100) [ND(0.0100)]
Lead	NA	NA	ND(0.130) J	ND(0.00500) J [ND(0.00500) J]
Mercury	NA	NA	ND(0.000500)	ND(0.000200) [ND(0.000200)]
Nickel	NA	NA	ND(0.0600)	ND(0.0400) [ND(0.0400)]
Selenium	NA	NA	ND(0.00600) J	ND(0.00500) [ND(0.00500)]
Silver	NA	NA	ND(0.0130)	ND(0.00500) [ND(0.00500)]
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	ND(5.00) [ND(5.00)]
Thallium	NA	NA	ND(0.0130)	ND(0.0100) J [ND(0.0100) J]
Vanadium	NA	NA	ND(0.0600)	ND(0.0500) [ND(0.0500)]
Zinc	NA	NA	ND(0.0260)	0.0970 [0.120]
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	NA	ND(0.0600) [ND(0.0600)]
Arsenic	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) J [ND(0.0100) J]
Barium	0.0140 B	0.0140 B	NA	0.0280 J [0.0280 J]
Beryllium	ND(0.00100)	ND(0.00100)	NA	ND(0.00100) [ND(0.00100)]
Cadmium	ND(0.00500)	ND(0.00500)	NA	ND(0.00500) [ND(0.00500)]
Chromium	0.00140 B	0.00110 B	NA	0.00290 B [0.00370 B]
Cobalt	ND(0.0500)	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]
Copper	ND(0.0250)	ND(0.0250)	NA	ND(0.0250) [0.00420 B]
Cyanide	ND(0.0100)	ND(0.0100)	NA	NA
Lead	ND(0.00300)	ND(0.00300)	NA	ND(0.00500) J [ND(0.00500) J]
Mercury	ND(0.000200)	ND(0.000200)	NA	ND(0.000200) [ND(0.000200)]
Nickel	ND(0.0400)	ND(0.0400)	NA	ND(0.0400) [0.00410 B]
Selenium	ND(0.00500)	ND(0.00500)	NA	ND(0.00500) [ND(0.00500)]
Silver	ND(0.00500)	ND(0.00500)	NA	ND(0.00500) [ND(0.00500)]
Thallium	ND(0.0100)	ND(0.0100)	NA	ND(0.0100) J [ND(0.0100) J]
Vanadium	ND(0.0500)	ND(0.0500)	NA	ND(0.0500) [ND(0.0500)]
Zinc	0.00360 B	0.00320 B	NA	0.0540 [0.0560]

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 11/01/01	OPCA-MW-8 04/23/02	OPCA-MW-8 10/07/02	OPCA-MW-8 04/24/03
Volatile Organics				
Acetone	ND(0.010) J	ND(0.010) J	ND(0.010)	0.026
Chlorobenzene	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)
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	ND(0.20)	ND(0.20)	ND(0.20)	0.026
PCBs-Unfiltered				
Aroclor-1221	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	0.000095	ND(0.000065)	0.00014	0.00020
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.00011
Total PCBs	0.000095	ND(0.000065)	0.00014	0.00031
PCBs-Filtered				
Aroclor-1221	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	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Semivolatile Organics				
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	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)
Naphthalene	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)
Organochlorine Pesticides				
None Detected	NA	--	--	NA
Organophosphate Pesticides				
None Detected	NA	--	--	NA
Herbicides				
None Detected	NA	--	--	NA
Furans				
2,3,7,8-TCDF	ND(0.0000000000060)	ND(0.0000000017)	ND(0.0000000015)	ND(0.0000000024)
TCDFs (total)	ND(0.0000000000060)	ND(0.0000000017)	ND(0.0000000015)	0.0000000015
1,2,3,7,8-PeCDF	ND(0.0000000000044)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000025)
2,3,4,7,8-PeCDF	ND(0.0000000000043)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000025)
PeCDFs (total)	ND(0.0000000000043)	ND(0.0000000025)	ND(0.0000000024)	0.0000000029
1,2,3,4,7,8-HxCDF	ND(0.0000000000017)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000026)
1,2,3,6,7,8-HxCDF	ND(0.0000000000015)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000025)
1,2,3,7,8,9-HxCDF	ND(0.0000000000019)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000030)
2,3,4,6,7,8-HxCDF	ND(0.0000000000017)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000025)
HxCDFs (total)	ND(0.0000000000017)	ND(0.0000000025)	ND(0.0000000023)	0.0000000031
1,2,3,4,6,7,8-HpCDF	0.0000000000052 JQ	ND(0.0000000025)	ND(0.0000000015)	ND(0.0000000027) X
1,2,3,4,7,8,9-HpCDF	ND(0.0000000000030)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000032)
HpCDFs (total)	ND(0.0000000000052)	ND(0.0000000025)	ND(0.0000000015)	ND(0.0000000027)
OCDF	ND(0.0000000000087) X	ND(0.0000000049)	ND(0.0000000049)	ND(0.000000010)
Dioxins				
2,3,7,8-TCDD	ND(0.0000000000075)	ND(0.0000000027)	ND(0.0000000012)	ND(0.0000000019)
TCDDs (total)	ND(0.0000000000075)	ND(0.0000000027)	ND(0.0000000018)	ND(0.0000000036)
1,2,3,7,8-PeCDD	ND(0.0000000000075)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000025)
PeCDDs (total)	ND(0.0000000000075)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000043)
1,2,3,4,7,8-HxCDD	ND(0.0000000000052)	ND(0.0000000025)	ND(0.0000000027)	ND(0.0000000033)
1,2,3,6,7,8-HxCDD	ND(0.0000000000046)	ND(0.0000000025)	ND(0.0000000024)	ND(0.0000000030)
1,2,3,7,8,9-HxCDD	ND(0.0000000000047)	ND(0.0000000025)	ND(0.0000000025)	ND(0.0000000033)
HxCDDs (total)	ND(0.0000000000048)	ND(0.0000000025)	ND(0.0000000035)	ND(0.0000000032)
1,2,3,4,6,7,8-HpCDD	ND(0.000000000011) X	ND(0.0000000029) X	ND(0.0000000053) X	ND(0.0000000042)
HpCDDs (total)	ND(0.0000000000080)	0.0000000017	ND(0.0000000027)	ND(0.0000000042)
OCDD	ND(0.00000000011)	ND(0.000000013)	ND(0.000000034)	0.000000012 J
Total TEQs (WHO TEFs)	0.000000000010	0.0000000043	0.0000000034	0.0000000041

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 11/01/01	OPCA-MW-8 04/23/02	OPCA-MW-8 10/07/02	OPCA-MW-8 04/24/03
Inorganics-Unfiltered				
Antimony	ND(0.0600)	ND(0.0600)	0.00420 B	0.0110 B
Arsenic	ND(0.0100)	ND(0.0100)	ND(0.0100)	ND(0.0100)
Barium	0.0350 B	ND(0.200)	0.0340 B	0.0410 B
Beryllium	ND(0.00100)	ND(0.00100)	ND(0.00100) J	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500) J	ND(0.00500)
Chromium	0.00370 B	ND(0.0100)	0.00270 J	0.00700 B
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)	0.00120 B
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)	0.00350 B
Cyanide	0.0260	ND(0.0100)	0.00860 B	ND(0.0100)
Lead	0.00490 BJ	ND(0.00300)	ND(0.00300)	0.00300 J
Mercury	ND(0.000200)	ND(0.000200) J	0.000220	ND(0.000200) J
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)	0.00240 B
Selenium	ND(0.00500)	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)	8.00
Thallium	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J	ND(0.0100) J
Vanadium	0.00440 B	ND(0.0500)	0.00230 B	0.00240 B
Zinc	0.180	0.0110 J	0.0330 J	0.0960
Inorganics-Filtered				
Antimony	ND(0.0600)	ND(0.0600)	0.00650 B	0.0120 B
Arsenic	ND(0.0100)	ND(0.100)	ND(0.0100)	ND(0.0100)
Barium	0.0310 B	ND(0.200)	0.0390 B	0.0420 B
Beryllium	ND(0.00100)	ND(0.00100)	0.00300 J	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.0100)	ND(0.00500) J	ND(0.00500)
Chromium	ND(0.0100)	ND(0.0250)	0.00450 J	0.00540 B
Cobalt	ND(0.0500)	ND(0.0500)	0.00230 B	ND(0.0500)
Copper	ND(0.0250)	ND(0.100)	0.00530 B	0.00220 B
Cyanide	NA	NA	ND(0.0100)	0.00580 B
Lead	ND(0.00500) J	ND(0.00300)	ND(0.00300)	ND(0.00300) J
Mercury	ND(0.000200)	ND(0.000200) J	0.000240	ND(0.000200) J
Nickel	ND(0.0400)	ND(0.0400)	0.00420 B	ND(0.0400)
Selenium	ND(0.00500)	ND(0.00500) J	ND(0.00500) J	ND(0.00500) J
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100) J	ND(0.0100) J	0.00810 J	ND(0.0100) J
Vanadium	ND(0.0500)	ND(0.0500)	0.00470 B	0.00200 B
Zinc	0.100	0.0120 B J	0.0320 J	0.0410 J

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 11/17/03	OPCA-MW-8 04/28/04	OPCA-MW-8 10/05/04
Volatile Organics			
Acetone	ND(0.010)	ND(0.010) J	ND(0.010) J
Chlorobenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Toluene	ND(0.0050)	0.0024 J	ND(0.0050)
Trichloroethene	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs	ND(0.20)	0.0024 J	ND(0.20)
PCBs-Unfiltered			
Aroclor-1221	ND(0.000065)	NA	NA
Aroclor-1248	ND(0.000065)	NA	NA
Aroclor-1254	0.00068	NA	NA
Aroclor-1260	0.00024	NA	NA
Total PCBs	0.00092	NA	NA
PCBs-Filtered			
Aroclor-1221	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	0.00033	0.000055 J	0.000041 J
Aroclor-1260	0.000029 J	ND(0.000065)	0.000025 J
Total PCBs	0.000359	0.000055 J	0.000066 J
Semivolatile Organics			
Acenaphthene	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060)
Dibenzofuran	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)
Phenol	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(0.0000000016)	ND(0.00000000072)	ND(0.0000000024)
TCDFs (total)	0.00000061 I	0.000000086 I	ND(0.0000000024)
1,2,3,7,8-PeCDF	ND(0.0000000019)	ND(0.00000000068)	ND(0.0000000013)
2,3,4,7,8-PeCDF	ND(0.0000000014)	ND(0.00000000062)	ND(0.0000000013)
PeCDFs (total)	0.0000014 I	0.00000016 I	ND(0.0000000018)
1,2,3,4,7,8-HxCDF	0.00000012 I	0.000000020 I	ND(0.0000000019)
1,2,3,6,7,8-HxCDF	ND(0.00000000072)	ND(0.00000000048)	ND(0.00000000073)
1,2,3,7,8,9-HxCDF	ND(0.00000000084)	ND(0.00000000058)	ND(0.00000000094)
2,3,4,6,7,8-HxCDF	ND(0.00000000079)	ND(0.00000000049)	ND(0.00000000084)
HxCDFs (total)	0.00000062 I	0.000000089 I	ND(0.0000000019)
1,2,3,4,6,7,8-HpCDF	ND(0.00000000067)	ND(0.00000000025)	ND(0.0000000021)
1,2,3,4,7,8,9-HpCDF	ND(0.00000000080)	ND(0.00000000037)	ND(0.00000000075)
HpCDFs (total)	0.000000012	ND(0.00000000037)	ND(0.0000000021)
OCDF	ND(0.00000000066)	ND(0.00000000085)	ND(0.0000000024)
Dioxins			
2,3,7,8-TCDD	ND(0.00000000065)	ND(0.00000000017)	ND(0.00000000087)
TCDDs (total)	ND(0.00000000065)	ND(0.00000000017)	ND(0.00000000087)
1,2,3,7,8-PeCDD	ND(0.0000000039)	ND(0.0000000043)	ND(0.0000000022)
PeCDDs (total)	ND(0.0000000039)	ND(0.0000000043)	ND(0.0000000022)
1,2,3,4,7,8-HxCDD	ND(0.0000000014)	ND(0.00000000076)	ND(0.0000000012)
1,2,3,6,7,8-HxCDD	ND(0.0000000015)	ND(0.00000000075)	ND(0.00000000095)
1,2,3,7,8,9-HxCDD	ND(0.0000000014)	ND(0.00000000081)	ND(0.00000000099)
HxCDDs (total)	ND(0.0000000015)	ND(0.00000000081)	ND(0.0000000012)
1,2,3,4,6,7,8-HpCDD	ND(0.00000000051)	ND(0.00000000070)	ND(0.0000000011)
HpCDDs (total)	ND(0.00000000051)	ND(0.00000000070)	ND(0.0000000011)
OCDD	ND(0.0000000080)	ND(0.00000000071)	ND(0.0000000068)
Total TEQs (WHO TEFs)	0.000000015	0.0000000046	0.0000000024

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 11/17/03	OPCA-MW-8 04/28/04	OPCA-MW-8 10/05/04
Inorganics-Unfiltered			
Antimony	ND(0.0600)	NA	NA
Arsenic	ND(0.0100) J	NA	NA
Barium	ND(0.20)	NA	NA
Beryllium	ND(0.0010)	NA	NA
Cadmium	ND(0.00500)	NA	NA
Chromium	ND(0.010)	NA	NA
Cobalt	ND(0.0500)	NA	NA
Copper	ND(0.025)	NA	NA
Cyanide	0.00240 B	NA	NA
Lead	ND(0.00300)	NA	NA
Mercury	ND(0.000200)	NA	NA
Nickel	ND(0.0400)	NA	NA
Selenium	ND(0.00500) J	NA	NA
Silver	ND(0.00500)	NA	NA
Sulfide	ND(5.00)	ND(5.00)	ND(5.00)
Thallium	ND(0.0100)	NA	NA
Vanadium	0.00190 B	NA	NA
Zinc	0.0420 J	NA	NA
Inorganics-Filtered			
Antimony	ND(0.0600)	ND(0.0600)	ND(0.0600)
Arsenic	ND(0.0100) J	ND(0.0100)	ND(0.0100)
Barium	ND(0.20)	0.0170 B	0.0340 B
Beryllium	ND(0.00100)	0.000380 B	ND(0.00100)
Cadmium	ND(0.00500)	ND(0.00500)	ND(0.00500)
Chromium	ND(0.010)	0.00260 B	0.00300 B
Cobalt	ND(0.0500)	ND(0.0500)	ND(0.0500)
Copper	ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide	ND(0.0100)	0.00280 B	ND(0.0100)
Lead	ND(0.00300)	ND(0.00300)	ND(0.00300)
Mercury	ND(0.000200)	ND(0.000200)	ND(0.000200)
Nickel	ND(0.0400)	ND(0.0400)	ND(0.0400)
Selenium	ND(0.00500) J	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)
Thallium	ND(0.0100)	ND(0.0100)	ND(0.0100)
Vanadium	ND(0.0500)	ND(0.0500)	ND(0.0500)
Zinc	ND(0.023)	0.0120 B	0.0130 B

TABLE B-1
OPCA MONITORING PROGRAM

GROUNDWATER QUALITY INTERIM REPORT FOR FALL 2004
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 that all constituents for the parameter group were not detected.

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.
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

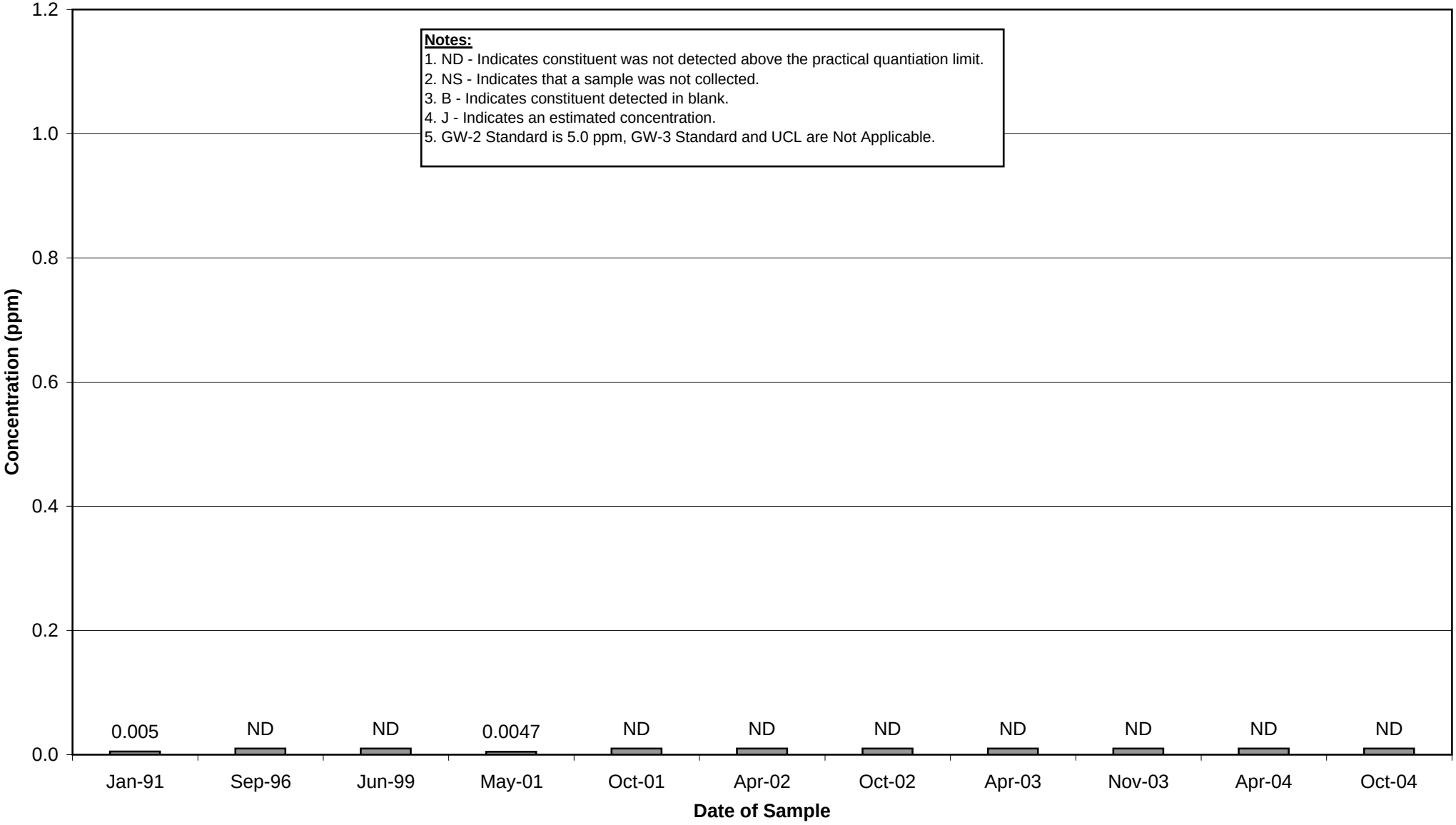
Total VOC Concentrations

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

APPENDIX B
WELL 78-1 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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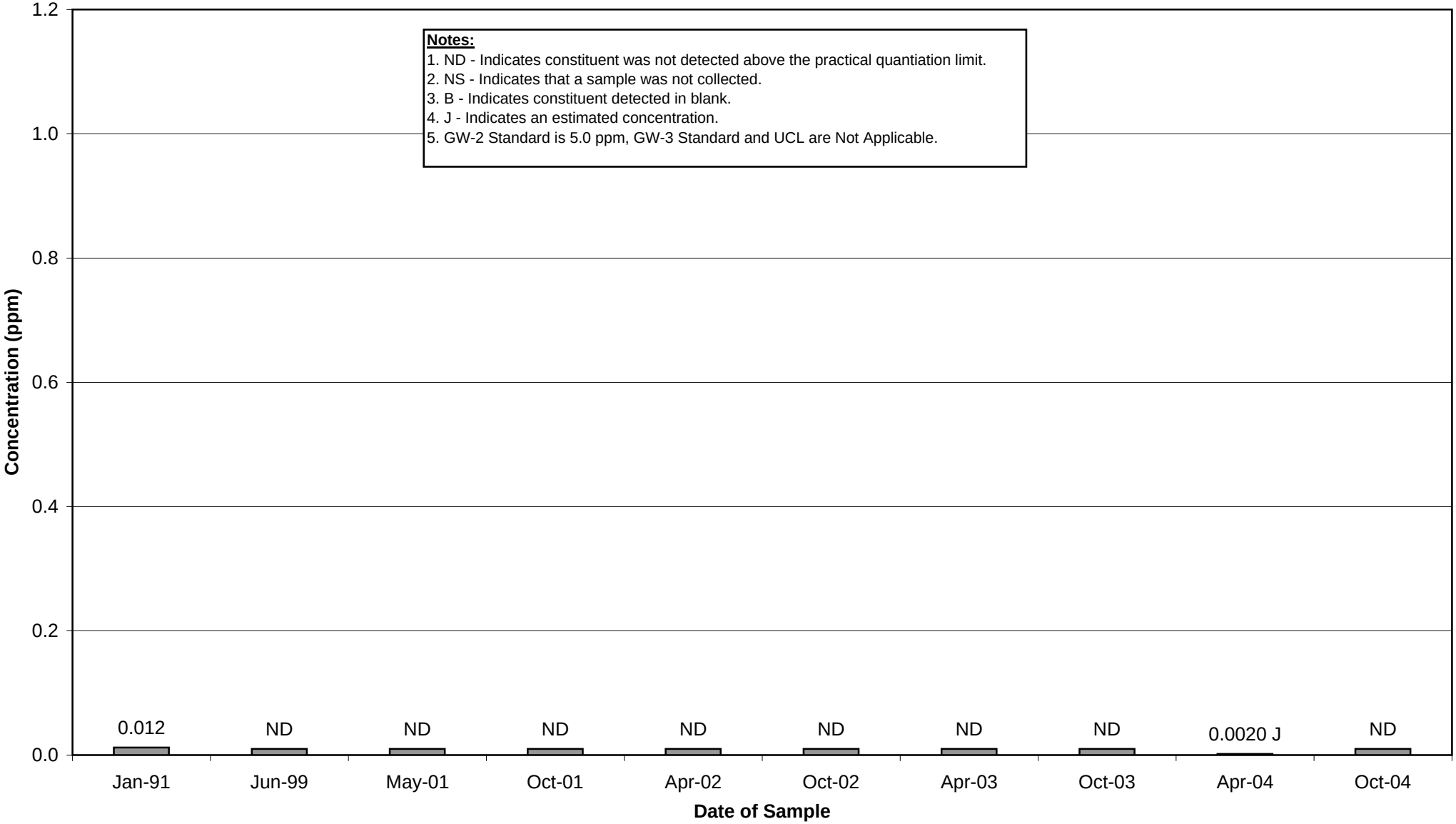
APPENDIX B
WELL 78-6 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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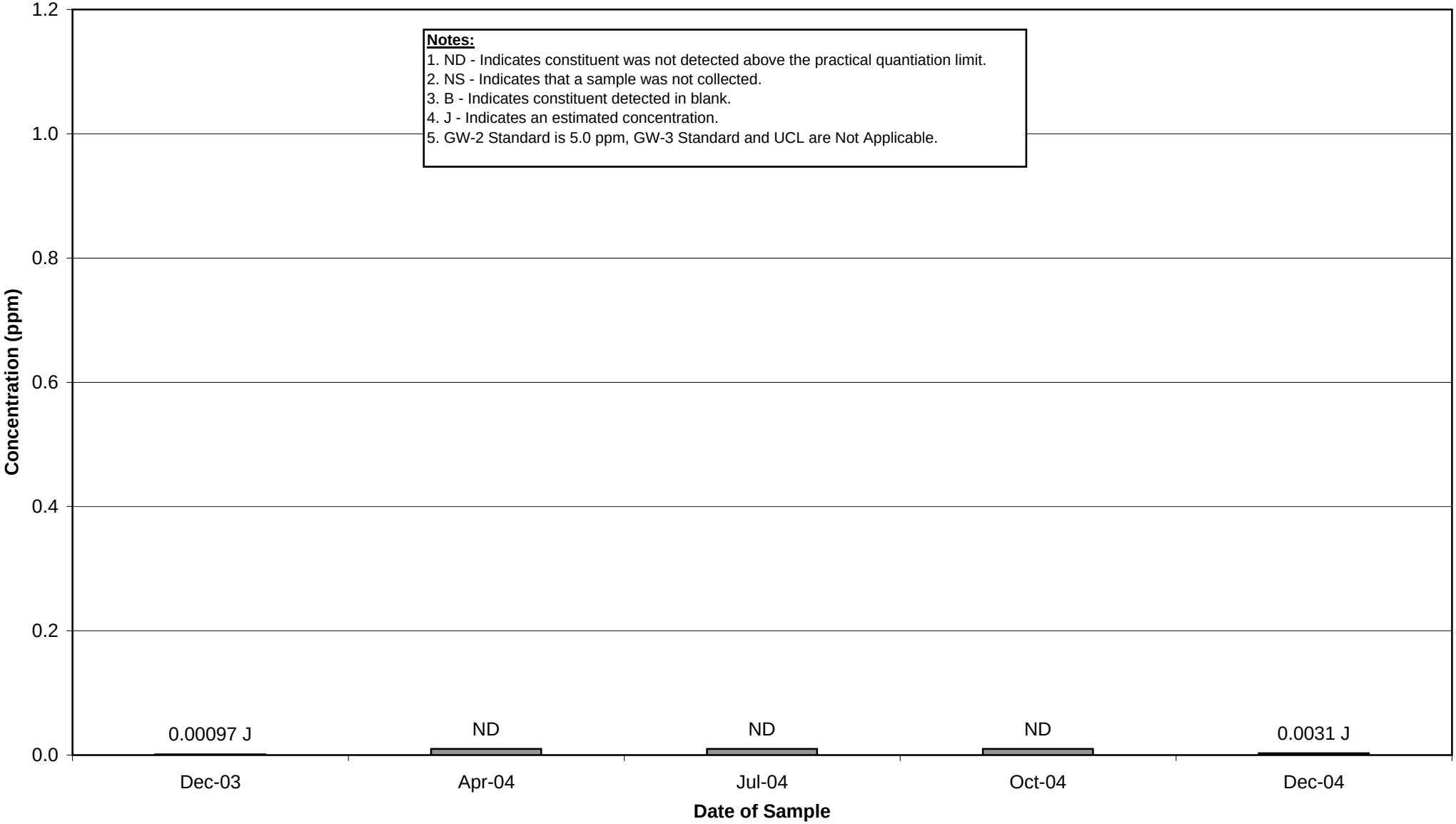
APPENDIX B
WELL GMA4-5 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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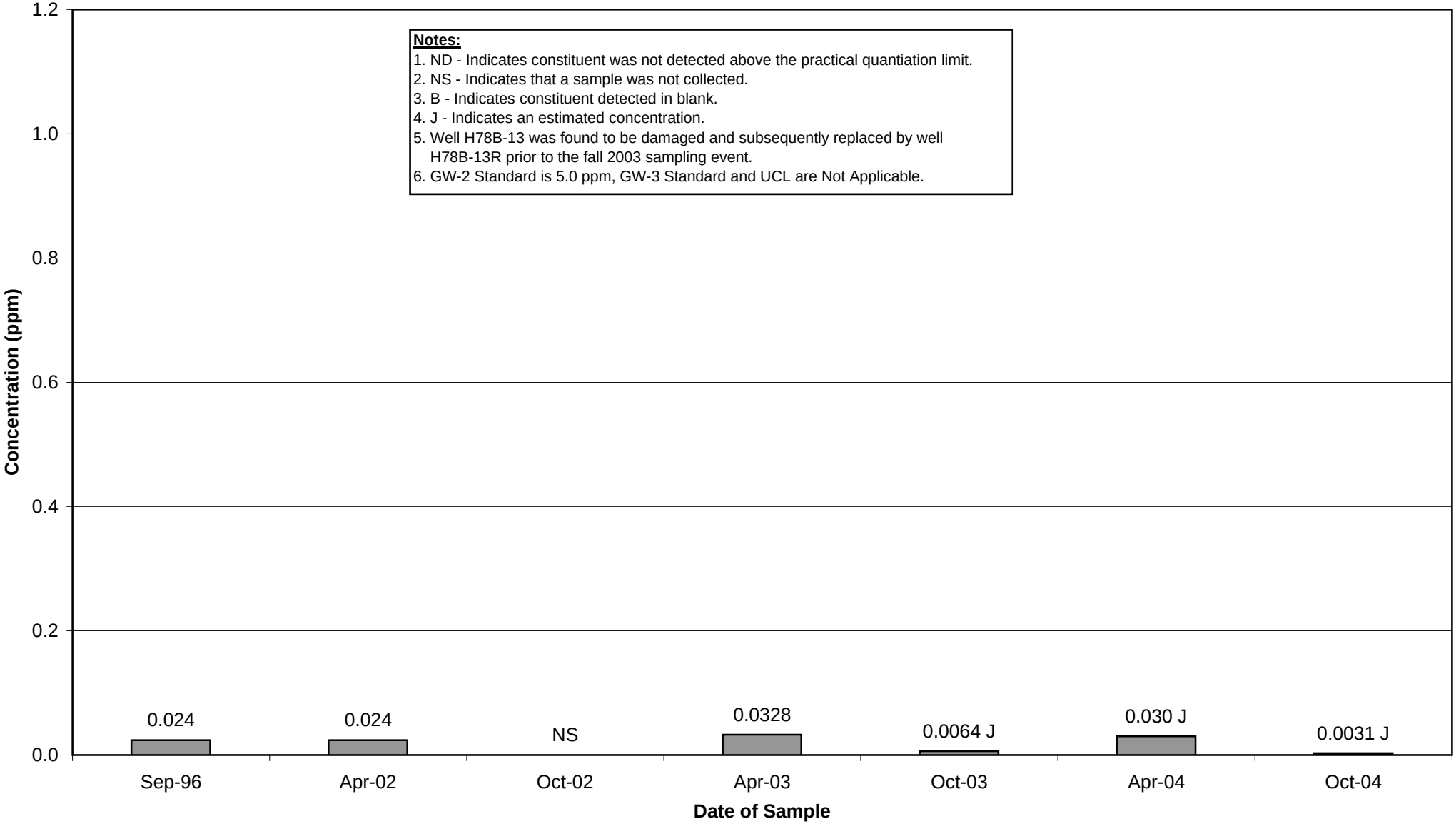
APPENDIX B
WELL H78B-13 & H78B-13R HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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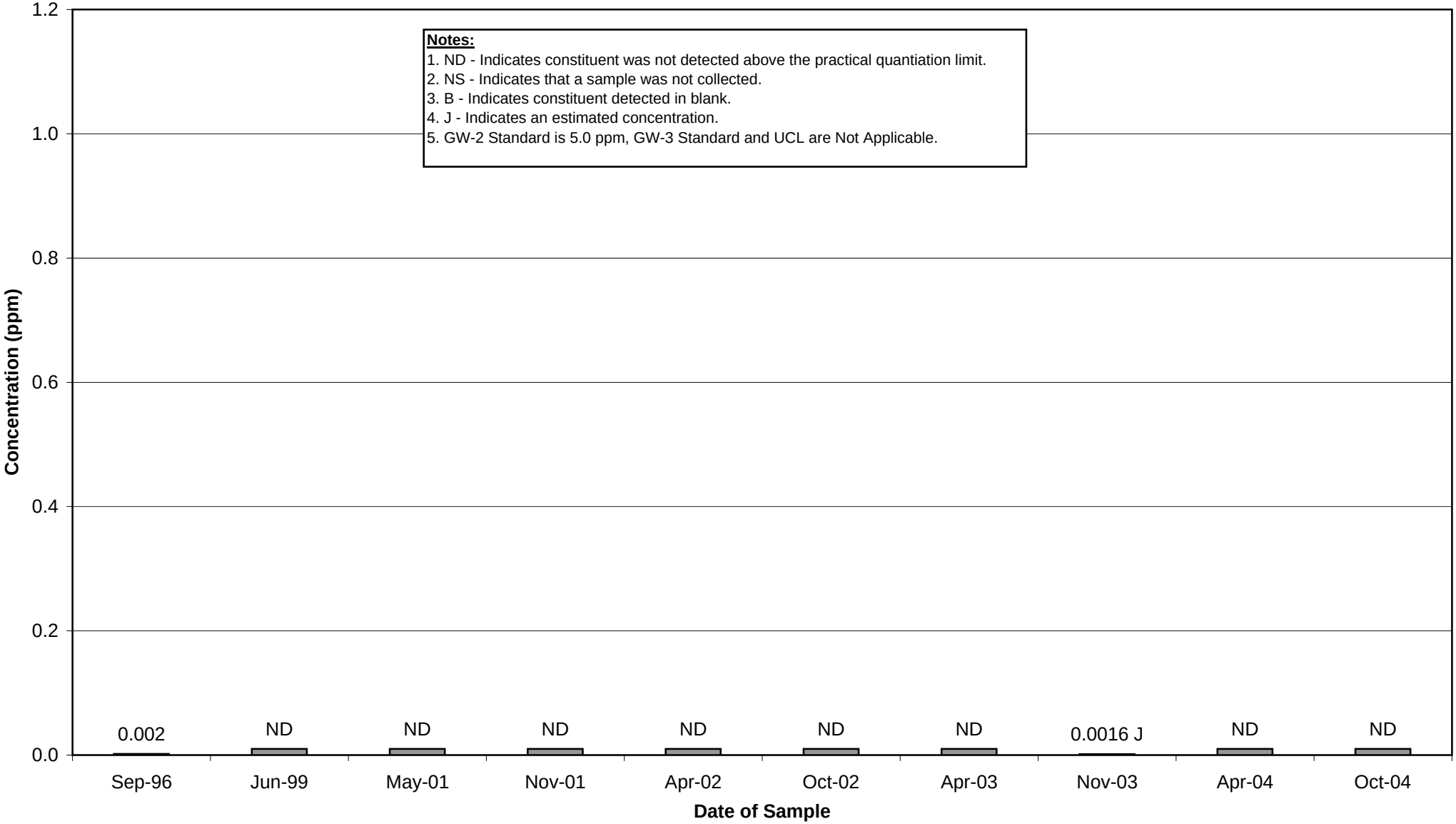
APPENDIX B
WELL H78B-15 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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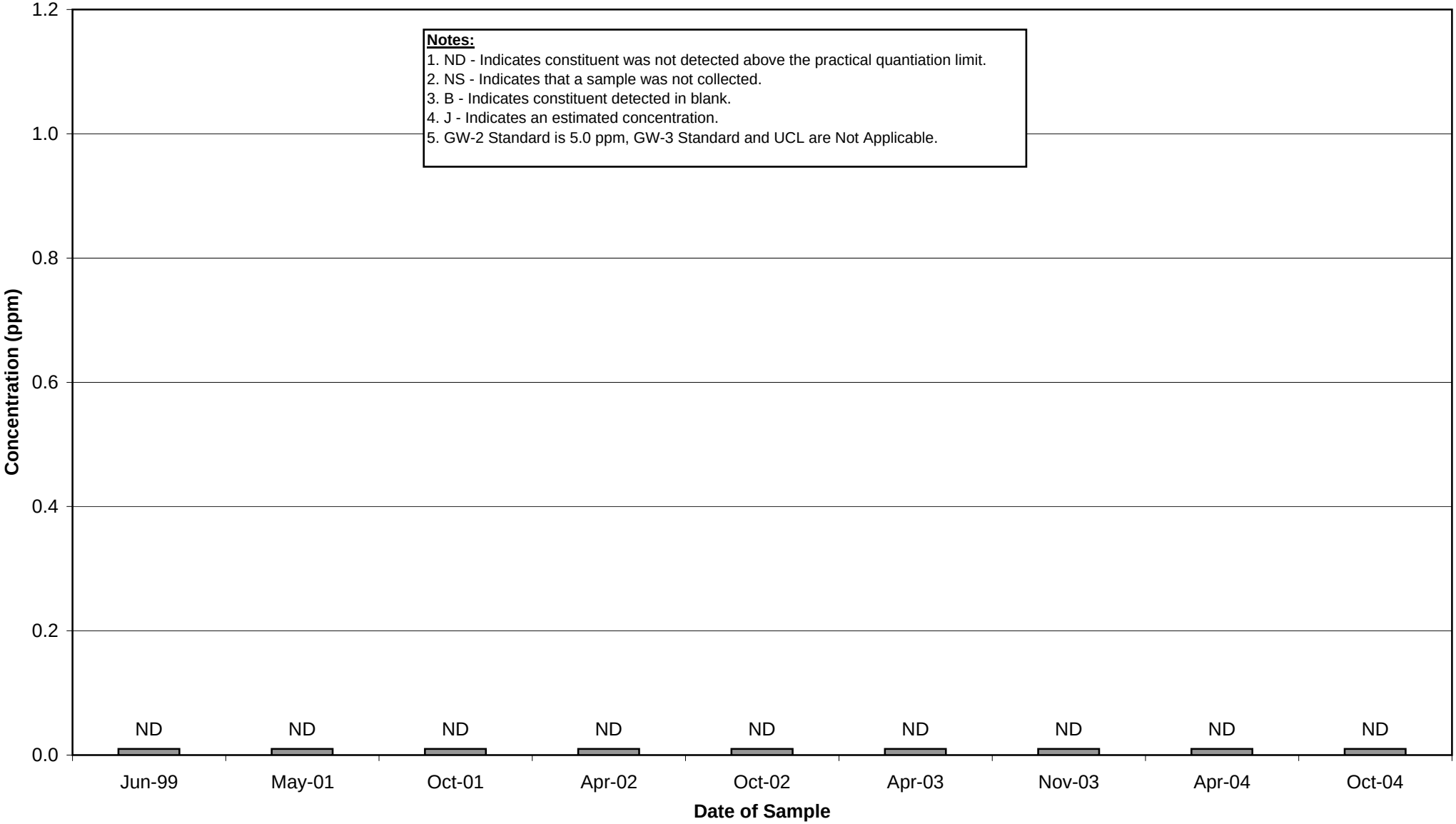
APPENDIX B
WELL OPCA-MW-1 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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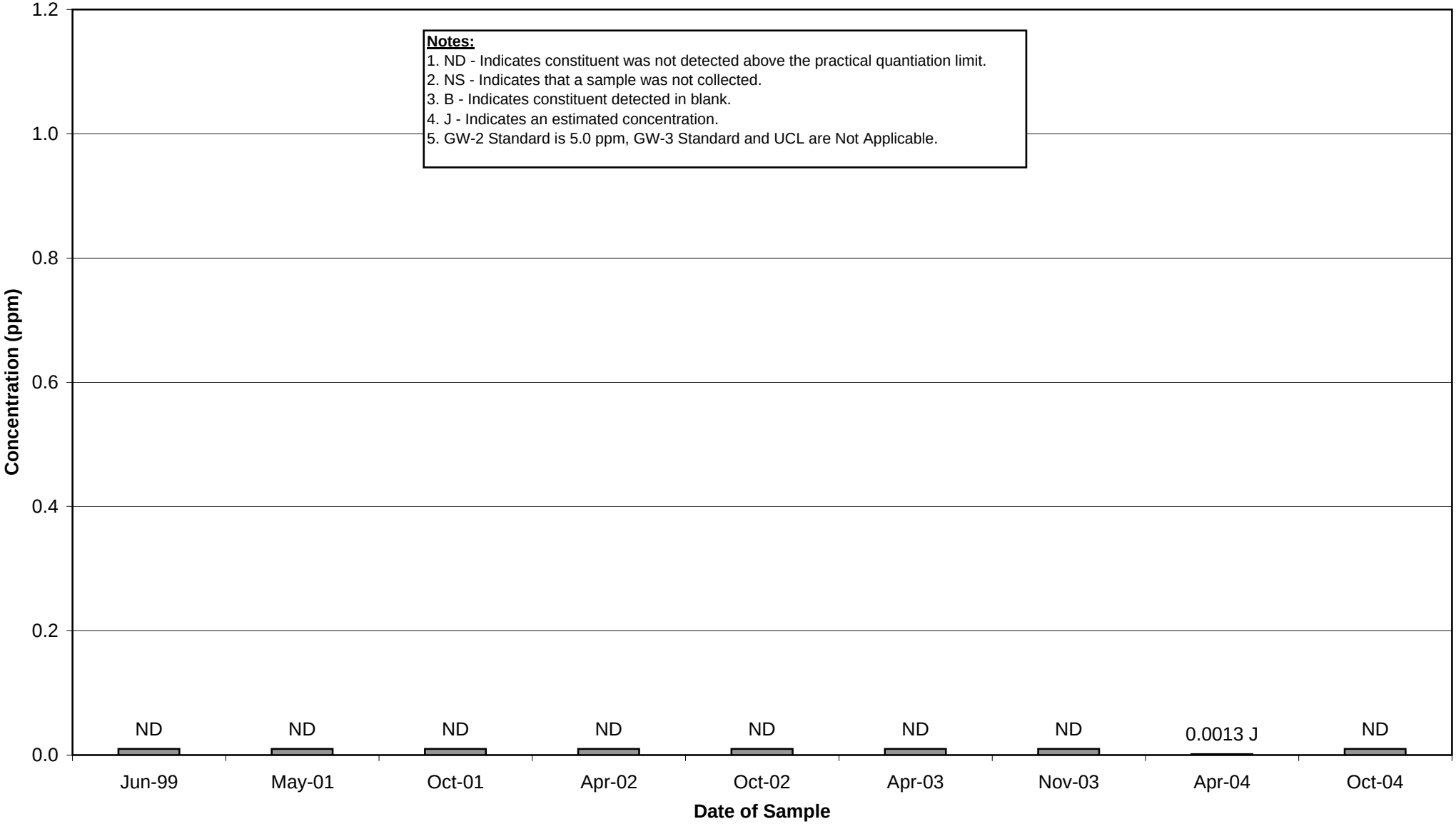
APPENDIX B
WELL OPCA-MW-2 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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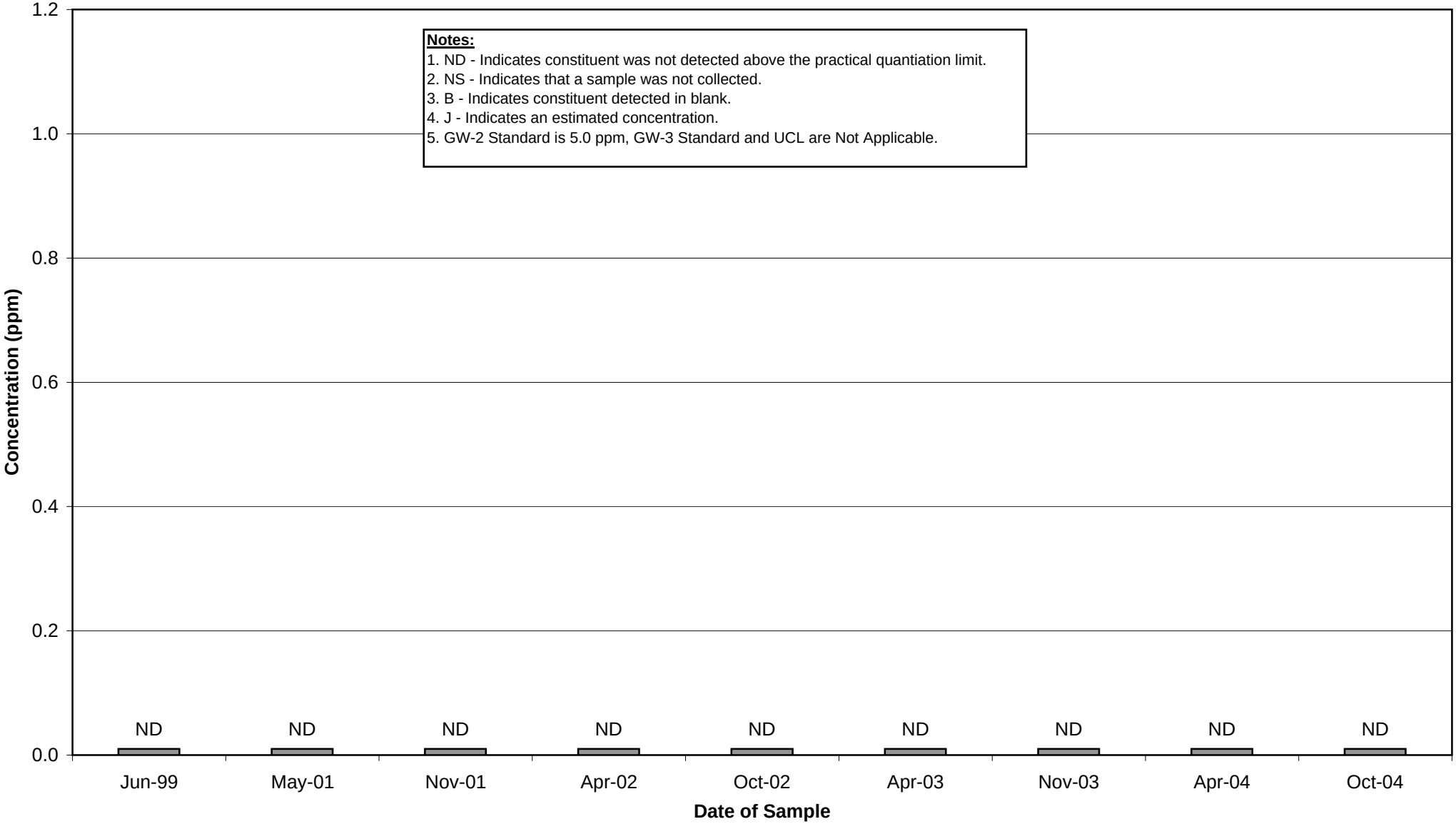
APPENDIX B
WELL OPCA-MW-3 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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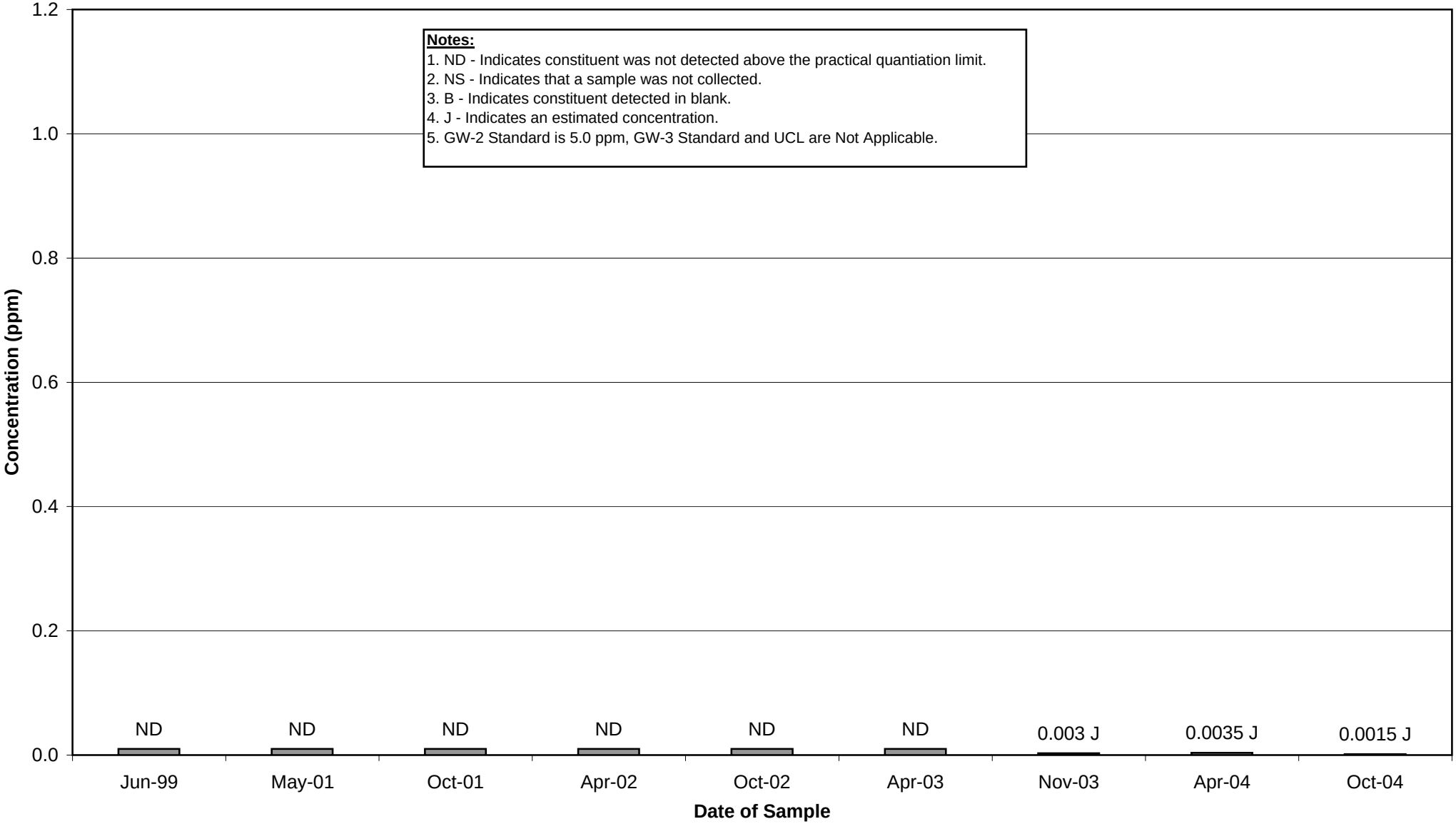
APPENDIX B
WELL OPCA-MW-4 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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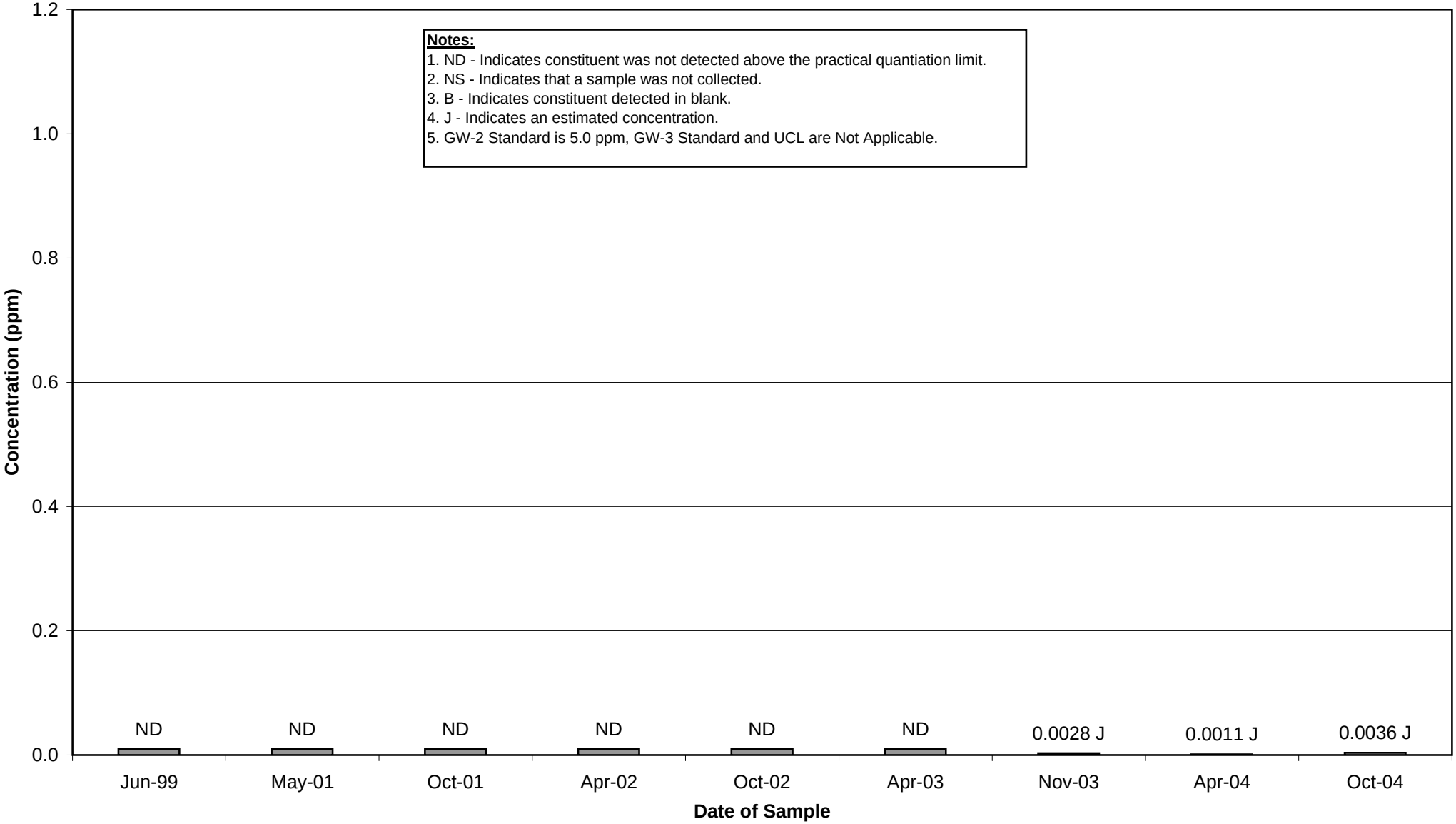
APPENDIX B
WELL OPCA-MW-5R HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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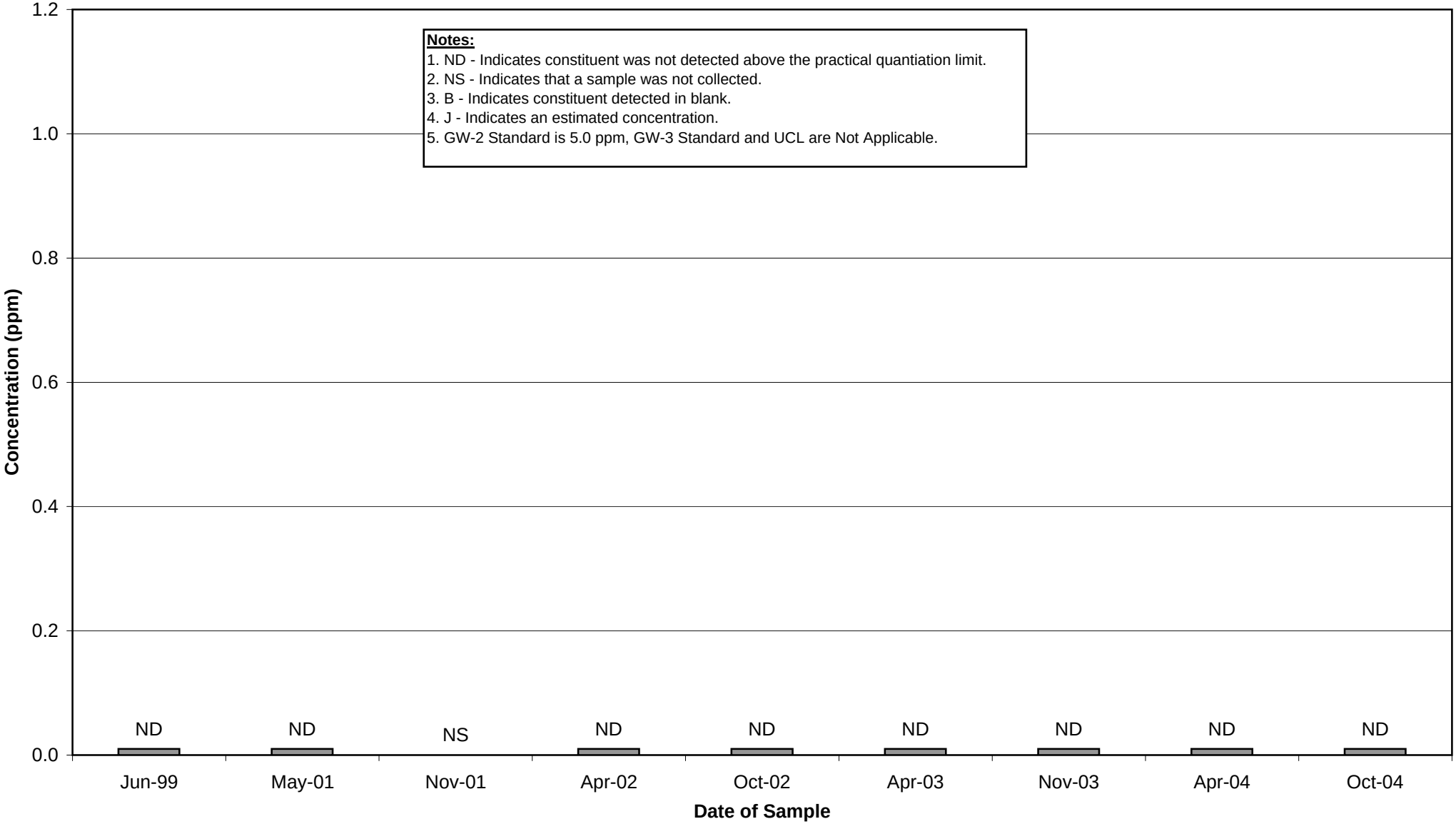
APPENDIX B
WELL OPCA-MW-6 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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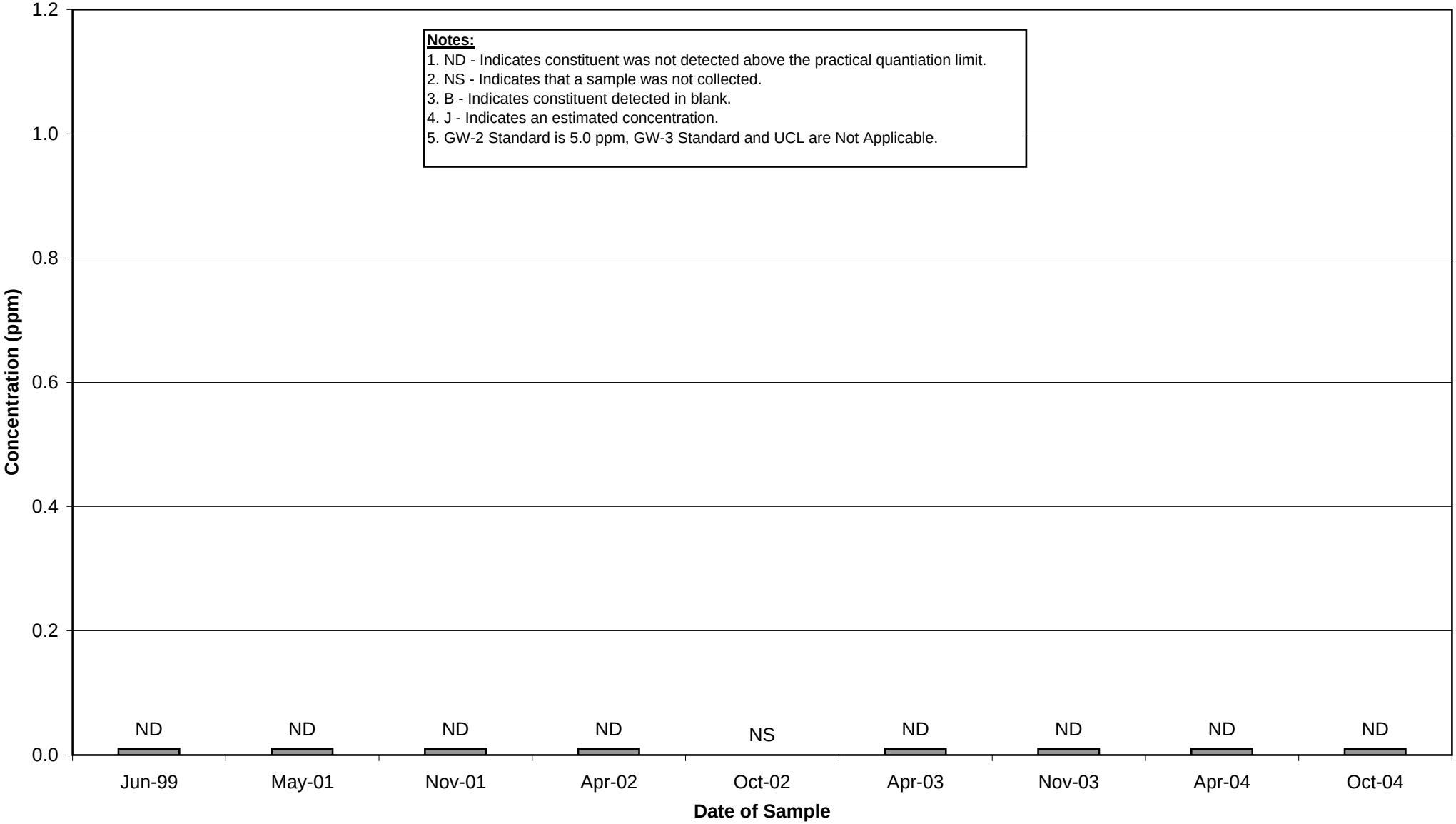
APPENDIX B
WELL OPCA-MW-7 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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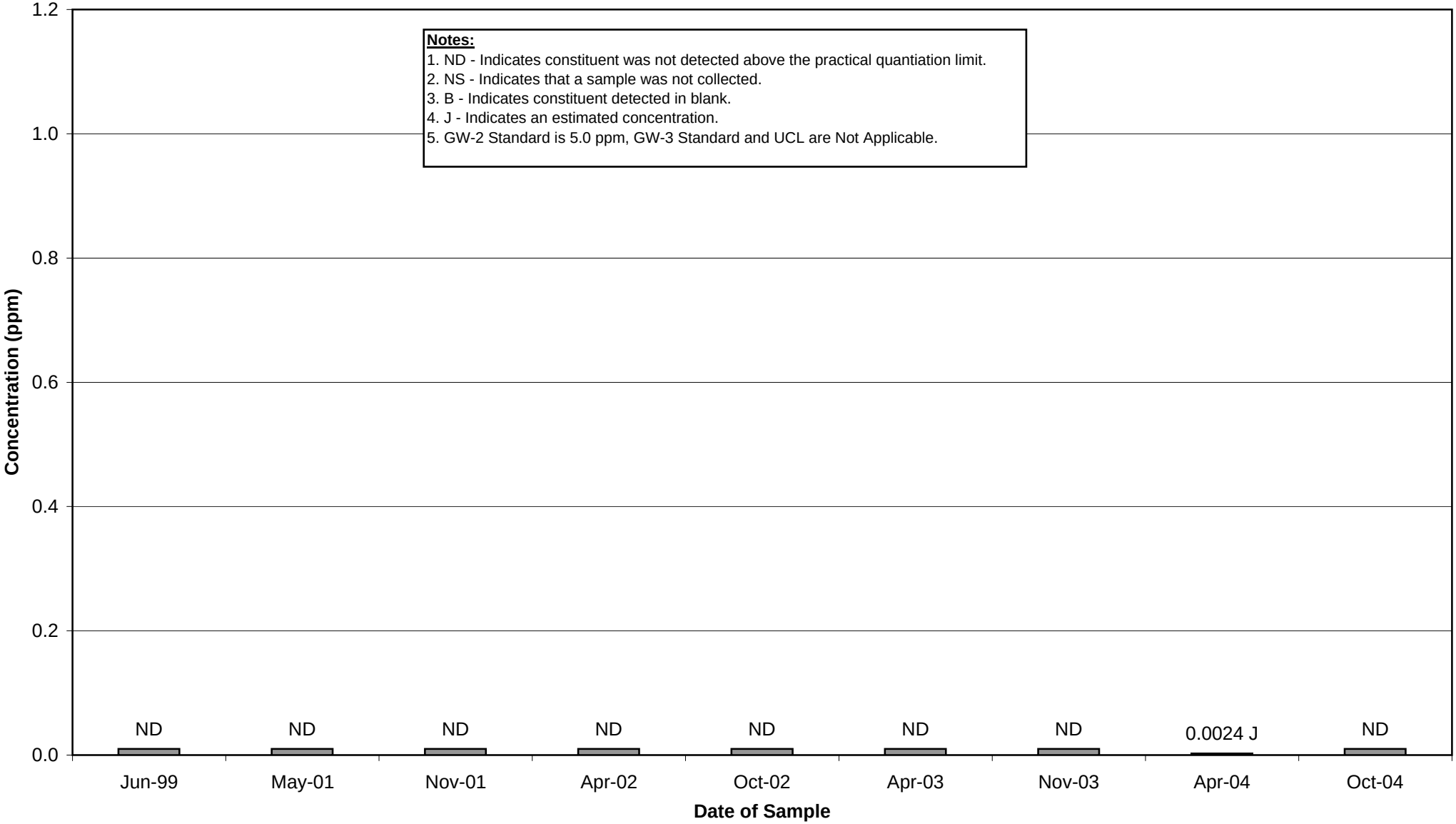
APPENDIX B
WELL OPCA-MW-8 HISTORICAL TOTAL VOC CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



2/24/2005

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Historical Groundwater Data

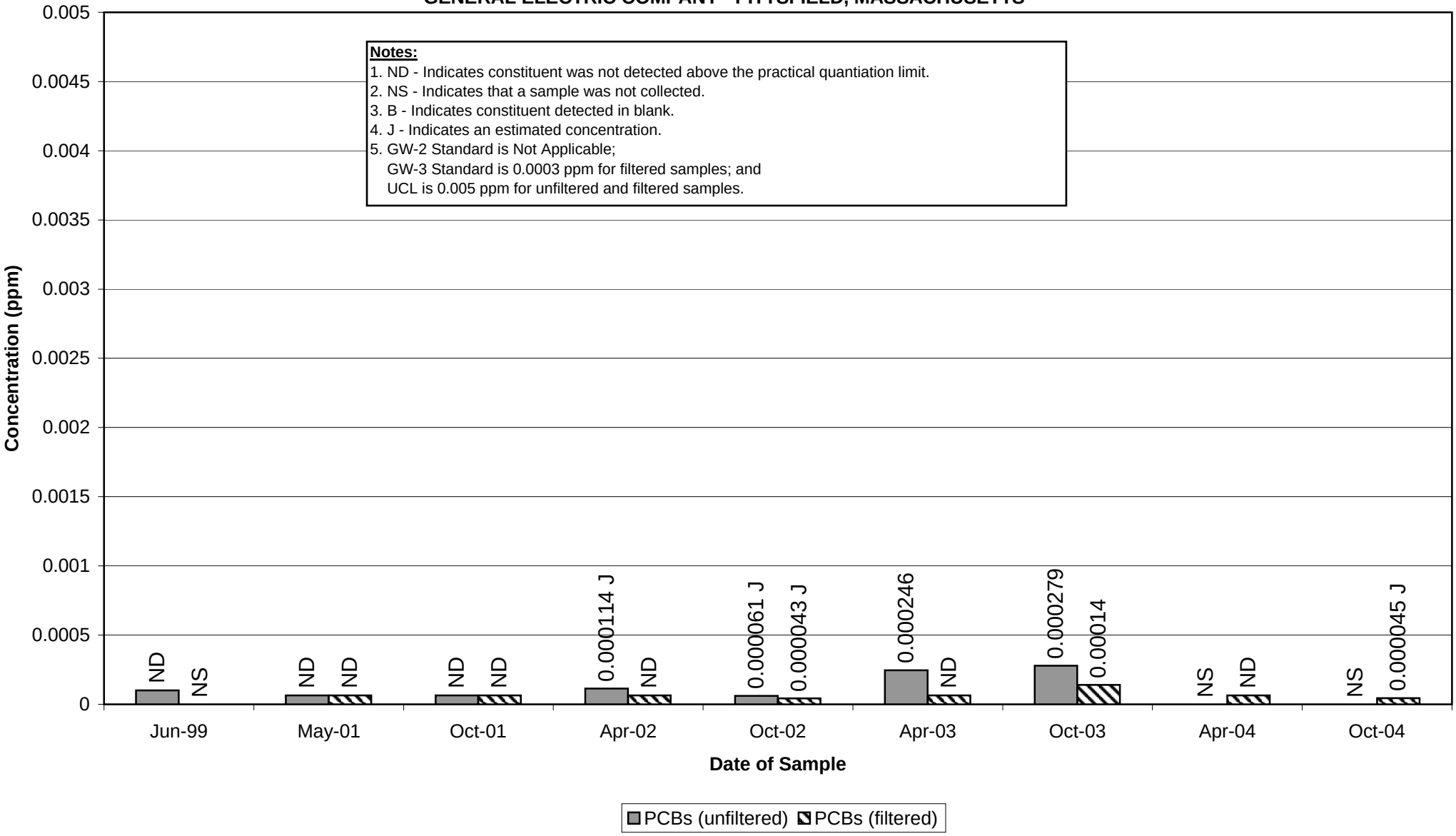
Total PCB Concentrations

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

APPENDIX B
WELL 78-1 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



2/24/2005

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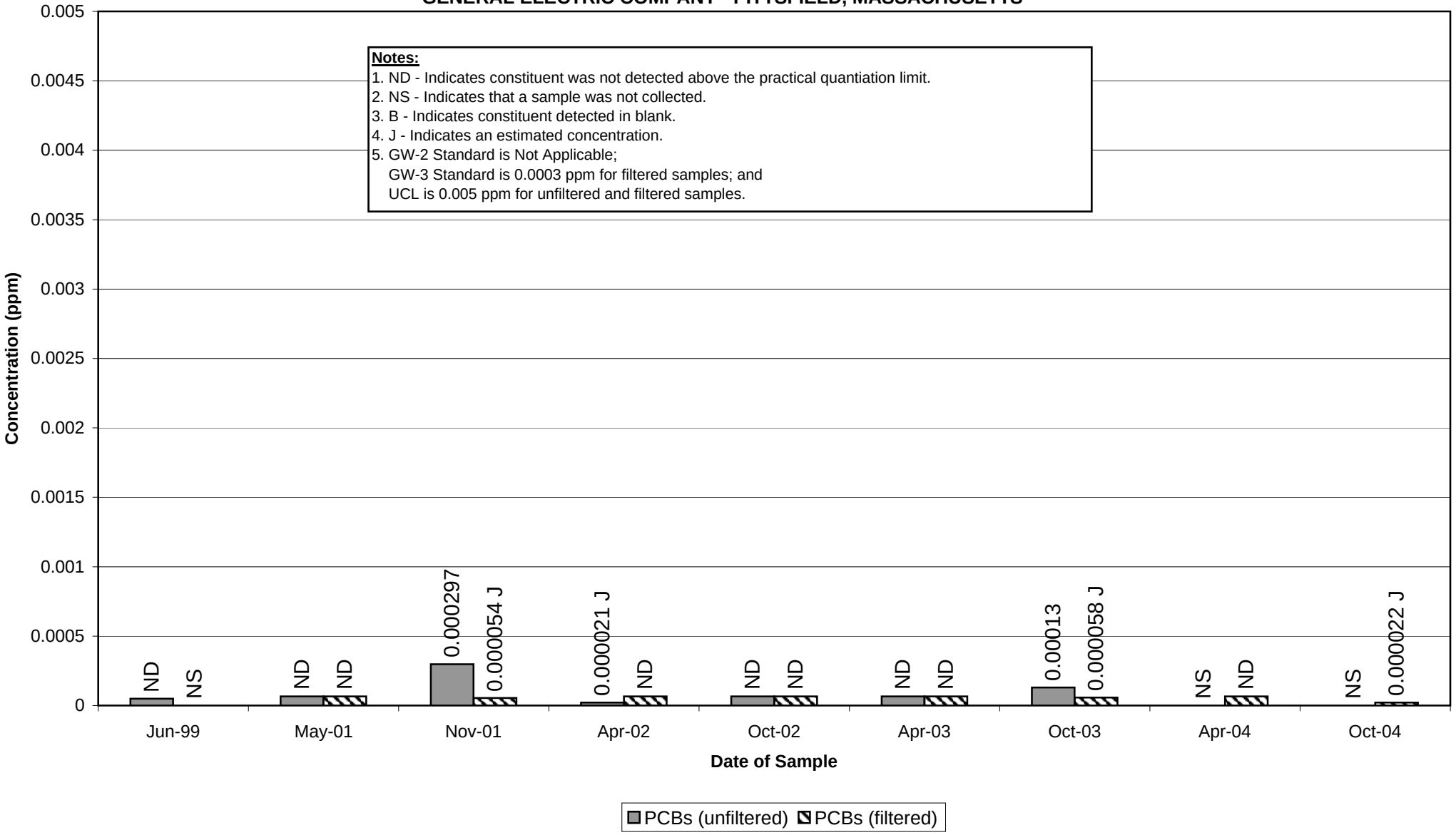
APPENDIX B
WELL 78-6 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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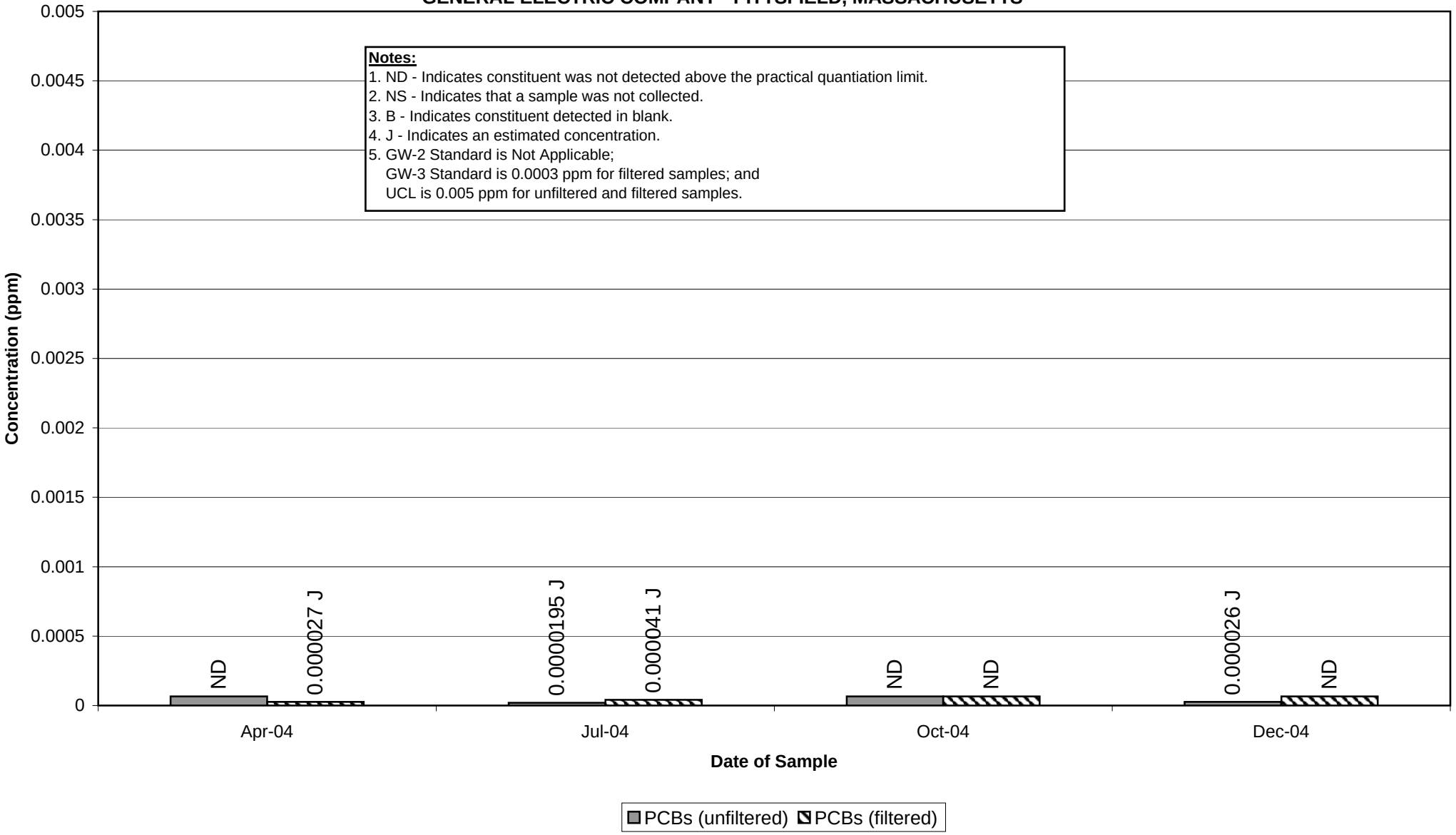
APPENDIX B
WELL GMA4-5 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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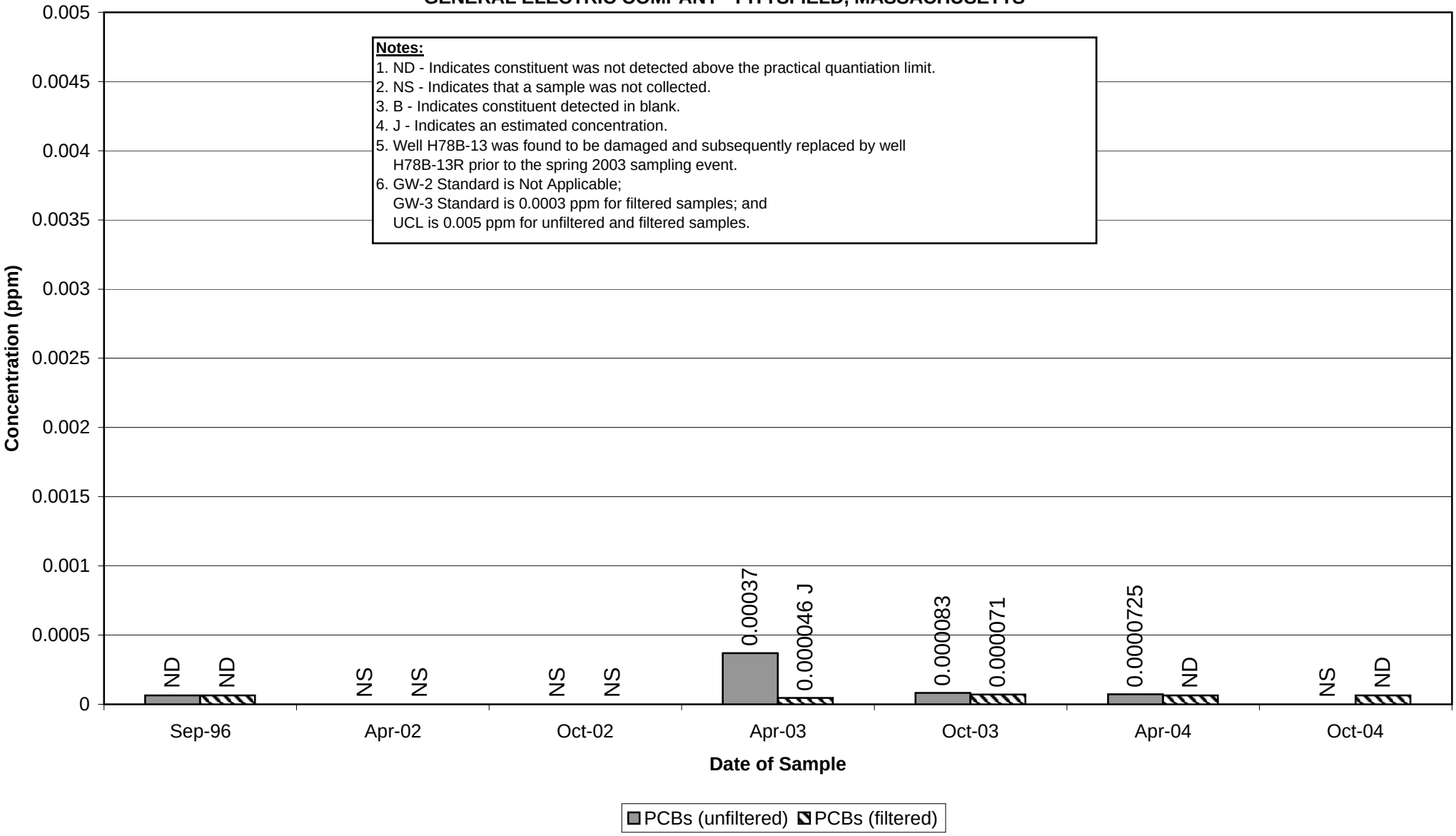
APPENDIX B
WELL H78B-13 & H78B-13R HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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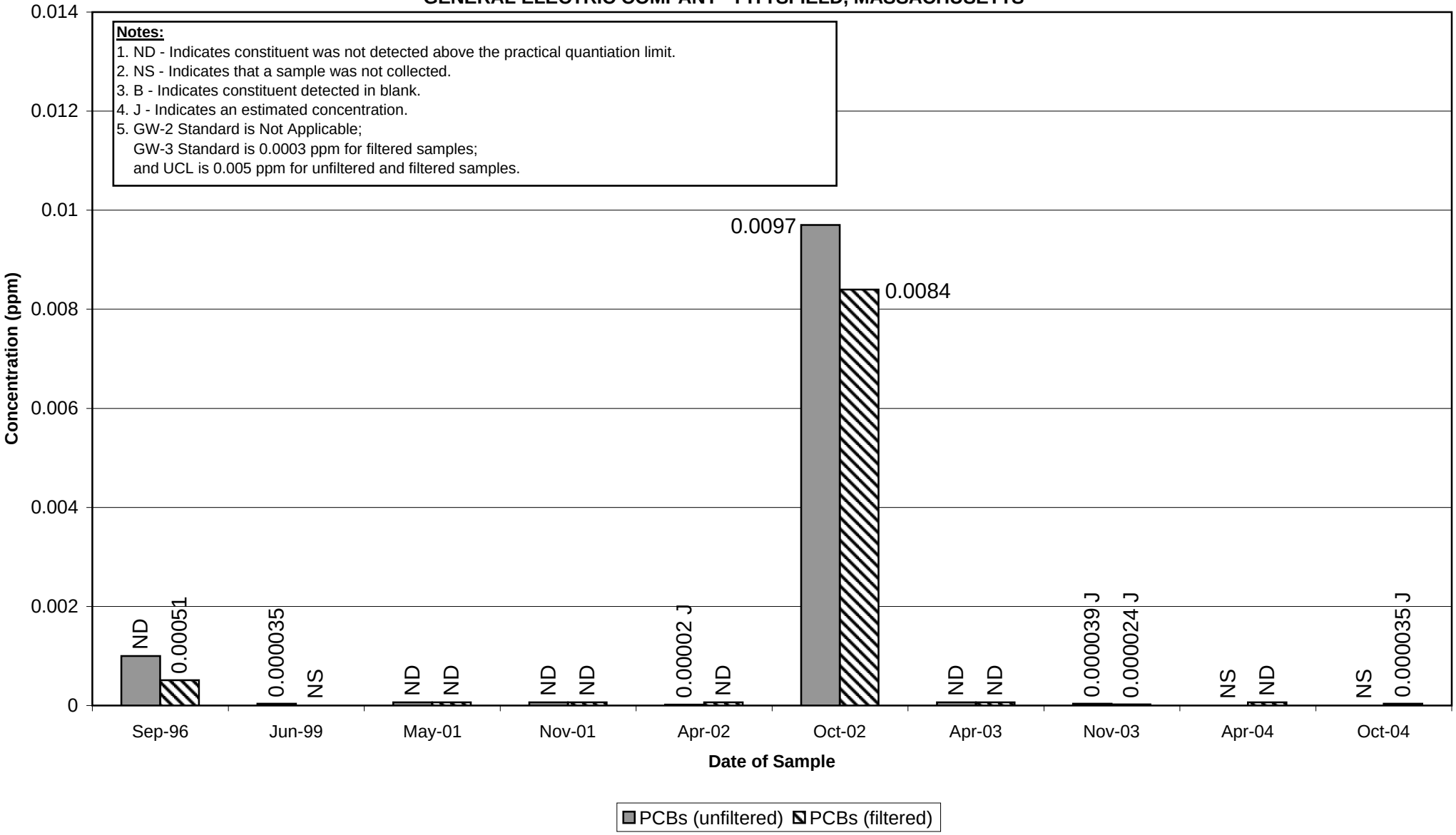
APPENDIX B
WELL H78B-15 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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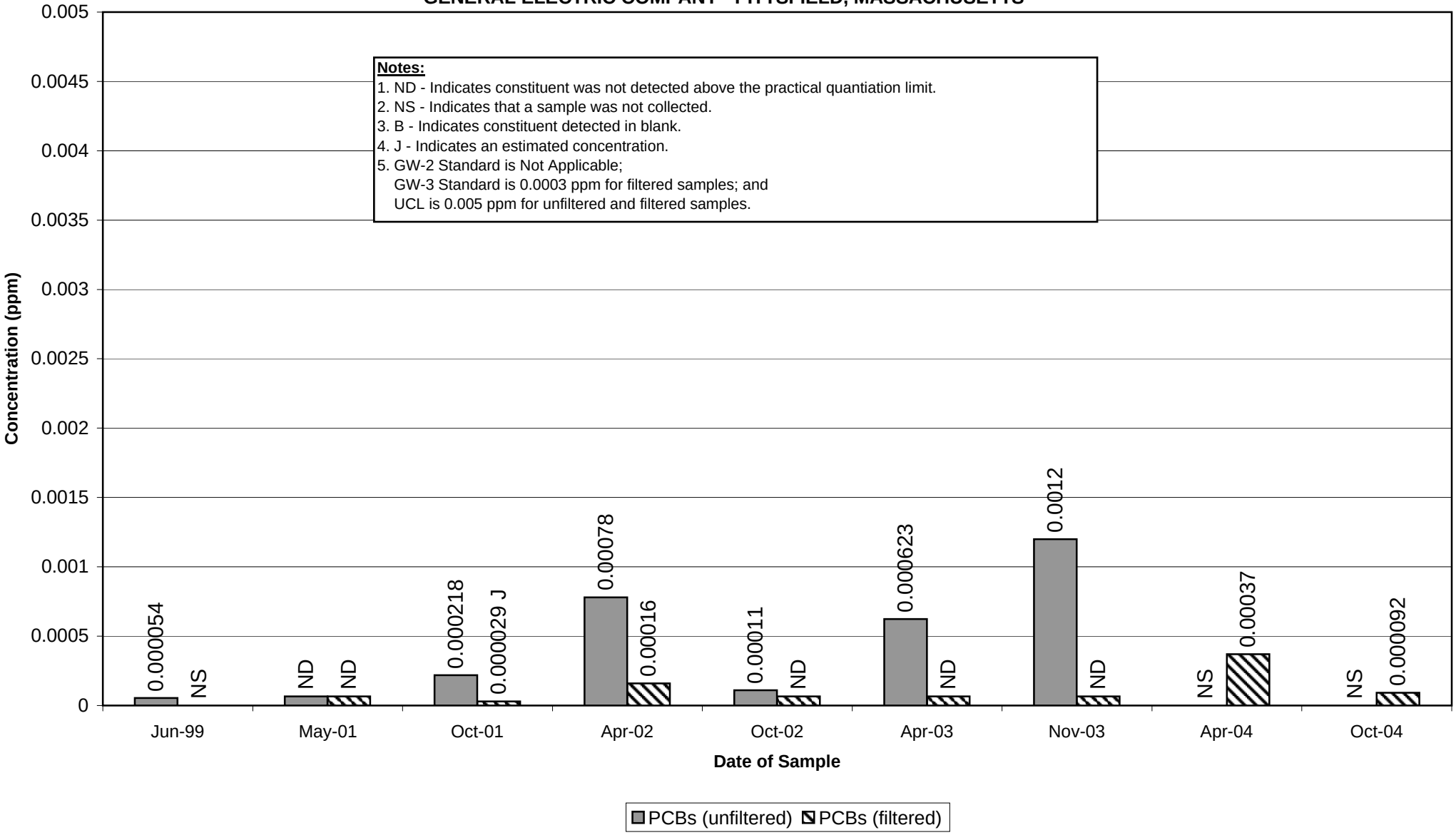
V:\GE_Pittsfield_CD_GMA_4\Reports and Presentations\Fall 2004 GW Qual Rpt\0935AppB_PCB.xls\H78B-15

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

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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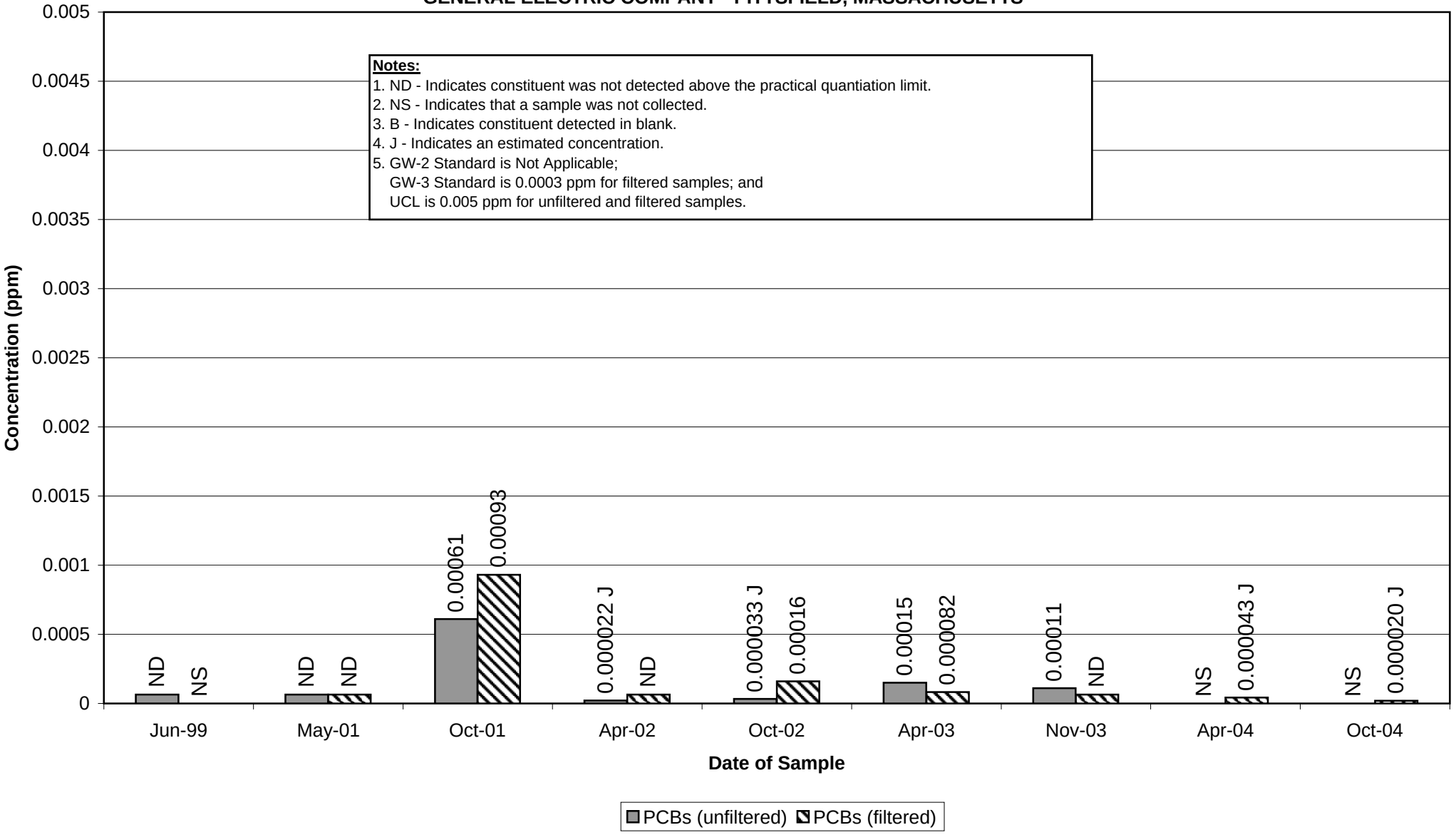
V:\GE_Pittsfield_CD_GMA_4\Reports and Presentations\Fall 2004 GW Qual Rpt\0935AppB_PCB.xls\OPCA-MW-1

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

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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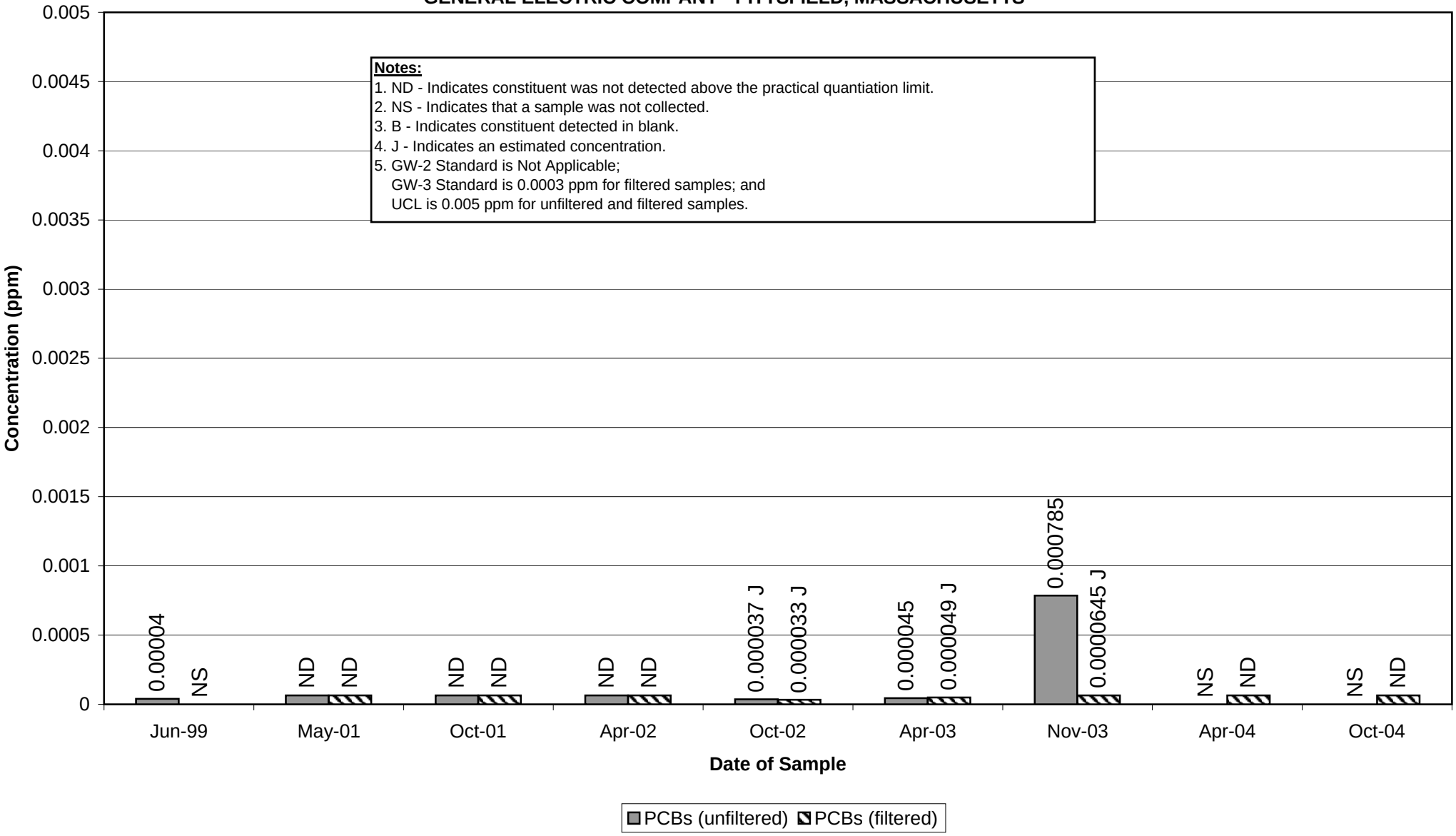
V:\GE_Pittsfield_CD_GMA_4\Reports and Presentations\Fall 2004 GW Qual Rpt\0935AppB_PCB.xls\OPCA-MW-2

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

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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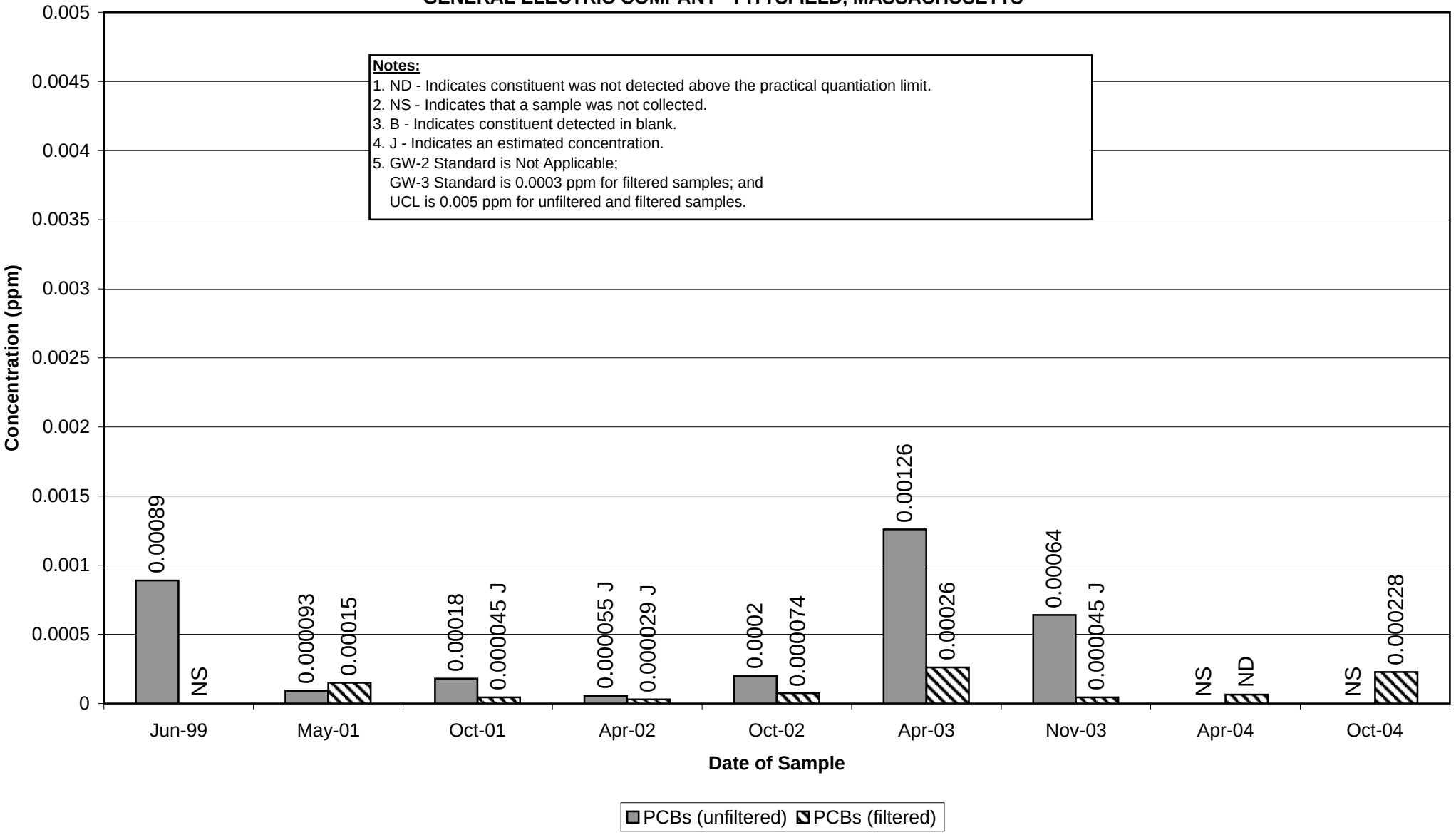
APPENDIX B
WELL OPCA-MW-4 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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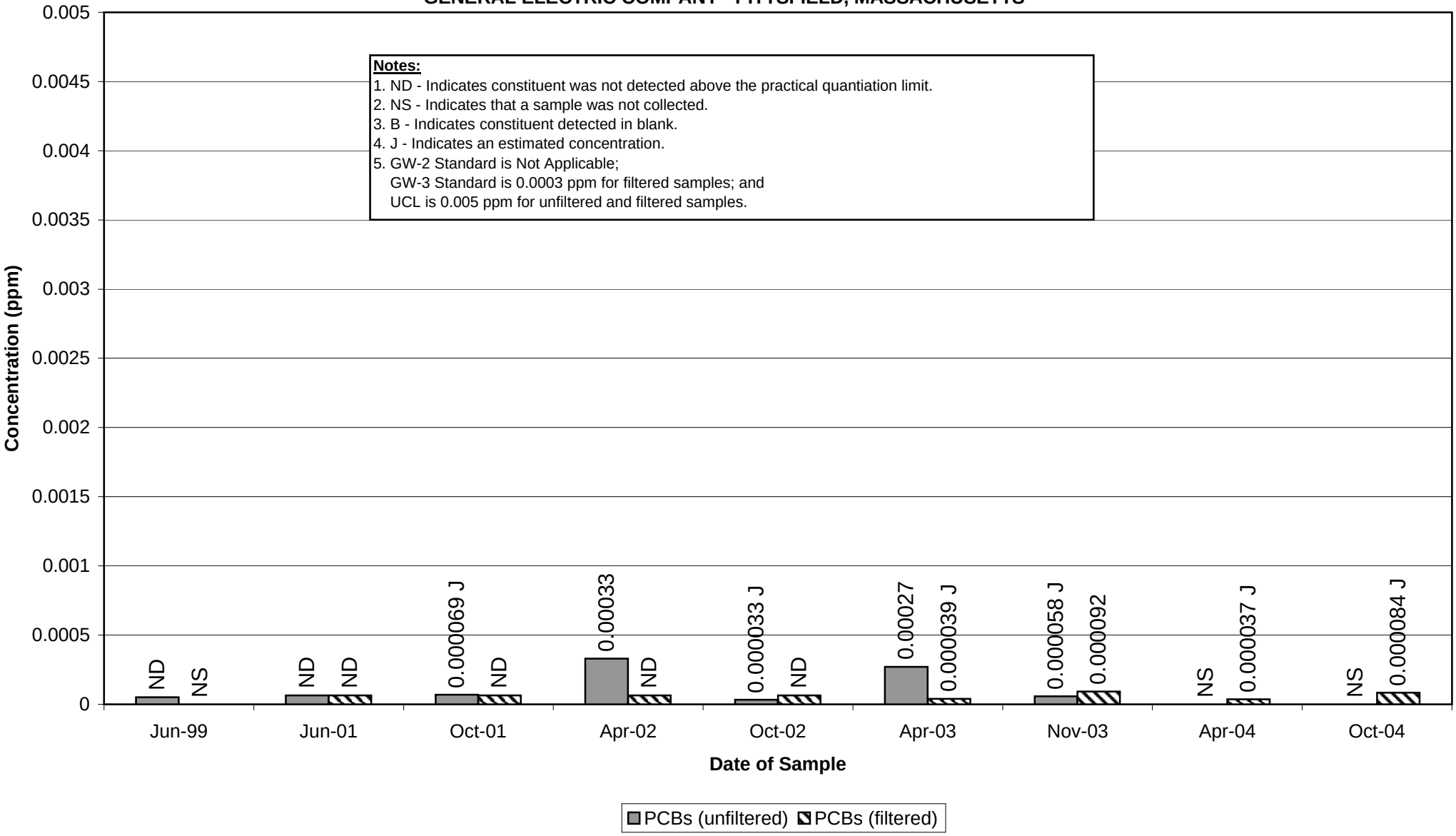
APPENDIX B
WELL OPCA-MW-5R HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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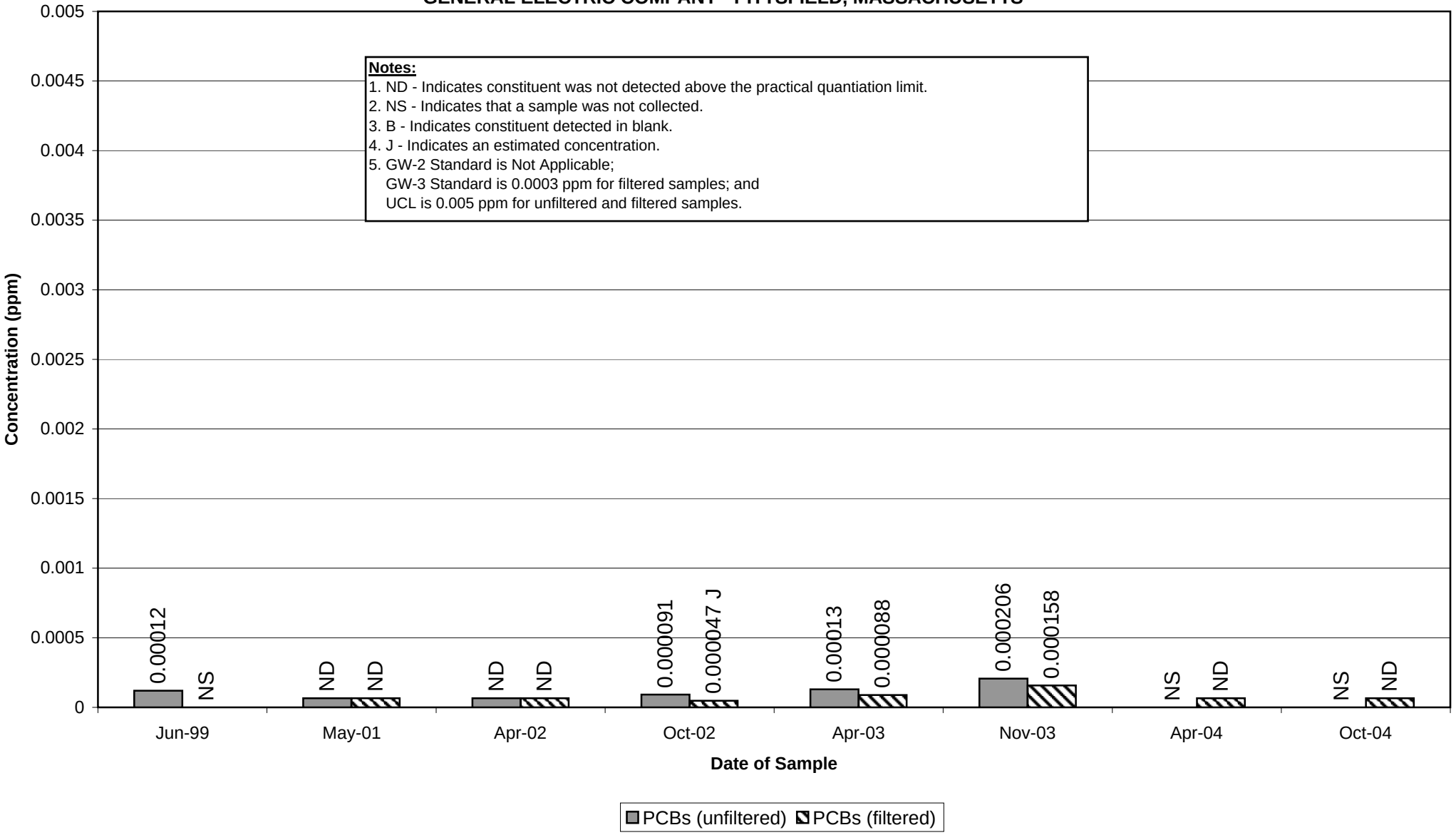
APPENDIX B
WELL OPCA-MW-6 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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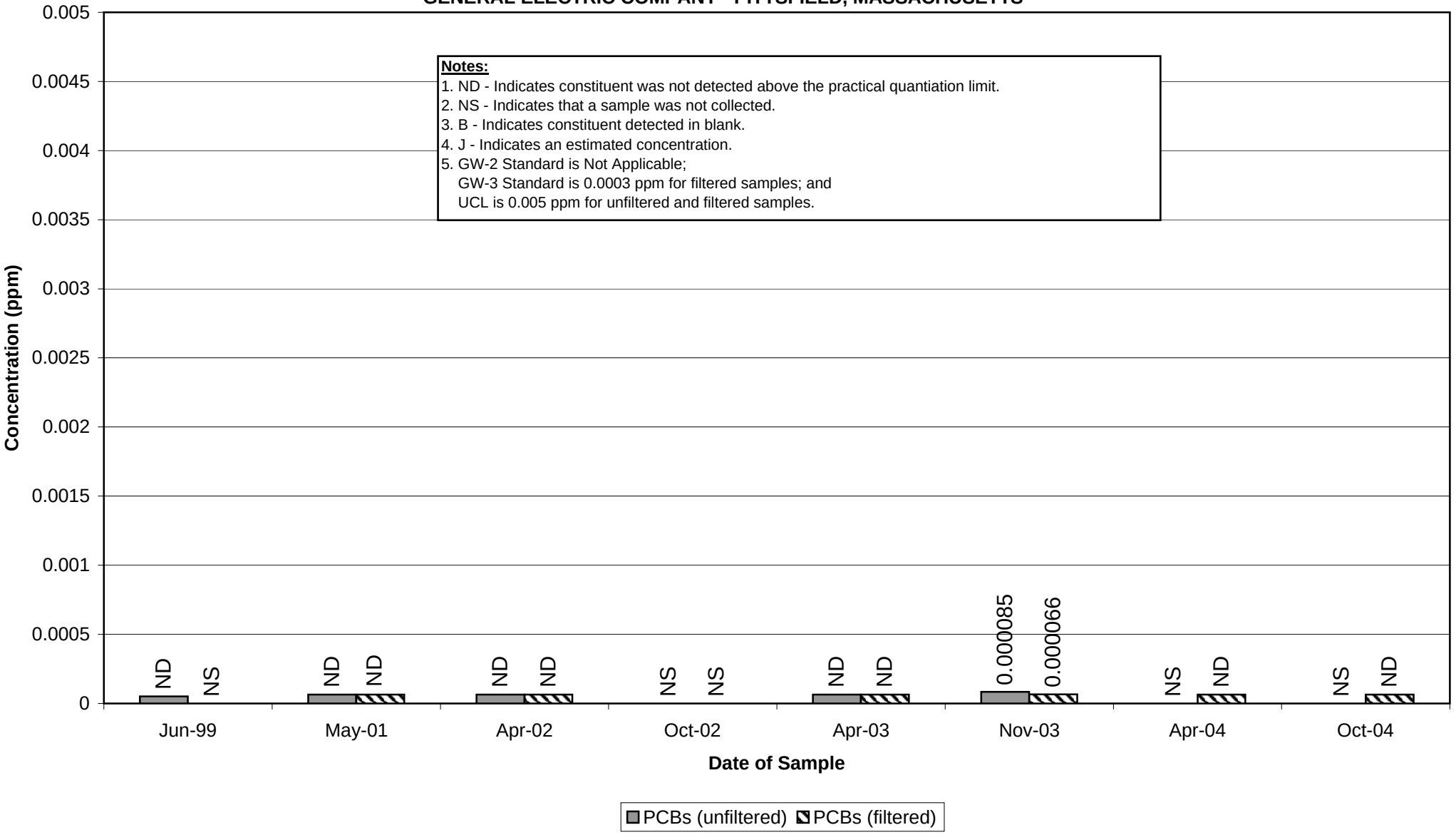
APPENDIX B
WELL OPCA-MW-7 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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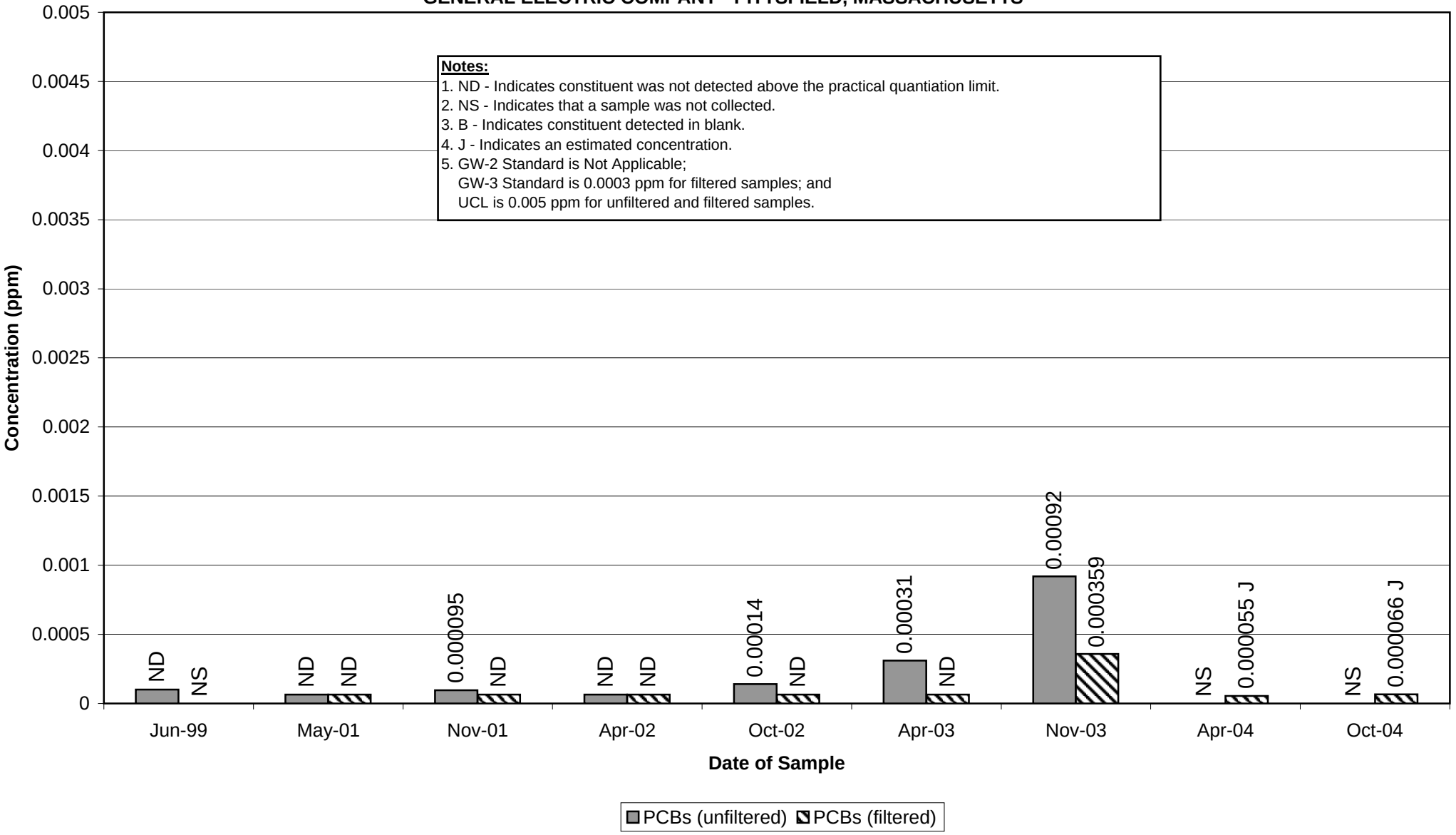
APPENDIX B
WELL OPCA-MW-8 HISTORICAL TOTAL PCB CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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Historical Groundwater Data

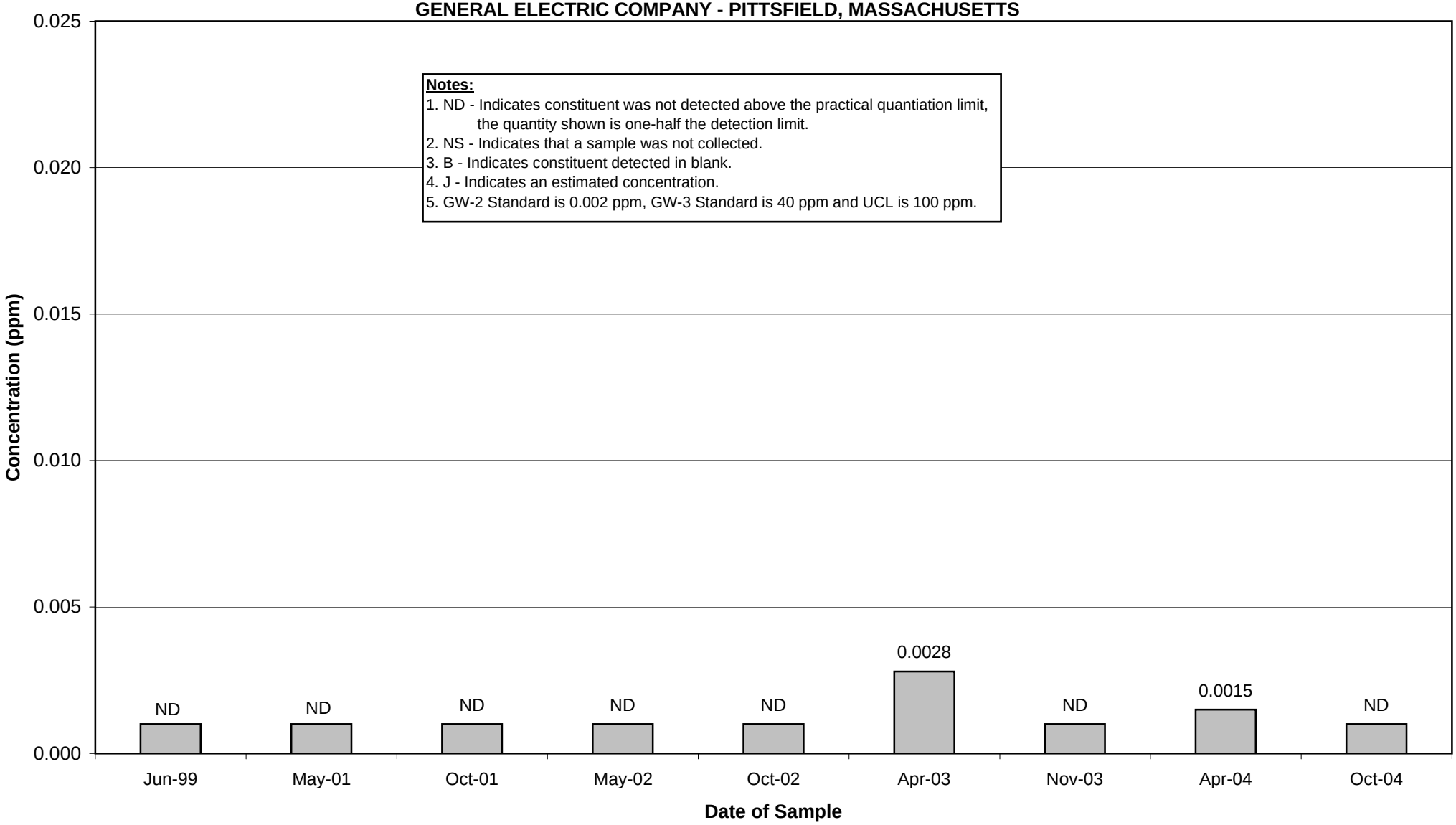
Vinyl Chloride Concentrations

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

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

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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Historical Groundwater Data

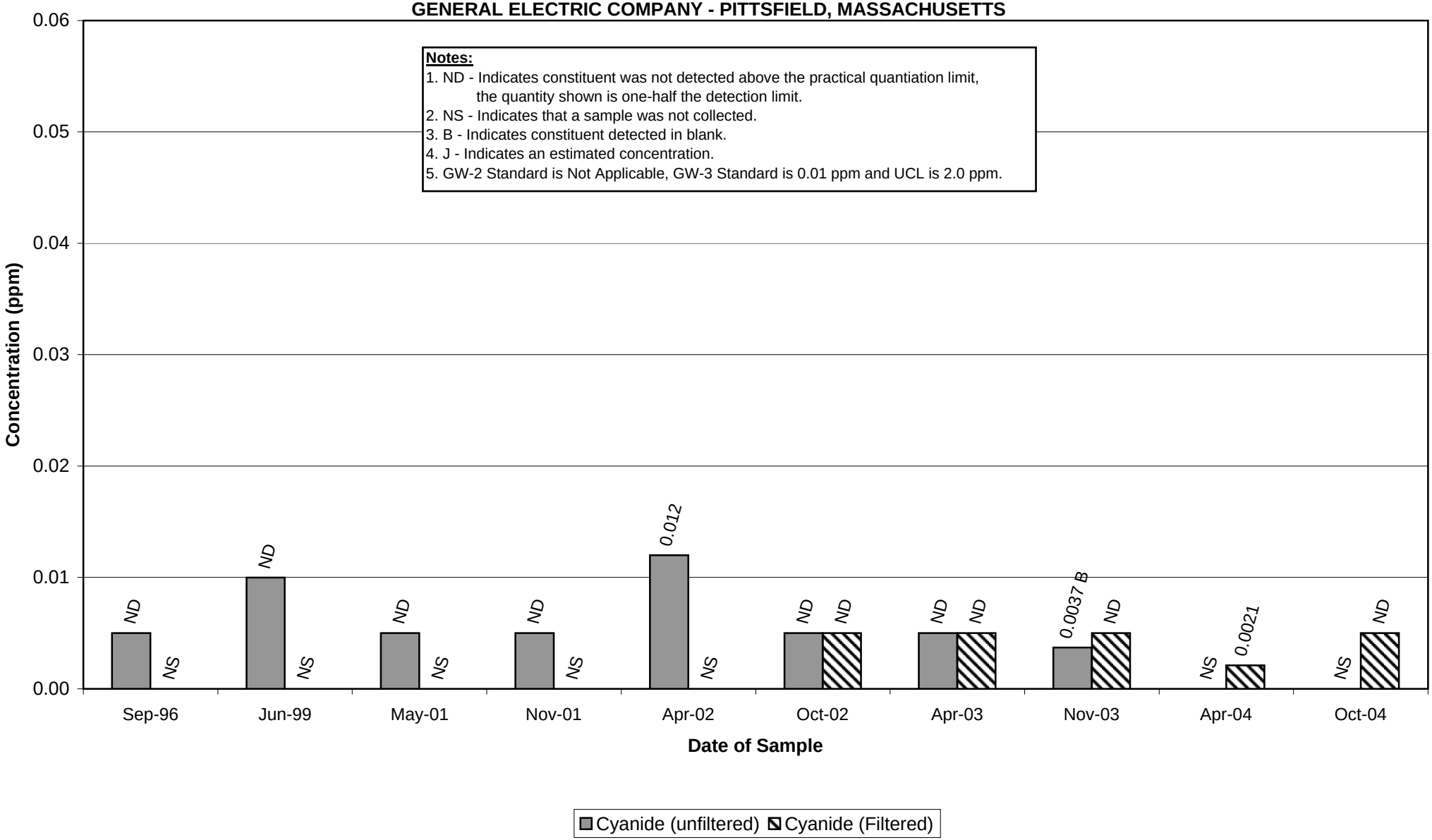
Cyanide Concentrations

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

APPENDIX B
WELL H78B-15 HISTORICAL CYANIDE CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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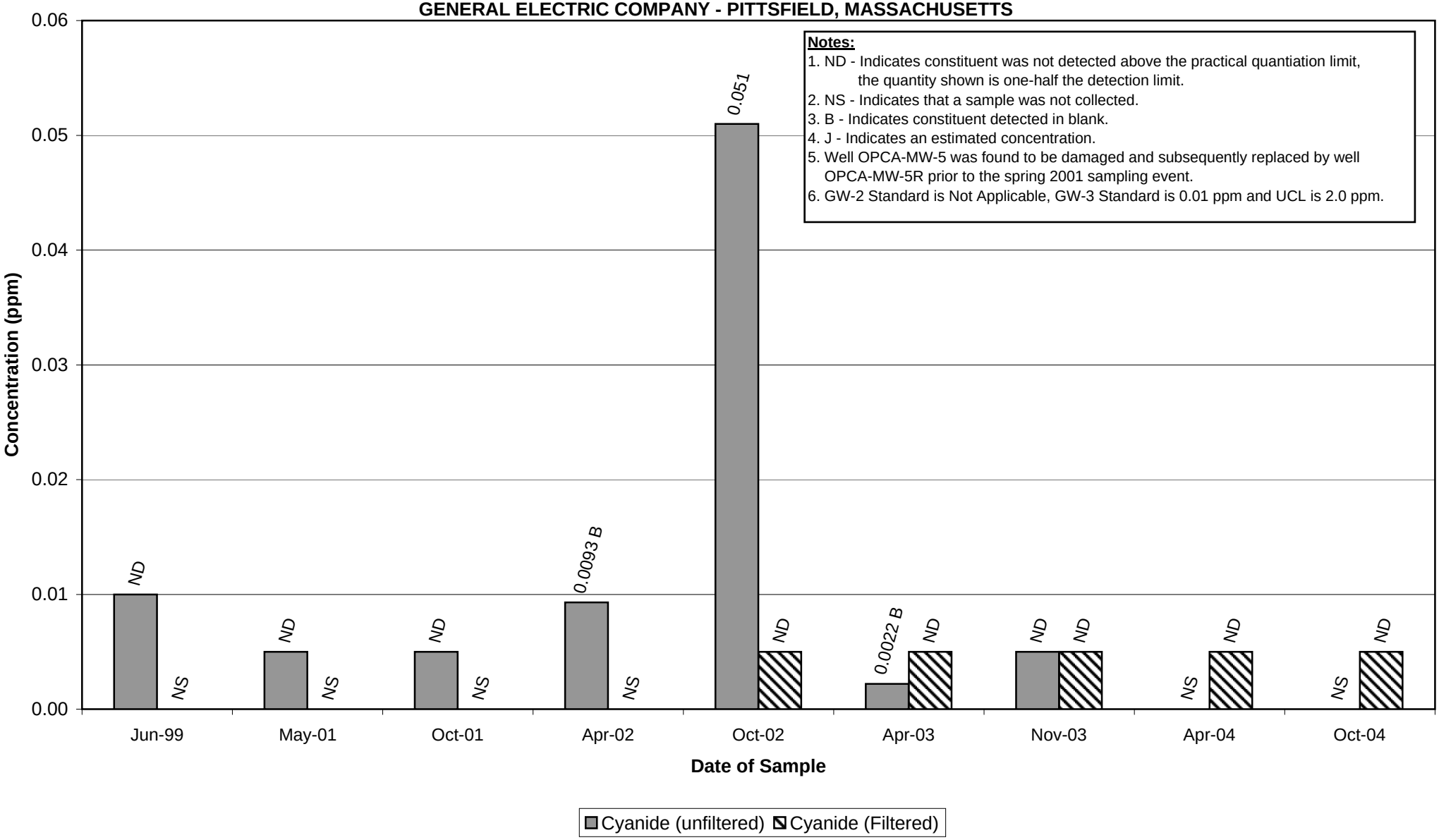
APPENDIX B
WELL OPCA-MW-5 & OPCA-MW-5R HISTORICAL CYANIDE CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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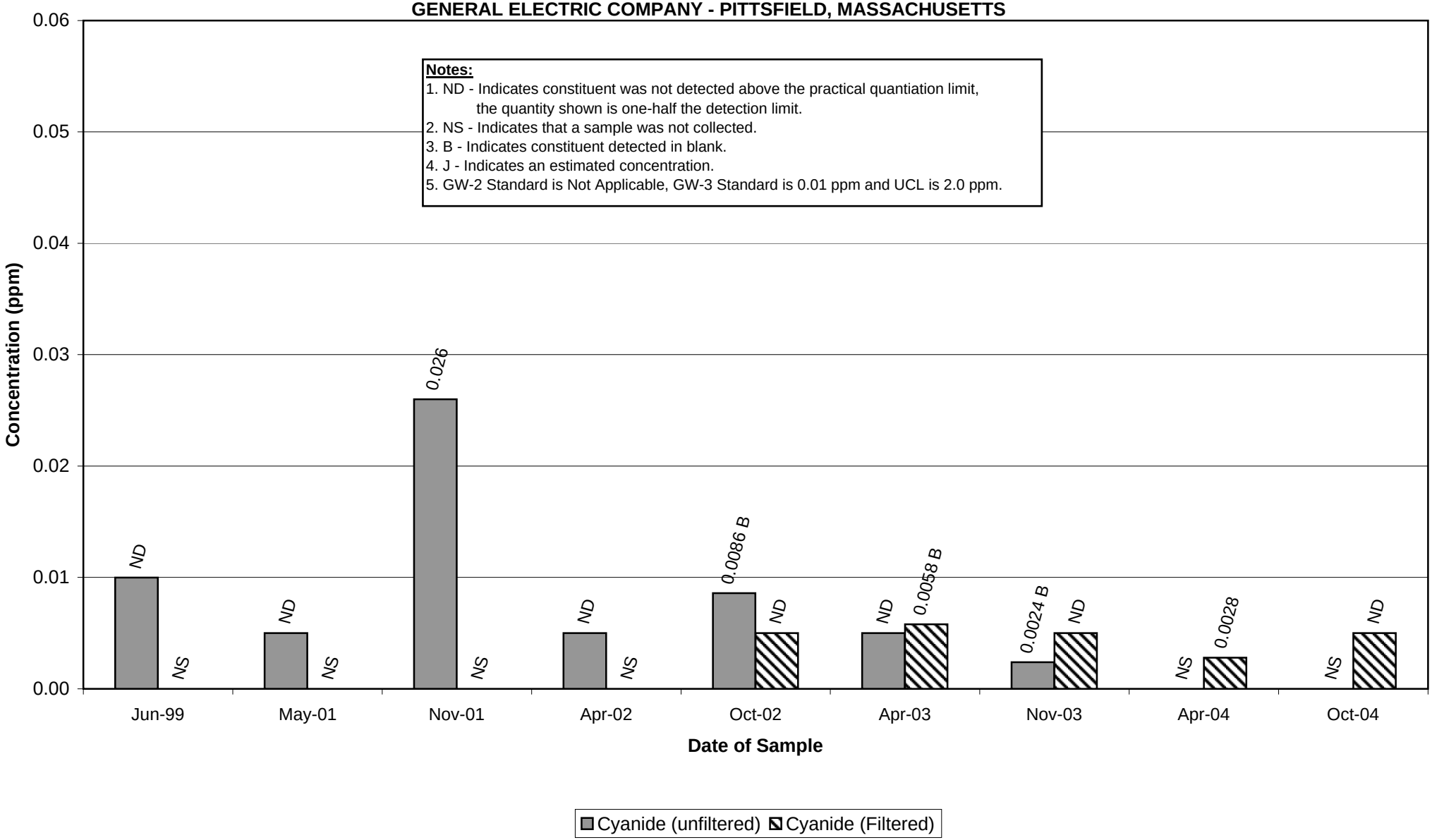
APPENDIX B
WELL OPCA-MW-8 HISTORICAL CYANIDE CONCENTRATIONS

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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Appendix C

Pittsfield Generating Company
Groundwater Analytical Data

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

TABLE C-1
SUMMARY OF PITTSFIELD GENERATING COMPANY GROUNDWATER DATA

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2004
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results in ppm)

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

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	ASW-5 6/21/99	ASW-5 12/13/99	ASW-5 5/31/00	ASW-5 12/26/00	ASW-5 6/20/01	ASW-5 12/11/01
Volatile Organics								
1,2 - Dichloroethene (total)	None	None	0.006	--	--	--	--	--
Acetone	50	100	--	--	--	--	--	--
Methylene chloride	50	100	--	--	--	--	--	--
Trichloroethene	20	100	0.032	0.026	0.021	0.015	0.016	0.013
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 2004
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results in ppm)

Analyte Identification	MCP GW-3 Standard	Method 3 UCL	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	ASW-5 12/13/04
Volatile Organics								
1,2 - Dichloroethene (total)	None	None	--	--	--	--	--	--
Acetone	50	100	--	--	--	0.017	--	--
Methylene chloride	50	100	--	--	--	--	--	--
Trichloroethene	20	100	0.021	0.012	0.022	0.016	0.019	0.017
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

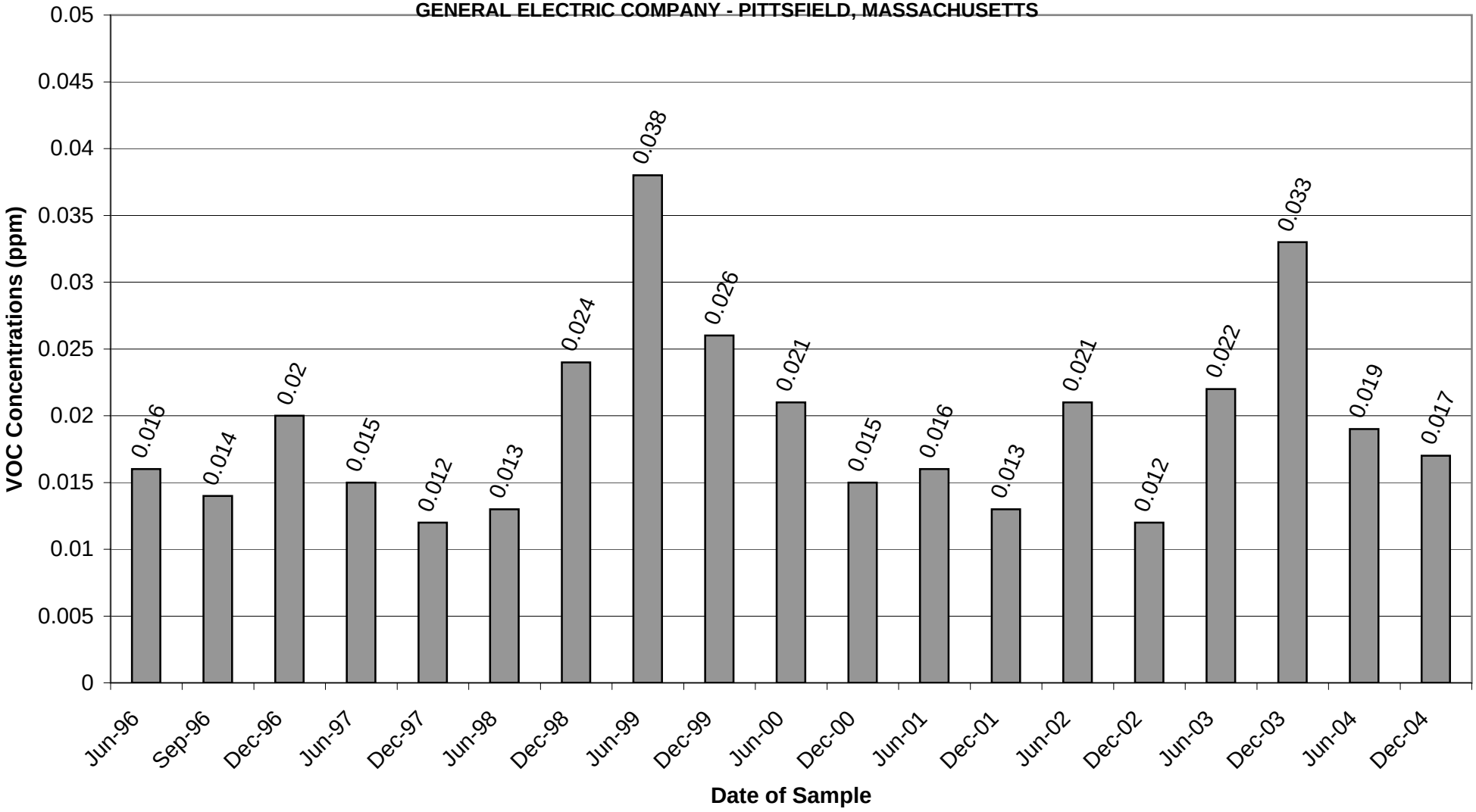
Notes:
1. Only parameters detected in at least one sample are shown.
2. -- Compound was not detected.
3. J - Indicates an estimated value less than the practical quantitation limit (PQL).
4. B - Analyte was also detected in the associated blank.
5. * - Sample was collected by Blasland, Bouck, & Lee,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

APPENDIX C

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

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

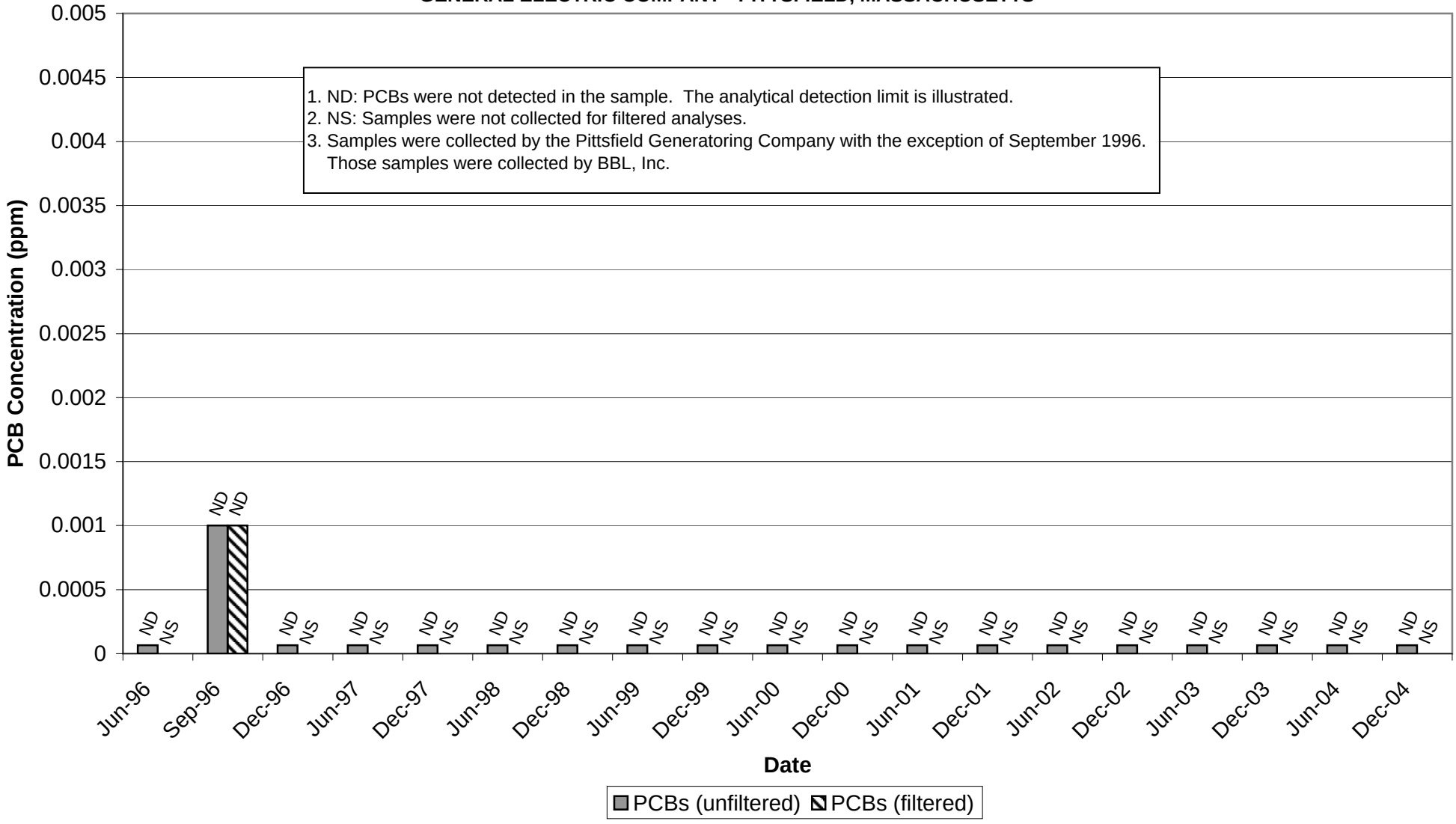


APPENDIX C

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

GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS



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Appendix D

Field Sampling Data

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

TABLE D-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Sampling Method						Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	
78-1	PP/BA	PP	PP	PP	PP	PP	Fall 2002: Water became more turbid during sample collection.
78-6	PP	PP	PP	PP	PP	PP	Fall 2002:PCDD/PCDF sample bottle was damaged during shipment (re-collected next day).
GMA4-5	NS	NS	NS	BP	BP	BP	Fall 2004: Additional samples collected as part of quarterly monitoring program for Commercial Street ACO Site Investigation.
							Spring 2004: Additional samples collected as part of quarterly monitoring program for Commercial Street ACO Site Investigation.
							Fall 2003: Well added to GMA 4 monitoring program in fall 2003.
H78B-13/ H78B-13R	PP	NS	PP	PP	PP	PP	Fall 2003: Faint petroleum odor encountered while purging.
							Spring 2003: This well was installed and developed prior to the spring 2003 sampling event. This well replaces well H78B-13.
							Fall 2002: Well H78B-13 obstructed - no sample collected (Well H78B-13R installed after sampling).
							Spring 2002: Well dried during sampling and did not recharge, only partial sample set collected.
H78B-15	PP/BA	BP	PP	PP	PP	PP	Fall 2002: Turbidity meter malfunction. Samples visually clear.
H78B-16	PP/BA	PP	PP	PP	PP	NS	Not scheduled to be sampled until Fall 2005.
H78B-17R	BP	PP	BP	BP	BP	NS	Not scheduled to be sampled until Fall 2005.
							Fall 2002: Dissolved oxygen meter malfunction.
OPCA-MW-1	PP/BA	BP	PP	PP	PP	PP	
OPCA-MW-2	PP/BA	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	
OPCA-MW-4	PP	BP	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	Fall 2002: Well dried during purging. Sample collected after recharge.
OPCA-MW-6	PP/BA	PP	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	Fall 2002: Well dry - no sample collected.
OPCA-MW-8	BP	BP	BP	BP	BP	BP	

TABLE D-1
SUMMARY OF GROUNDWATER SAMPLING METHODS

GROUNDWATER MANAGEMENT AREA 4
GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2004
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Well Number	Sampling Method						Comments
	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	
UB-MW-5	NS	NS	NS	NS	PP	NS	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. GMA 4 - 78 - 1
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA 4
Sampling Personnel SEK / [illegible]
Date 9-30-04
Weather LIGHT RAIN, 60°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 0.22' Meas. From BGS
Well Diameter 4"
Screen Interval Depth 8-23' Meas. From TIC
Water Table Depth 8.27' Meas. From TIC
Well Depth 22.24' Meas. From TIC
Length of Water Column 13.97'
Volume of Water in Well 9.12 gallons
Intake Depth of Pump/Tubing 12' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 15:50
Sample ID [illegible] 78-1
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)	PCBs (Dissolved)	(X)
( )	Metals/Inorganics (Total)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

Other (Specify): Cyanide, Sulfide

EVACUATION INFORMATION

Pump Start Time 14:59
Pump Stop Time 17:00
Minutes of Pumping 114
Volume of Water Removed 3.98
Did Well Go Dry? Y (N)

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
15:06	0.120	—	8.43	—	—	—	6	—	—
15:11	0.120	0.16	8.54	16.63	6.18	0.554	3	3.23	155.7
15:16	0.100	0.32	8.55	16.63	6.22	0.558	3	2.18	136.8
15:21	0.100	0.45	8.58	16.57	6.19	0.560	3	2.20	118.0
15:26	0.100	0.77	8.61	16.55	6.17	0.561	3	2.11	111.0
15:31	0.100	1.09	8.64	16.58	6.17	0.563	4	2.26	99.0
15:37	0.100	1.41	8.70	16.58	6.17	0.565	4	2.24	92.2
15:41	0.100	1.73	8.72	16.59	6.17	0.567	3	2.24	88.3
15:47	0.100	2.05	8.72	16.59	6.16	0.569	4	2.22	86.2

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS: Initial purge: clear water, no odor.

SAMPLE DESTINATION

Laboratory: TGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4
Sampling Personnel KLB, AMG
Date 10/1/04
Weather P. CLOUDY, 55°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.35 Meas. From BGS
Well Diameter 4"
Screen Interval Depth 3-18' Meas. From BGS
Water Table Depth 5.89' Meas. From TIC
Well Depth 17.45' Meas From TIC
Length of Water Column ~~11.56'~~ 11.56
Volume of Water in Well 7.55gal
Intake Depth of Pump/Tubing 11.75' 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 9:43
Sample ID 78-6
Duplicate ID —
MS/MSD —
Split Sample ID —

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

Other (Specify): Cyanide, Sulfide

EVACUATION INFORMATION

Pump Start Time 0829
Pump Stop Time 10:55
Minutes of Pumping 146min
Volume of Water Removed 3.65gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: ~~HACH~~ HACH TURBIDIMETER 021000028323 YS1556 03E0392AF

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]*
0830	0.100	—	5.90	—	—	—	46	—	—
0836	0.125	0.13	6.15	17.11	6.94	1.806	41	4.76	64.3
0841	0.125	0.30	6.27	17.19	7.02	1.813	39	2.53	4.0
0846	0.125	0.47	6.30	17.37	7.00	1.814	34	1.37	-13.4
0851	0.125	0.64	6.37	17.29	6.97	1.807	34	1.26	-27.9
0856	0.125	0.81	6.42	17.41	6.95	1.801	31	1.45	-36.2
0901	0.125	0.98	6.50	17.50	6.94	1.799	31	1.36	-50.0
0906	0.100	1.11	6.55	17.55	6.93	1.790	27	1.39	-52.3
0911	0.100	1.24	6.59	17.61	6.92	1.782	24	1.33	-60.6
0916	0.100	1.37	6.60	17.57	6.90	1.762	23	1.37	-66.1
0921	0.100	1.50	6.60	17.59	6.89	1.759	41	1.33	-66.1
0926	0.100	1.63	6.60	17.52	6.87	1.764	21	1.24	-67.0

* 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: no odor, orange color w/ some orange particles, turbid.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA4
Sampling Personnel KLB, AMG
Date 10/1/04
Weather P. CLOUDY, 55°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.35 Meas. From BGS
Well Diameter 4"
Screen Interval Depth 3.18' Meas. From BGS
Water Table Depth 5.89' Meas. From TIC
Well Depth 17.45' Meas. From TIC
Length of Water Column 11.56'
Volume of Water in Well 7.55 gal
Intake Depth of Pump/Tubing 11.75' 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 9:43
Sample ID 78-6
Duplicate ID —
MS/MSD —
Split Sample ID —

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

CYANIDE - FILTERED
SULFIDE

EVACUATION INFORMATION

Pump Start Time 0829
Pump Stop Time 1055
Minutes of Pumping 146 min
Volume of Water Removed 3.65 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDIMETER 021000028323
YSI 556 03C0929 AF

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
0931	0.100	1.76	6.61	17.39	6.86	1.770	20	1.16	-65.7
0936	0.125	1.93	6.60	17.40	6.85	1.771	21	1.17	-63.7
0940	0.125	2.06	6.61	17.37	6.85	1.773	20	1.13	-62.2
				KB					

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS FINAL PURGE - LIGHT YELLOW, SLIGHTLY CLOUDY/TURBID, SLIGHT ODOR

SAMPLE DESTINATION

Laboratory: ~~APPL~~ SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING FIELD LOG

Well No. GMA4-5
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - Commercial St.
Sampling Personnel GAR/AMG
Date 7/13/04
Weather Overcast, periods of rain, 70-75°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.35' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 8'-18' Meas. From Ground
Water Table Depth 11.55' Meas. From TIC
Well Depth 18.27' Meas. From TIC
Length of Water Column 6.72'
Volume of Water in Well 1.10 gallons
Intake Depth of pump/tubing 15' 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
Sample ID GMA4-5
Duplicate ID Comm-DUP-1
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list) - 8260B	(X)
( )	VOCs (Exp.list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
( )	Metals/Inorg. (Total)	( )
( )	Metals/Inorg. (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pest/Herb	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) - EPH	(X)

EVACUATION INFORMATION

Pump Start Time 9:50
Pump Stop Time 13:25
Minutes of Pumping 215
Volume of water removed
Did well go dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS : 03M0320AC
Hach 2100P Turbidimeter : 021000028323

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celcius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10%]*	ORP (mV) [10 mV]*
9:52	100ml	0.05	11.64	—	—	—	138	—	—
10:05	100ml	0.40	11.60	—	—	—	54	—	—
10:15	100ml	0.66	11.61	—	—	—	40	—	—
10:25	100ml	0.93	11.68	15.72	6.64	4.370	25	3.00	-39.8
10:30	100ml	1.06	11.63	14.10	6.62	4.358	22	0.95	-42.5
10:35	100ml	1.19	11.67	14.20	6.59	4.535	24	0.70	-47.7
10:40	100ml	1.32	11.64	13.46	6.60	4.676	19	0.60	-50.5
10:45	100ml	1.46	11.65	13.75	6.59	4.781	21	0.53	-53.1
10:50	100ml	1.59	11.63	13.95	6.60	4.789	17	0.48	-53.5
10:55	100ml	1.72	11.64	14.03	6.61	4.835	14	0.48	-54.1
11:00	100ml	1.85	11.62	13.99	6.61	4.839	11	0.46	-54.6
11:05	100ml	1.98	11.63	13.97	6.61	4.851	11	0.44	-54.9

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

Initial Purge: light brown, odorless
Final Purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING FIELD LOG

Well No. GMA 4-5
Key No. EX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - Commercial St.
Sampling Personnel GAR/AMG
Date 7/13/04
Weather Overcast, periods of rain, 70-75°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~0.25' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 8'-18' Meas. From Ground
Water Table Depth 11.55' Meas. From TIC
Well Depth 18.27' Meas. From TIC
Length of Water Column 6.72'
Volume of Water in Well 1.10 gallons
Intake Depth of pump/tubing 15' Meas. From TIC

Reference Point Identification:
TIC: Top of Inner (PVC) casing
TOC: Top of outer (protective) casing
Grade/BGS: Ground Surface

Redevelop? Y (N)

Sample Time 11:15
Sample ID GMA 4-5
Duplicate ID Comm-DUP-1
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list) - 8260B	(X)
( )	VOCs (Exp.list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
( )	Metals/Inorg. (Total)	( )
( )	Metals/Inorg. (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pest/Herb	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) - EPH	(X)

EVACUATION INFORMATION

Pump Start Time 9:50
Pump Stop Time 13:25
Minutes of Pumping 215
Volume of water removed
Did well go dry? Y (N)

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celcius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10%]*	ORP (mV) [10 mV]*
11:10	100ml	2.12	11.62	14.02	6.62	4.857	10	0.46	-55.0

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA 4-5
Key No. EX-33
PID Background (ppm) 0
Well Headspace (ppm) 0

Site Commercial St.
Sampling Personnel GAB/SEK
Date 9/28/04
Weather Overcast, rain, 60-65°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~0.30' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 8'-18' Meas. From Ground
Water Table Depth 10.89 Meas. From TIC
Well Depth 18.18 Meas. From TIC
Length of Water Column 7.29'
Volume of Water in Well 1.19 gallons
Intake Depth of Pump/Tubing 13' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 13:00
Sample ID GMA 4-5
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)
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) EPH	(X)

EVACUATION INFORMATION

Pump Start Time 10:50
Pump Stop Time 13:50
Minutes of Pumping 180 minutes
Volume of Water Removed 4.65 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS - 03M0230 AC
Hach 2100P Turbidimeter: 020200025376

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
10:55	100ml	0.13	11.00	—	—	—	532	—	—
11:10	100ml	0.53	10.99	—	—	—	338	—	—
11:30	100ml	1.06	11.00	—	—	—	170	—	—
11:50	100ml	1.59	11.00	—	—	—	66	—	—
12:00	100ml	1.85	11.00	—	—	—	35	—	—
12:10	100ml	2.11	11.00	16.46	5.92	4.432	24	3.15	-16.4
12:15	100ml	2.25	11.00	16.20	5.95	4.537	18	0.35	-27.7
12:20	100ml	2.38	11.00	16.21	5.96	4.549	14	0.34	-29.2
12:25	100ml	2.51	11.01	16.33	6.02	4.555	12	0.28	-29.2
12:30	100ml	2.64	11.00	16.33	6.02	4.581	10	0.20	-29.5
12:35	100ml	2.78	11.00	16.43	6.01	4.596	8	0.22	-29.1
12:40	100ml	2.91	11.00	16.33	6.00	4.634	6	0.22	-29.6

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

Initial Purge: Orange-brown, odorless
Final Purge: Clear, odorless
Note: Turbidimeters 020200025376 & 021000028329 calibrated on 9/28/04

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. GMA 4-5
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site [redacted] Commercial St.
Sampling Personnel GAR/JER
Date 9/2 Nov
Weather Overcast, rain, 55-59F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.30' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 5'-15' Meas. From Ground
Water Table Depth 10.89' Meas. From TIC
Well Depth 15.48' Meas. From TIC
Length of Water Column 4.59'
Volume of Water in Well 1.19 gallons
Intake Depth of Pump/Tubing 13' Meas. From TIC

Sample Time 13:00
Sample ID GMA 4-5
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)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) EPH	(X)

EVACUATION INFORMATION

Pump Start Time 10:50
Pump Stop Time 13:50
Minutes of Pumping 180 minutes
Volume of Water Removed 4.65 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS - 03M02300 Ac
Hach 2100P Turbidimeter

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
12:45	100ml	3.04	11.00	16.36	6.01	4.690	5	0.52	-30.0
12:50	100ml	3.17	10.99	16.37	6.01	4.651	4	0.20	-29.9
12:55	100ml	3.31	10.99	16.46	6.06	4.658	4	0.20	-30.9

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: GPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

Well No. GMA 4-5
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/[redacted] Name Commercial St.
Sampling Personnel GAR
Date 11/30/04
Weather Mostly cloudy, 40-45°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.30' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 8'-18' Meas. From Ground
Water Table Depth 11.43' Meas. From TIC
Well Depth 18.25' Meas. From TIC
Length of Water Column 6.82'
Volume of Water in Well 1.11 gallons
Intake Depth of Pump/Tubing 15' Meas. From TIC

Sample Time [redacted] 12:35
Sample ID GMA4-5
Duplicate ID Comm-DUP-1
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list) 8260B	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) EPH	(X)

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

Redevelop? Y (N)

EVACUATION INFORMATION

Pump Start Time 10:55
Pump Stop Time 14:20
Minutes of Pumping 205
Volume of Water Removed 5.50 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers. YSI-556MPS: 03C1461 AI #3
Hach 2100P Turbidimeter: 02100028323

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
11:00	100 ml	0.13	11.52	—	—	—	51	—	—
11:10	100ml	0.39	11.48	—	—	—	30	—	—
11:25	100ml	0.79	11.48	10.55	5.27	1.561	17	0.85	-250.0
11:30	100ml	0.93	11.50	11.32	5.29	1.597	10	0.57	-253.3
11:35	100ml	1.06	11.51	11.86	5.50	1.655	8	0.47	-250.3
11:40	100ml	1.19	11.51	12.08	5.59	1.730	8	0.61	-266.5
11:45	100ml	1.32	11.51	12.07	5.62	1.821	7	0.68	-278.3
11:50	100ml	1.46	11.51	12.12	5.64	1.867	5	0.69	-281.3
11:55	100ml	1.59	11.51	12.16	5.69	1.950	4	0.61	-280.5
12:00	100ml	1.72	11.51	12.14	5.69	1.980	4	0.59	-285.2
12:05	100ml	1.85	11.51	12.13	5.72	2.018	4	0.63	-286.3
12:10	100ml	1.98	11.51	12.14	5.74	2.067	3	0.52	-272.2

* 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 Duplicate collected at this well (Comm-DUP-1)
Initial Purge: Light-brown, a few particles, odorless
Final Purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

C:\Documents and Settings\...\Attachment G-2.xls

GROUNDWATER SAMPLING LOG

Well No. GMA 4-5
Key No. FX-37
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/[redacted] Name Commercial St.
Sampling Personnel GAR
Date 11/30/04
Weather Mostly cloudy, 40-45°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~0.30' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 8'-18' Meas. From Ground
Water Table Depth 11.43' Meas. From TIC
Well Depth 18.25' Meas. From TIC
Length of Water Column 6.82'
Volume of Water in Well 1.11 gallons
Intake Depth of Pump/Tubing 15' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 12:35
Sample ID GMA 4-5
Duplicate ID Comm-DUP-1
MS/MSD —
Split Sample ID —

Required	Analytical Parameters:	Collected
(X)	VOCs (Std. list) 8260B	(X)
( )	VOCs (Exp. list)	( )
(X)	SVOCs	(X)
(X)	PCBs (Total)	(X)
(X)	PCBs (Dissolved)	(X)
( )	Metals/Inorganics (Total)	( )
( )	Metals/Inorganics (Dissolved)	( )
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) EPH	(X)

EVACUATION INFORMATION

Pump Start Time 10:55
Pump Stop Time 14:20
Minutes of Pumping 205
Volume of Water Removed 5.50 gallons
Did Well Go Dry? Y (N)

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
12:15	100 ml	2.12	11.52	12.14	5.76	2.109	4	0.61	-289.1
12:20	100 ml	2.25	11.51	12.38	5.78	2.140	3	0.48	-288.2
12:25	100 ml	2.38	11.51	12.36	5.79	2.159	2	0.52	-291.3
12:30	100 ml	2.51	11.51	12.47	5.79	2.179	2	0.46	-290.1
12:35	100 ml	2.65	11.51	12.51	5.82	2.174	2	0.46	-288.7

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. H78B-13R
Key No. —
PID Background (ppm) —
Well Headspace (ppm) —

Site/GMA Name GMA4
Sampling Personnel KLB, LRJP
Date 9/30/04
Weather RAINY, 55°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.35 Meas. From BGS
Well Diameter 2"
Screen Interval Depth 5-20' Meas. From BGS
Water Table Depth 10.62 Meas. From TIC
Well Depth 19.94 Meas. From TIC
Length of Water Column 9.32'
Volume of Water in Well 1.52 gal
Intake Depth of Pump/Tubing 15.3' Meas. From TIC

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

Redevelop? Y (N)

Sample Time —
Sample ID H78B-13R
Duplicate ID —
MS/MSD —
Split Sample ID —

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

EVACUATION INFORMATION

Pump Start Time ~~15:32~~ KLB 15:35
Pump Stop Time 16:36
Minutes of Pumping 101 min
Volume of Water Removed 1.66 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH TURBIDIMETER 021000028232
YSI 556 03C0392AF

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
15:36	0.100	—	10.68	—	—	- 14 ~~13.8~~		—	—
15:44	0.100	0.212	10.74	15.21	6.72	0.665	5	3.42	-91.9
15:49	0.100	0.344	10.74	16.05	6.53	0.650	6	1.56	-89.1
15:54	0.100	0.476	10.75	15.90	6.45	0.649	4	0.84	-90.5
15:59	0.100	0.608	10.75	15.99	6.52	0.698	3	0.78	-99.8
16:04	0.100	0.741	10.75	15.57	6.55	0.791	3	0.70	-107.0
16:09	0.100	0.878	10.75	15.76	6.56	0.807	3	0.63	-110.5
16:14	0.100	1.010	10.76	15.91	6.63	0.852	3	0.60	-117.2
16:19	0.100	1.142	10.76	15.91	6.68	0.894	2	0.59	-122.7
16:24	0.100	1.274	10.76	15.70	6.72	0.929	2	0.55	-128.3
16:29	0.100	1.406	10.76	15.59	6.71	0.939	2	0.48	-128.3
16:34	0.100	1.538	10.76	15.52	6.67	0.966	2	0.50	-127.8

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS INITIAL PURGE - LIGHT YELLOW, CLEAR, BLACK SPECKS, ODOR

*NO SAMPLES COLLECTED

SAMPLE DESTINATION

Laboratory: —
Delivered Via: —
Airbill #: —

Field Sampling Coordinator: [signature]

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GROUNDWATER SAMPLING LOG

Well No. H78-13R
Key No. —
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GMA4
Sampling Personnel SEK/RJ
Date 10/1/04
Weather Cloudy 60°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.30' Meas. From GS
Well Diameter 2"
Screen Interval Depth 5-20 Meas. From TIC
Water Table Depth 10.66 Meas. From TIC
Well Depth 20.06 Meas. From TIC
Length of Water Column 9.40
Volume of Water in Well 1.53 gal
Intake Depth of Pump/Tubing 16' Meas. From GS

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

Redevelop? Y (N)

Sample Time 9:10
Sample ID GMA4-H78-13R
Duplicate ID —
MS/MSD X Collected Here
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)
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

EVACUATION INFORMATION

Pump Start Time 8:20
Pump Stop Time 12:30
Minutes of Pumping 250 min
Volume of Water Removed 9.46 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: 556 MPS YSI 03M0230AC #4, Turbidity meter: 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) [2%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
8:20	0.10	0.0	10.96	—	—	—	16	—	—
8:30	0.10	3.758	10.81	14.96	7.08	1.333	9	0.47	-117.8
8:35	0.10	5.678	10.81	14.98	7.11	1.457	5	0.40	-118.6
8:40	0.10	7.57	10.81	14.88	7.11	1.495	4	0.34	-121.5
8:45	0.10	9.46	10.82	14.98	7.12	1.502	3	0.31	-121.5
8:50	0.10	1.136	10.82	14.92	7.12	1.542	4	0.29	-122.2
8:55	0.10	1.325	10.82	15.02	7.12	1.570	3	0.26	-122.1
9:00	0.10	1.514	10.82	15.01	7.13	1.582	2	0.25	-117.5
9:05	0.10	1.703	10.82	15.04	7.16	1.593	3	0.22	-119.4

* 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 water was gray tint, and mod. odor. Slight sheen on purge water.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

C:\Documents and Settings\kbeach\Local Settings\Temp\554159 Attachment D-2.xls

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4
Sampling Personnel SEK/AMG
Date 10-4-04
Weather Sunny 65°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 3.0' Meas. From GS
Well Diameter 0.75"
Screen Interval Depth 6-16 Meas. From BGS
Water Table Depth 14.48 Meas. From TIC
Well Depth 18.20 Meas. From TIC
Length of Water Column 1.86'
Volume of Water in Well 0.04 gallon
Intake Depth of Pump/Tubing 17' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1650
Sample ID H78B-MW 15
Duplicate ID —
MS/MSD —
Split Sample ID —

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

Other (Specify): Cyanide (Filtered), Sulfide

EVACUATION INFORMATION

Pump Start Time 1556
Pump Stop Time 1744
Minutes of Pumping 108
Volume of Water Removed 3.0 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH 2100P TURBIDIMETER: 02100000028323
YSI 556 MPS: 03M0230 AC

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1600	0.100	—	—	—	—	—	76	—	—
1605	0.100	0.13	—	—	—	—	17	—	—
1614	0.100	0.36	—	16.33	8.37	0.437	5	5.02	111.4
1619	0.100	0.49	—	16.28	8.30	0.434	3	4.56	103.3
1624	0.100	0.62	—	16.16	8.16	0.431	2	4.51	99.2
1629	0.100	0.75	—	16.09	8.08	0.428	1	4.43	98.0
1634	0.100	0.88	—	16.10	8.01	0.424	1	4.59	97.0
1638	0.100	0.01	—	16.05	7.99	0.421	1	4.37	97.0
1641	0.100	1.14	—	16.03	7.95	0.423	0	4.28	97.6

* 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 Unable to take water level readings due to diameter of tube. INITIAL PURGE: turbid, orangish color, no odor

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
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
Sampling Personnel KLB, AMG
Date 10.1.04
Weather CLOUDY, 60°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 2.53 Meas. From BGS
Well Diameter 2"
Screen Interval Depth 20.1-30.1 Meas. From BGS
Water Table Depth 7.65 Meas. From TIC
Well Depth 32.60 Meas. From TIC
Length of Water Column 24.95'
Volume of Water in Well 4.07 gallons
Intake Depth of Pump/Tubing 24.50' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 12:55
Sample ID OPCA-MW-1
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)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify)	(X)

Other (Specify): Cyanide, Sulfide

EVACUATION INFORMATION

Pump Start Time 1201
Pump Stop Time 1417
Minutes of Pumping 136 min
Volume of Water Removed 3.1 gal
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS: 03C0392AF
HACH 2100P TURBIDIMETER: 0210000 28323

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]*
1202	0.125	—	7.65	—	—	—	5	—	—
1208	0.125	0.140	9.95	15.14	7.30	0.486	4	2.06	52.6
1213	0.125	0.34	9.47	15.00	7.29	0.485	2	1.16	40.0
1218	0.100	0.47	10.1	15.31	7.34	0.489	2	0.72	16.4
1223	0.100	0.60	10.66	15.59	7.41	0.486	2	0.70	3.7
1228	0.100	0.73	11.27	15.30	7.49	0.488	1	0.72	-9.4
1233	0.100	0.86	11.86	15.07	7.45	0.487	1	0.77	-15.9
1237	0.100	0.99	12.35	15.20	7.47	0.486	1	0.80	-19.2
1241	0.100	1.12	12.77	15.15	7.51	0.487	1	0.81	-25.0
1244	0.100	1.25	13.11	14.96	7.50	0.487	1	0.83	-29.2
1247	0.100	1.38	13.39	15.07	7.51	0.486	1	0.84	-31.0
1250	0.100	1.51	13.61	15.06	7.50	0.488	1	0.83	-32.0

* 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: no odor, slightly turbid, clear.
FINAL PURGE - CLEAR, COLORLESS, ODORLESS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel JAP, MAH
Date 10/5/04
Weather Sunny, 50's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ~2' stickup Meas. From BGS
Well Diameter 2"
Screen Interval Depth 13-23' Meas. From BGS
Water Table Depth 17.04' Meas. From TIC
Well Depth 25.17' Meas. From TIC
Length of Water Column 8.13'
Volume of Water in Well 1.32 gallons
Intake Depth of Pump/Tubing 21.11' Meas. From TIC

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

Redevelop? Y (N)

EVACUATION INFORMATION JP

Pump Start Time ~~1503~~ 1526
Pump Stop Time 1811
Minutes of Pumping 135
Volume of Water Removed 3.32 gal
Did Well Go Dry? Y (N)

Sample Time 1620
Sample ID OPCA-MW-2
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)
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Cyanide ~~Other (Specify)~~	(X)
(X)	Sulfide	(X)
(X)	Dioxin/Furan	(X)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk system 1 42332031
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03C0392 AE
HACH TURBIDMETER 021000C23329

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]*
1528	75	—	17.08	—	—	—	2	—	—
1538	100	0.2646	17.12	13.37	6.46	0.853	15	10.20	98.9
1543	100	0.3969	19.25	12.72	5.98	0.851	19	3.66	119.8
1548	100	0.5292	17.22	12.76	6.10	0.849	15	3.42	113.1
1553	100	0.6615	17.26	12.92	6.13	0.846	14	3.41	106.3
1558	100	0.7938	17.26	12.95	6.17	0.845	9	3.48	104.4
1602	100	0.9261	17.25	12.94	6.20	0.845	7	3.54	104.6
1606	100	1.0584	17.25	12.98	6.25	0.846	6	3.57	99.6
1610	100	1.1907	17.25	13.00	6.25	0.846	4	3.54	100.0
1614	100	1.3230	17.25	13.06	6.34	0.847	3	3.70	94.2
1618	100	1.4553	17.25	13.08	6.31	0.845	3	3.62	91.0

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: Clear, colorless, odorless
Final purge: Clear, colorless, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

C:\Documents and Settings\jap\Local Settings\Temp\554199 Attachment 0-2.xls

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4
Sampling Personnel SEK/AMG
Date 10-6-04
Weather PARTLY CLOUDY, 50°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 0.4' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 18-28' Meas. From BGS
Water Table Depth 18.77' Meas. From TIC
Well Depth 27.43 Meas. From TIC
Length of Water Column 8.66
Volume of Water in Well 1.41 gallons
Intake Depth of Pump/Tubing 23.5' Meas. From TIC

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

Redevelop? Y (N)

Sample Time 1100
Sample ID OPCA-MW-3
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)	PCBs (Dissolved)	(X)
( )	Metals/Inorganics (Total)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) CYANIDE (Fl.) SULFIDE	(X)

EVACUATION INFORMATION

Pump Start Time 0917
Pump Stop Time 1259
Minutes of Pumping 222
Volume of Water Removed 3.5 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: HACH 2100P TURBIDIMETER: 021000020323
YSI 556 MPS: 03C1461 A1

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]*
0920	0.100	—	18.90	—	—	—	82	—	—
0925	0.100	0.13	18.92	—	—	—	121	—	—
0930	0.100	0.26	18.92	—	—	—	115	—	—
0940	0.100	0.[illegible]	18.92	—	—	—	91	—	—
0950	0.100	0.[illegible]	18.95	—	—	—	62	—	—
1000	0.100	1.04	18.99	—	—	—	24	—	—
1020	0.100	1.56	18.99	16.53	6.60	0.738	13	3.04	-336.2
1025	0.100	1.69	18.99	16.52	6.66	0.734	10	3.11	-332.0
1030	0.100	1.82	19.00	16.68	6.70	0.730	7	3.07	-325.8
1035	0.100	1.95	19.00	16.99	6.74	0.726	6	2.97	-328.9
1040	0.100	1.08	19.00	17.01	6.77	0.725	5	2.92	-321.1
1045	0.100	1.21	18.96	17.42	6.75	0.725	4	2.86	-316.1

* 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: orangish color, turbid, brown/orange flakes.

SAMPLE DESTINATION

Laboratory: TGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4
Sampling Personnel SEK/AMG
Date 10-6-04
Weather PARTLY Cloudy, 50°F

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.4 Meas From BGS
Well Diameter 2"
Screen Interval Depth 18-28 Meas From BGS
Water Table Depth 18.77 Meas From TIC
Well Depth 27.43 Meas From TIC
Length of Water Column 8.66
Volume of Water in Well 1.41 gallons
Intake Depth of Pump/Tubing 23.1' Meas From TIC

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

Redevelop? Y (N)

Sample Time 1100
Sample ID OPCA-MW-3
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	PCDDs/PCDFs	(X)
	Pesticides/Herbicides	( )
	Natural Attenuation	( )
X	Other (Specify)	(X)

Other (Specify): cyanide (filtered), sulfide

EVACUATION INFORMATION

Pump Start Time 0917
Pump Stop Time 1239
Minutes of Pumping 222
Volume of Water Removed 3.5 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers HACH 2100 P TURBIDIMETER: 0210000 28323
YSI 556 MPS: 03C 1461 A1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) (3%)*	pH (0.1 units)*	Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) (10% or 1 NTU)*	DO (mg/l) (10% or 0.1 mg/l)*	ORP (mV) (10 mV)*
1050	0.100	1.34	18.97	17.54	6.76	0.727	4	2.85	-314.2
1055	0.100	1.47	18.97	17.42	6.78	0.727	4	2.79	-311.3

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS –

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: –

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel MAH, JAP
Date 10/04/04
Weather Sunny, 50's

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 0.6' Meas. From ~~TIC~~ BGS
Well Diameter 2"
Screen Interval Depth 12-22' Meas. From TIC
Water Table Depth 11.83' Meas. From TIC
Well Depth 21.28' Meas. From TIC
Length of Water Column 9.45'
Volume of Water in Well
Intake Depth of Pump/Tubing 16.5' Meas. From ~~BGS~~ TIC JP

Sample Time 1625
Sample ID OPCA-MW-4
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)	( )
(X)	SVOCs	(X)
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	Metals/Inorganics (Total)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Dioxin/Furan	(X)
(X)	Cyanide	(X)

EVACUATION INFORMATION

Pump Start Time 1537
Pump Stop Time 1720
Minutes of Pumping 103
Volume of Water Removed 3.26
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( ) Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump E02002739
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03C0392
HACH turbidmeter 02i000028239

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]*
1538	125	—	12.92	—	—	—	~~8~~	—	—
1545	175	0.3241	12.93	15.18	6.29	1.912	9	2.93	164.6
1550	75	0.5556	12.42	15.16	6.29	2.007	9	1.68	161.2
1555	125	0.7209	12.52	15.21	6.36	2.149	7	1.40	152.0
1600	125	0.8862	12.65	15.24	6.40	2.188	6	1.28	142.0
1606	125	1.0515	12.76	15.17	6.46	2.238	4	1.17	129.2
1610	150	1.2499	12.91	15.16	6.48	2.261	3	1.12	126.7
1615	125	1.4152	12.96	15.15	6.50	2.295	3	1.07	123.4

* 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, odorless
Final purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel MAH, JAP
Date 10/4/04
Weather Sunny, ~~60's~~ 50's JP

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point 0.4' Meas. From ~~TIC~~ BGS JP
Well Diameter 2"
Screen Interval Depth 11.25-21.25' Meas. From TIC
Water Table Depth 11.96' Meas. From TIC
Well Depth 22.45' Meas. From TIC
Length of Water Column 10.49'
Volume of Water in Well
Intake Depth of Pump/Tubing 16.25' Meas. From ~~Ground~~ ~~BGS~~ TIC JP

Sample Time 1352
Sample ID MW-5R
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)	( )
(X)	SVOCs	(X)
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	Metals/Inorganics (Total)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Dioxin/Furan	(X)
(X)	Cyanide	(X)

EVACUATION INFORMATION

Pump Start Time 1235
Pump Stop Time 1458
Minutes of Pumping 143
Volume of Water Removed 4.5 gallons
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump ( ) Peristaltic Pump (X) Submersible Pump ( ) Other/Specify ( )
Pump Type: geopump E02 002 739
Samples collected by same method as evacuation? (Y) N (specify)

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS 03C0397
HAC Turbidmeter 02100028329

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]*
1236	200	—	11.15	—	—	—	15	—	—
1246	175	0.51	12.44	16.64	6.16	1.289	18	1.27	166.4
1251	150	0.71	12.77	16.47	6.19	1.278	12	1.11	155.6
1256	150	0.91	JP 12.81	16.39	6.25	1.262	10	1.02	138.4
1301	125	1.07	11.96	16.46	6.27	1.253	7	0.92	122.0
1306	125	1.24	12.11	16.53	6.30	1.252	6	0.79	105.2
1311	125	1.40	12.26	16.03	6.31	1.296	10	0.77	94.6
1316	125	1.57	12.40	16.06	6.30	1.295	7	0.62	87.8
1321	125	1.73	12.56	15.93	6.31	1.281	7	0.54	77.7
1326	125	1.90	12.71	16.06	6.32	1.277	5	0.47	72.6
1331	125	2.06	12.86	16.10	6.34	1.271	4	0.40	67.6
1336	125	2.23	13.00	16.09	6.32	1.266	3	0.36	62.8

* The stabilization criteria for each field parameter (three consecutive readings collected at 2- to 5-minute intervals) is listed in each column heading.

OBSERVATIONS/SAMPLING METHOD DEVIATIONS Initial purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel MAH, JAP
Date 10/4/04
Weather Sunny, 50's

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

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

Redevelop? Y N

EVACUATION INFORMATION

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

Sample Time 1352
Sample ID MW-5R
Duplicate ID _____
MS/MSD —
Split Sample ID —

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

see page 1

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1341	100	2.38	13.09	16.15	6.34	1.267	2	0.32	56.7
1345	100	2.47	13.10	16.110	6.37	1.274	2	0.30	52.10
1349	100	2.58	13.25	16.10	6.30	1.278	1	0.29	48.2

* 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 Final purge: Clear, odorless

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-6
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA 4
Sampling Personnel GAR
Date 10/4/04
Weather Foggy, Partly sunny, 50-55°F

Sample Time 10:45
Sample ID —
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.65' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 15'-25' Meas. From Ground
Water Table Depth 16.98' Meas. From TIC
Well Depth 24.02' Meas. From TIC
Length of Water Column 7.04'
Volume of Water in Well 1.15 gallons
Intake Depth of Pump/Tubing 20.5' Meas. From TIC

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

Redevelop? Y (N)

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

Other (Specify): Sulfide

EVACUATION INFORMATION

Pump Start Time 9:05
Pump Stop Time 12:20
Minutes of Pumping 195
Volume of Water Removed 4.5 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-556 MPS - 03C1461 A1
Hach 2100P Turbidimeter - 0210000028329

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
				—	—	—	12	—	—
9:10	100 ml	0.13	17.08	—	—	—	—	—	—
9:25	100 ml	0.53	17.10	9.98	6.80	1.161	16	13.16	-211.0
9:30	100 ml	0.66	17.14	10.42	6.85	1.213	14	8.04	-212.6
9:35	100 ml	0.79	17.17	10.60	6.87	1.281	10	7.40	-214.3
9:40	100 ml	0.93	17.18	10.77	6.92	1.350	7	6.38	-220.5
9:45	100 ml	1.06	17.19	10.88	6.96	1.414	5	5.72	-224.3
9:50	100 ml	1.19	17.20	10.96	6.99	1.464	5	5.87	-221.5
9:55	100 ml	1.32	17.21	11.02	7.01	1.527	4	5.87	-220.2
10:00	100 ml	1.46	17.22	11.09	7.04	1.594	3	5.84	-220.9
10:05	100 ml	1.59	17.22	11.13	7.04	1.645	3	5.81	-219.9
10:10	100 ml	1.72	17.23	11.27	7.07	1.704	3	5.79	-221.2
10:15	100 ml	1.85	17.24	11.33	7.09	1.766	3	5.61	-223.1

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

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

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

Well No. OPCA-MW-6
Key No. NA
PID Background (ppm) 0
Well Headspace (ppm) 0

Site/GMA Name GE Pittsfield - GMA 4
Sampling Personnel GAR
Date 10/4/04
Weather Foggy, Partly sunny, 50-55°F

Sample Time 10:45
Sample ID
Duplicate ID —
MS/MSD —
Split Sample ID —

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.65' Meas. From Ground
Well Diameter 2"
Screen Interval Depth 15'-25' Meas. From Ground
Water Table Depth 16.98' Meas. From TIC
Well Depth 24.02' Meas. From TIC
Length of Water Column 7.04'
Volume of Water in Well 1.15 gallon
Intake Depth of Pump/Tubing 20.5' Meas. From TIC

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

Redevelop? Y (N)

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

EVACUATION INFORMATION

Pump Start Time 9:05
Pump Stop Time 12:20
Minutes of Pumping 195
Volume of Water Removed 4.5 gallons
Did Well Go Dry? Y (N)

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
10:20	100ml	1.98	17.24	11.50	7.11	1.803	3	5.55	-225.3
10:25	100ml	2.12	17.26	11.44	7.11	1.854	2	5.45	-226.9
10:30	100ml	2.25	17.38	11.57	7.12	1.892	2	5.16	-228.8
10:33	100ml	2.33	17.28	11.63	7.13	1.914	2	5.05	-229.6
10:36	100ml	2.41	17.29	11.74	7.15	1.942	2	5.07	-230.2
10:39	100ml	2.49	17.30	11.74	7.14	1.966	2	5.15	-229.7
10:42	100ml	2.57	17.31	11.74	7.15	1.992	2	5.17	-230.8

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator:

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4
Sampling Personnel SBK/AMG
Date 10/4/04
Weather Sunny 65°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.6' Meas. From BGS
Well Diameter 2"
Screen Interval Depth 14-24 Meas. From TIC
Water Table Depth 15.86' Meas. From TIC
Well Depth 23.66' Meas. From TIC
Length of Water Column 7.80'
Volume of Water in Well 1.27 gallons
Intake Depth of Pump/Tubing 18' Meas. From TIC

Sample Time 13:33
Sample ID OPCA-MW-7
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)	( )
(X)	SVOCs	(X)
( )	PCBs (Total)	( )
(X)	PCBs (Dissolved)	(X)
( )	Metals/Inorganics (Total)	( )
(X)	Metals/Inorganics (Dissolved)	(X)
(X)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Cyanide-filtered, Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1148
Pump Stop Time 1447
Minutes of Pumping 89
Volume of Water Removed 4.2 gallons
Did Well Go Dry? Y (N)

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1150	0.175	0.07	16.02	—	—	—	22	—	—
~~1202~~ 1207	0.100	0.20	16.63	16.06	8.53	1.055	2	2.67	104.4
1212	0.100	0.33	16.98	16.34	8.58	1.041	1	2.58	77.8
1217	0.100	0.46	17.14	16.61	8.62	1.022	1	2.58	68.0
1222	0.100	0.59	17.27	16.54	8.74	1.016	1	2.38	58.9
1227	0.100	0.72	17.45	16.62	8.74	1.009	0	2.39	47.5
1247	0.100	1.24	17.65	16.97	8.65	1.042	2	2.87	66.0
* 1252	0.100	1.38	17.76	17.52	8.99	1.024	2	2.77	54.6
1257	0.100	1.51	17.94	16.61	8.64	1.081	2	2.65	53.7
1302	0.100	1.64	18.15	16.33	8.61	1.085	2	2.41	51.4
1307	0.100	1.77	18.27	16.39	8.63	1.083	5	2.49	60.7
1312	0.100	1.90	18.40	16.50	8.68	1.067	5	2.38	47.7

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

*Note: At 1252 the intake depth of tubing was lowered to 21' due to water level drop.

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

C:\Documents and Settings\...\Local Settings\Temp\...Attachment D-2.xls

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA 4
Sampling Personnel SEK / AMG
Date 10/4/04
Weather Sunny 65°

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point -0.4 Meas. From BGS
Well Diameter 2"
Screen Interval Depth 14-24' Meas. From TIC
Water Table Depth 15.86 Meas. From TIC
Well Depth 23.66 Meas. From TIC
Length of Water Column 7.80'
Volume of Water in Well 1.27 gallons
Intake Depth of Pump/Tubing 18' ± Meas. From TIC
later dropped to 21'

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

Redeveloped? Y (N)

Sample Time 13:33
Sample ID OPCA-MW-7
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)	PCDDs/PCDFs	(X)
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Cyanide-filtered Sulfide	(X)

EVACUATION INFORMATION

Pump Start Time 1148
Pump Stop Time 1447
Minutes of Pumping 179
Volume of Water Removed 9.25 gallons
Did Well Go Dry? Y (N)

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

Water Quality Meter Type(s) / Serial Numbers: YSI-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]*
1317	0.100	2.03	18.52	16.48	8.68	1.053	3	2.32	45.3
1322	0.100	2.16	18.67	16.60	8.66	1.050	2	2.31	41.9
1327	0.100	2.29	18.81	16.74	8.69	1.050	1	2.36	39.3
1330	0.100	2.37	18.88	16.72	8.68	1.051	1	2.23	38.3

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS —

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel M&H, JAP
Date 10/5/04
Weather Sunny, 40s

WELL INFORMATION

Reference Point Marked? (Y) N
Height of Reference Point ____ Meas. From BGS
Well Diameter 2"
Screen Interval Depth 13.5'-23.5' Meas. From TIC
Water Table Depth 10.01' Meas. From TIC
Well Depth 21.78' Meas. From TIC
Length of Water Column 11.77'
Volume of Water in Well ____
Intake Depth of Pump/Tubing 18.5' Meas. From TIC

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

Redevelop? Y N

Sample Time 1148
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)
( )	PCDDs/PCDFs	( )
( )	Pesticides/Herbicides	( )
( )	Natural Attenuation	( )
(X)	Other (Specify) Cyanide	(X)
(X)	Sulfide	(X)
(X)	Dioxin/Furan	(X)

EVACUATION INFORMATION

Pump Start Time 1017
Pump Stop Time 1244
Minutes of Pumping 147
Volume of Water Removed 3.95 gal
Did Well Go Dry? Y (N)

Evacuation Method: Bailer ( ) Bladder Pump (X)
Peristaltic Pump ( ) Submersible Pump ( ) Other/Specify ( )
Pump Type: Marschalk Corp. System 1 SN
Samples collected by same method as evacuation? (Y) N (specify) 423520

Water Quality Meter Type(s) / Serial Numbers: YSI 556 MPS SN 03C0392
HACH Turbidimeter SN 021C00255329

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]*
1019	200	—	10.95	—	—	—	308	—	—
1024	50	0.01661	11.06	—	—	—	229	—	—
1029	100	0.1984	11.35	—	—	—	137	—	—
1034	100	0.3307	11.64	—	—	—	84	—	—
1039	75	0.4299	11.88	—	—	—	64	—	—
1044	50	0.49160	12.00	—	—	—	58	—	—
1049	100	0.62883	12.10	—	—	—	41	—	—
1059	100	0.8929	12.31	15.27	6.85	2.253	36	7.01	100.4
1104	100	1.0252	12.40	15.11	6.104	2.249	21	5.71	124.6
1109	100	1.1575	12.64	15.26	6.73	2.236	18	5.58	118.0
1114	100	1.2898	12.82	15.21	6.74	2.219	16	5.72	113.5
1119	100	1.4221	13.01	15.34	6.71	2.187	11	5.75	105.7

* 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: Cloudy, colorless, brownish color

SAMPLE DESTINATION

Laboratory: STL
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: [signature]

GROUNDWATER SAMPLING LOG

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

Site/GMA Name GMA-4
Sampling Personnel JAP, MAH
Date 10/5/04
Weather SUNNY, 40'S-50'S

WELL INFORMATION

Reference Point Marked? Y N
Height of Reference Point _____ Meas. From _____
Well Diameter _____
Screen Interval Depth _____ Meas. From _____
Water Table Depth _____ Meas. From _____
Well Depth _____ Meas. From _____
Length of Water Column _____
Volume of Water in Well _____
Intake Depth of Pump/Tubing _____ Meas. From _____

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

Redevelop? Y N

EVACUATION INFORMATION

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

Sample Time 1148
Sample ID _____
Duplicate ID _____
MS/MSD _____
Split Sample ID _____

See page 1

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

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

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

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1124	100	1.5544	13.10	15.54	6.85	2.163	8	5.73	103.1
1129	100	1.6816	13.25	15.162	6.89	2.152	8	5.76	97.7
1134	100	1.8190	13.35	15.43	6.96	2.123	7	5.87	93.3
1139	100	1.9513	13.52	15.10	6.91	2.123	7	5.93	96.4
1144	100	2.0836	13.65	15.13	6.91	2.121	6	5.97	102.6

* 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 Final purge: Clear, odorless, ~~colorless~~

SAMPLE DESTINATION

Laboratory: SGS
Delivered Via: UPS
Airbill #: —

Field Sampling Coordinator: _____

Appendix E

Fall 2004 Data Validation Report

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

APPENDIX E
GROUNDWATER SAMPLING DATA VALIDATION REPORT
GROUNDWATER MANAGEMENT AREA 4

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

1.0 General

This appendix summarizes the Tier I and Tier II data reviews performed for groundwater samples collected during Remedial Investigation activities at Groundwater Management Area 4 located in Pittsfield, Massachusetts. The samples were analyzed for various 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), excluding pesticides and herbicides, by SGS Environmental Services, Inc. (formerly CT&E) of Charleston, West Virginia. Data validation was performed for 19 polychlorinated biphenyl (PCB) samples, 18 volatile organic compound (VOC) samples, 15 semi-volatile organic compound (SVOC) samples, 12 polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples, three total petroleum hydrocarbon (TPH) samples and 13 metals samples, and 13 cyanide/sulfide samples.

2.0 Data Evaluation Procedures

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

- *Field Sampling Plan/Quality Assurance Project Plan, 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 E-1. Each sample subjected to evaluation is listed in Table E-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 E-1 for consistency with documents previously prepared for this investigation.

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 E-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 that 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. A tabulated summary of the samples subjected to Tier I and Tier II data evaluation is presented in the following table.

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

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	6	0	0	13	0	0	19
VOCs	0	0	0	15	0	3	18
SVOCs	0	0	0	15	0	0	15
TPHs	0	0	0	3	0	0	3
PCDDs/PCDFs	0	0	0	12	0	0	12
Metals	0	0	0	13	0	0	13
Cyanide/Sulfide	0	0	0	13	0	0	13
Total	**6**	**0**	**0**	**84**	**0**	**3**	**93**

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 USEPA Region I Tier I data completeness requirements.

As specified in the FSP/QAPP, approximately 25% of the laboratory sample delivery group packages were randomly chosen to be subjected to Tier II review. A Tier II review was also performed to resolve data usability limitations identified from laboratory qualification of the data during the Tier I data review. 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. Due to the variable sizes of the data packages and the number of data qualification issues identified during the Tier I review, approximately 94% of the data were subjected to a Tier II review. 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.

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

Initial calibration criterion for SVOCs requires that the percent relative standard deviation (%RSD) must be less than or equal to 30%. Sample data for detect and non-detect compounds with %RSD values greater than 30% were qualified as estimated (J). The compound that exceeded the initial calibration criterion and the number of samples qualified due those deviations are presented in the following table.

Compound Qualified Due to Initial Calibration %RSD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	4-Nitrophenol	12	J

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

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compounds	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	18	J
	2-Butanone	7	J
	Acetone	7	J
	Acetonitrile	7	J
	Isobutanol	11	J
	Propionitrile	18	J
SVOCs	4,6-Dinitro-2-methylphenol	1	J
	4-Nitroquinoline-1-oxide	14	J
	Safrole	1	J

The continuing calibration criterion for organic analyses 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 did not meet the continuing calibration criterion and the number of samples qualified are presented in the following table.

Compounds Qualified Due to Continuing Calibration Deviations (RRF)

Analysis	Compounds	Number of Affected Samples	Qualification
VOCs	2-Butanone	4	J
	Isobutanol	6	J
SVOCs	1,3,5-Trinitrobenzene	13	J
	Benzidine	2	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	Compounds	Number of Affected Samples	Qualification
VOCs	1,1,2,2-Tetrachloroethane	10	J
	1,2-Dibromo-3-chloropropane	4	J
	1,2-Dichloroethane	1	J
	2-Butanone	6	J
	2-Hexanone	11	J
	4-Methyl-2-pentanone	4	J
	Acetone	1	J
	Acetonitrile	4	J
	Bromomethane	1	J
	Carbon Disulfide	4	J
	Carbon Tetrachloride	4	J
	Chloromethane	5	J
	Dichlorodifluoromethane	12	J
	Ethyl Methacrylate	8	J
	Iodomethane	5	J
	Isobutanol	1	J

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compounds	Number of Affected Samples	Qualification
VOCs (continued)	Tetrachloroethene	11	J
	Vinyl Acetate	1	J
SVOCs	1,3-Dinitrobenzene	1	J
	1,4-Naphthoquinone	9	J
	1-Naphthylamine	2	J
	2,3,4,6-Tetrachlorophenol	1	J
	2,4-Dinitrophenol	3	J
	2,6-Dinitrotoluene	1	J
	2-Nitroaniline	1	J
	3,3'-Dichlorobenzidine	6	J
	3-Nitroaniline	1	J
	4-Nitrophenol	3	J
	4-Nitroquinoline-1-oxide	6	J
	a,a'-Dimethylphenethylamine	6	J
	Aniline	2	J
	Aramite	6	J
	Benzidine	14	J
	Benzo(a)pyrene	2	J
	Benzo(b)fluoranthene	4	J
	Benzo(g,h,i)perylene	2	J
	Benzyl Alcohol	2	J
	bis(2-Chloroisopropyl)ether	13	J
	Butylbenzylphthalate	1	J
	Dibenzo(a,h)anthracene	4	J
	Hexachlorocyclopentadiene	4	J
	Hexachloropropene	1	J
	Indeno(1,2,3-cd)pyrene	4	J
	Isosafrole	4	J
	Methapyrilene	6	J
	Methyl Methanesulfonate	13	J
	N-Nitroso-di-n-butylamine	2	J
	N-Nitrosopiperidine	2	J
	N-Nitrosopyrrolidine	1	J
	o-Toluidine	2	J
	p-Dimethylaminoazobenzene	4	J
	Pronamide	14	J
	Safrole	11	J
	Thionazin	1	J

Contract required detection limit (CRDL) standards were analyzed to evaluate instrument performance at low-level concentrations that are near the analytical method PQL. These standards are required to have recoveries between 80% and 120% to verify that the analytical instrumentation was properly calibrated. When CRDL standard recoveries were not in this range, the affected samples with detected results at or near the PQL concentration (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	Analytes	Number of Affected Samples	Qualification
Inorganics	Arsenic	6	J
	Lead	6	J
	Selenium	5	J
	Thallium	11	J
	Zinc	5	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery be within the laboratory-generated QC control limits specified on the MS reporting form. Associated sample results with MS/MSD recoveries that were less than the laboratory-generated QC control limits and have recoveries greater than 10% were qualified as estimated (J). The compounds that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to MS/MSD Recovery Deviations

Analysis	Compounds	Number of Affected Samples	Qualification
SVOCs	1,2,4-Trichlorobenzene	1	J
	1,4-Dichlorobenzene	1	J
	2,4-Dinitrotoluene	1	J
	Acenaphthene	1	J
	N-Nitroso-di-n-propylamine	1	J

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

Compounds Qualified Due to MS/MSD RPD Deviations

Analysis	Compounds	Number of Affected Samples	Qualification
SVOCs	1,2,4-Trichlorobenzene	1	J
	1,4-Dichlorobenzene	1	J
	2,4-Dinitrotoluene	1	J
	Acenaphthene	1	J
	N-Nitroso-di-n-propylamine	1	J
	Pyrene	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 control limits and were greater than 10%. Non-detect sample results 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	Compounds	Number of Affected Samples	Qualification
SVOCs	All acid compounds	2	R

Blank action levels for inorganic analytes detected in the blanks were calculated at five times the blank concentrations. Detected sample result that was below the blank action level and above the instrument detection limit (IDL) was qualified with a "U." The analyte detected in method blank which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

Analyte Qualified Due to Blank Deviations

Analysis	Analyte	Number of Affected Samples	Qualification
Inorganics	Zinc	9	U

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	98.0	A total of 34 sample results were rejected due to surrogate recovery deviations.
PCBs	100	None
TPHs	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, 0.17% of the data required qualification due to MS/MSD RPD deviations. None of the data required qualification due to laboratory duplicate RPD deviations, field duplicate RPD deviations, or ICP serial dilution sample 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 standards (LCSs), MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 10.9% of the data required qualification due to calibration deviations, 0.15% of the data required qualification due to MS/MSD recovery deviations, 1.0% of the data required qualification due to CRDL standard recovery deviations, and 1.0% of the data required qualification due to surrogate compound standard recovery deviations. None of the data required qualification due to internal standards recovery deviations or LCS 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, none of the data required qualification for exceeding holding time requirements.

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

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

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 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. 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 98.0% to 100% for individual analytical parameters and had an overall usability of 99.7 %, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

TABLE E - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
4G0P279	GMA4-5	7/13/2004	Water	Tier I	No						
4G0P279	GMA4-5 (Filtered)	7/13/2004	Water	Tier I	No						
4I0P625	GMA4-5	9/28/2004	Water	Tier I	No						
4I0P625	GMA4-5 (Filtered)	9/28/2004	Water	Tier I	No						
4J0P040	78-1	9/30/2004	Water	Tier II	No						
4J0P040	78-6	10/1/2004	Water	Tier II	No						
4J0P040	H78B-13R (Filtered)	10/1/2004	Water	Tier II	No						
4J0P040	H78B-13R	10/1/2004	Water	Tier II	No						
4J0P040	OPCA-MW-1	10/1/2004	Water	Tier II	No						
4J0P065	OPCA-MW-5R	10/4/2004	Water	Tier II	No						
4J0P065	OPCA-MW-6	10/4/2004	Water	Tier II	No						
4J0P065	OPCA-MW-7	10/4/2004	Water	Tier II	No						
4J0P097	H78B-15	10/4/2004	Water	Tier II	No						
4J0P097	OPCA-MW-4	10/4/2004	Water	Tier II	No						
4J0P097	OPCA-MW-8	10/5/2004	Water	Tier II	No						
4J0P143	OPCA-MW-2	10/5/2004	Water	Tier II	No						
4J0P143	OPCA-MW-3	10/6/2004	Water	Tier II	No						
4L0P011	GMA4-5	11/30/2004	Water	Tier I	No						
4L0P011	GMA4-5 (Filtered)	11/30/2004	Water	Tier I	No						
Total Petroleum Hydrocarbons											
4G0P279	GMA4-5 (Filtered)	7/13/2004	Water	Tier II	No						
4I0P625	GMA4-5	9/28/2004	Water	Tier II	No						
4L0P011	GMA4-5	11/30/2004	Water	Tier II	No						
Metals											
4J0P040	78-1	9/30/2004	Water	Tier II	Yes	Selenium	CRDL Standard %R	134.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	72.9%	80% to 120%	ND(0.0100) J	
						Zinc	Method Blank	-	-	ND(0.012)	
						Zinc	CRDL Standard %R	78.7%	80% to 120%	ND(0.012) J	
4J0P040	78-6	10/1/2004	Water	Tier II	Yes	Selenium	CRDL Standard %R	134.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	72.9%	80% to 120%	ND(0.0100) J	
						Zinc	CRDL Standard %R	78.7%	80% to 120%	ND(0.0200) J	
4J0P040	H78B-13R (Filtered)	10/1/2004	Water	Tier II	Yes	Selenium	CRDL Standard %R	134.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	72.9%	80% to 120%	ND(0.0100) J	
						Zinc	CRDL Standard %R	78.7%	80% to 120%	ND(0.0200) J	
4J0P040	H78B-13R	10/1/2004	Water	Tier II	Yes	Selenium	CRDL Standard %R	134.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	72.9%	80% to 120%	ND(0.0100) J	
						Zinc	CRDL Standard %R	78.7%	80% to 120%	0.0150 J	
4J0P040	OPCA-MW-1	10/1/2004	Water	Tier II	Yes	Zinc	Method Blank	-	-	ND(0.012)	
						Selenium	CRDL Standard %R	134.2%	80% to 120%	ND(0.00500) J	
						Thallium	CRDL Standard %R	72.9%	80% to 120%	ND(0.0100) J	
						Zinc	CRDL Standard %R	78.7%	80% to 120%	ND(0.012) J	
4J0P065	OPCA-MW-5R	10/4/2004	Water	Tier II	Yes	Arsenic	CRDL Standard %R	79.0%	80% to 120%	ND(0.0100) J	
						Lead	CRDL Standard %R	71.7%	80% to 120%	ND(0.00300) J	
						Thallium	CRDL Standard %R	72.5%	80% to 120%	ND(0.0100) J	
						Zinc	Method Blank	-	-	ND(0.020)	
4J0P065	OPCA-MW-6	10/4/2004	Water	Tier II	Yes	Arsenic	CRDL Standard %R	79.0%	80% to 120%	ND(0.0100) J	
						Lead	CRDL Standard %R	71.7%	80% to 120%	ND(0.00300) J	
						Thallium	CRDL Standard %R	72.5%	80% to 120%	ND(0.0100) J	
						Zinc	Method Blank	-	-	ND(0.020)	
4J0P065	OPCA-MW-7	10/4/2004	Water	Tier II	Yes	Arsenic	CRDL Standard %R	79.0%	80% to 120%	ND(0.0100) J	
						Lead	CRDL Standard %R	71.7%	80% to 120%	ND(0.00300) J	
						Thallium	CRDL Standard %R	72.5%	80% to 120%	ND(0.0100) J	
						Zinc	Method Blank	-	-	ND(0.020)	
4J0P097	H78B-15	10/4/2004	Water	Tier II	Yes	Arsenic	CRDL Standard %R	79.0%	80% to 120%	ND(0.0100) J	
						Lead	CRDL Standard %R	71.7%	80% to 120%	ND(0.00300) J	
						Thallium	CRDL Standard %R	72.5%	80% to 120%	ND(0.0100) J	
						Zinc	Method Blank	-	-	ND(0.020)	
4J0P097	OPCA-MW-4	10/4/2004	Water	Tier II	Yes	Arsenic	CRDL Standard %R	79.0%	80% to 120%	ND(0.0100) J	
						Lead	CRDL Standard %R	71.7%	80% to 120%	ND(0.00300) J	
						Thallium	CRDL Standard %R	72.5%	80% to 120%	ND(0.0100) J	
4J0P097	OPCA-MW-8	10/5/2004	Water	Tier II	Yes	Arsenic	CRDL Standard %R	79.0%	80% to 120%	ND(0.0100) J	
						Lead	CRDL Standard %R	71.7%	80% to 120%	ND(0.00300) J	
						Thallium	CRDL Standard %R	72.5%	80% to 120%	ND(0.0100) J	
						Zinc	Method Blank	-	-	ND(0.020)	
4J0P143	OPCA-MW-2	10/5/2004	Water	Tier II	Yes	Zinc	Method Blank	-	-	ND(0.020)	
4J0P143	OPCA-MW-3	10/6/2004	Water	Tier II	Yes	Zinc	Method Blank	-	-	ND(0.020)	

TABLE E - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs											
4G0P279	GMA4-5	7/13/2004	Water	Tier II	Yes	1,2-Dichloroethane	CCAL %D	29.6%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Butanone	ICAL RRF	0.034	>0.05	ND(0.010) J	
						Acetone	ICAL RRF	0.036	>0.05	ND(0.010) J	
						Bromomethane	CCAL %D	38.8%	<25%	ND(0.0020) J	
						Dichlorodifluoromethane	CCAL %D	26.8%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	26.4%	<25%	ND(0.0050) J	
						Propionitrile	ICAL RRF	0.036	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	37.2%	<25%	ND(0.0020) J	
4I0P625	GMA4-5	9/28/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	30.4%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	33.6%	<25%	ND(0.010) J	
						Dichlorodifluoromethane	CCAL %D	26.8%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	32.0%	<25%	ND(0.0050) J	
						Iodomethane	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
4J0P040	78-1	9/30/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	32.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	33.6%	<25%	ND(0.010) J	
						Dichlorodifluoromethane	CCAL %D	36.8%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
4J0P040	78-6	10/1/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	30.4%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Dichlorodifluoromethane	CCAL %D	28.4%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	28.0%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
4J0P040	H78B-13R	10/1/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	32.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	33.6%	<25%	ND(0.010) J	
						Dichlorodifluoromethane	CCAL %D	36.8%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
4J0P040	OPCA-MW-1	10/1/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	30.4%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Dichlorodifluoromethane	CCAL %D	28.4%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	28.0%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
4J0P040	TRIP BLANK	10/1/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	32.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	33.6%	<25%	ND(0.010) J	
						Dichlorodifluoromethane	CCAL %D	0.368	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
4J0P065	OPCA-MW-5R	10/4/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	31.2%	<25%	ND(0.0050) J	
						1,2-Dibromo-3-chloropropane	CCAL %D	38.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	31.2%	<25%	ND(0.010) J	
						2-Butanone	CCAL RRF	0.047	>0.05	ND(0.010) J	
						2-Hexanone	CCAL %D	31.6%	<25%	ND(0.010) J	
						4-Methyl-2-pentanone	CCAL %D	33.6%	<25%	ND(0.010) J	
						Acetonitrile	CCAL %D	36.0%	<25%	ND(0.10) J	
						Carbon Disulfide	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Carbon Tetrachloride	CCAL %D	26.4%	<25%	ND(0.0050) J	
						Chloromethane	CCAL %D	39.6%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	30.0%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Iodomethane	CCAL %D	29.2%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	63.6%	<25%	ND(0.0020) J	
4J0P065	OPCA-MW-6	10/4/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	31.2%	<25%	ND(0.0050) J	

TABLE E - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
4J0P065	OPCA-MW-6	10/4/2004	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	CCAL %D	38.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	31.2%	<25%	ND(0.010) J	
						2-Butanone	CCAL RRF	0.047	>0.05	ND(0.010) J	
						2-Hexanone	CCAL %D	31.6%	<25%	ND(0.010) J	
						4-Methyl-2-pentanone	CCAL %D	33.6%	<25%	ND(0.010) J	
						Acetonitrile	CCAL %D	36.0%	<25%	ND(0.10) J	
						Carbon Disulfide	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Carbon Tetrachloride	CCAL %D	26.4%	<25%	ND(0.0050) J	
						Chloromethane	CCAL %D	39.6%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	30.0%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Iodomethane	CCAL %D	29.2%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	63.6%	<25%	ND(0.0020) J	
4J0P065	OPCA-MW-7	10/4/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	31.2%	<25%	ND(0.0050) J	
						1,2-Dibromo-3-chloropropane	CCAL %D	38.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	31.2%	<25%	ND(0.010) J	
						2-Butanone	CCAL RRF	0.047	>0.05	ND(0.010) J	
						2-Hexanone	CCAL %D	31.6%	<25%	ND(0.010) J	
						4-Methyl-2-pentanone	CCAL %D	33.6%	<25%	ND(0.010) J	
						Acetonitrile	CCAL %D	36.0%	<25%	ND(0.10) J	
						Carbon Disulfide	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Carbon Tetrachloride	CCAL %D	26.4%	<25%	ND(0.0050) J	
						Chloromethane	CCAL %D	39.6%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	30.0%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Iodomethane	CCAL %D	29.2%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	63.6%	<25%	ND(0.0020) J	
4J0P065	TRIP BLANK	10/4/2004	Water	Tier II	Yes	1,1,2,2-Tetrachloroethane	CCAL %D	31.2%	<25%	ND(0.0050) J	
						1,2-Dibromo-3-chloropropane	CCAL %D	38.0%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.010	>0.05	ND(0.20) J	
						2-Butanone	CCAL %D	31.2%	<25%	ND(0.010) J	
						2-Butanone	CCAL RRF	0.047	>0.05	ND(0.010) J	
						2-Hexanone	CCAL %D	31.6%	<25%	ND(0.010) J	
						4-Methyl-2-pentanone	CCAL %D	33.6%	<25%	ND(0.010) J	
						Acetonitrile	CCAL %D	36.0%	<25%	ND(0.10) J	
						Carbon Disulfide	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Carbon Tetrachloride	CCAL %D	26.4%	<25%	ND(0.0050) J	
						Chloromethane	CCAL %D	39.6%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	30.0%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	27.6%	<25%	ND(0.0050) J	
						Iodomethane	CCAL %D	29.2%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.016	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.012	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	63.6%	<25%	ND(0.0020) J	
4J0P097	H78B-15	10/4/2004	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.009	>0.05	ND(0.20) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.010) J	
						Acetone	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Acetonitrile	ICAL RRF	0.044	>0.05	ND(0.10) J	
						Isobutanol	CCAL RRF	0.009	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	36.8%	<25%	ND(0.0020) J	
4J0P097	OPCA-MW-4	10/4/2004	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.009	>0.05	ND(0.20) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.010) J	
						Acetone	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Acetonitrile	ICAL RRF	0.044	>0.05	ND(0.10) J	
						Isobutanol	CCAL RRF	0.009	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	36.8%	<25%	ND(0.0020) J	
4J0P097	OPCA-MW-8	10/5/2004	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.009	>0.05	ND(0.20) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.010) J	
						Acetone	ICAL RRF	0.048	>0.05	ND(0.010) J	

TABLE E - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued)											
4J0P097	OPCA-MW-8	10/5/2004	Water	Tier II	Yes	Acetonitrile	ICAL RRF	0.044	>0.05	ND(0.10) J	
						Isobutanol	CCAL RRF	0.009	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	36.8%	<25%	ND(0.0020) J	
4J0P097	TRIP BLANK	10/5/2004	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.009	>0.05	ND(0.20) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.010) J	
						Acetone	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Acetonitrile	ICAL RRF	0.044	>0.05	ND(0.10) J	
						Isobutanol	CCAL %D	41.2%	<25%	ND(0.10) J	
						Isobutanol	CCAL RRF	0.012	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	43.6%	<25%	ND(0.0020) J	
						Vinyl Acetate	CCAL %D	45.6%	<25%	ND(0.0050) J	
4J0P143	OPCA-MW-2	10/5/2004	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.009	>0.05	ND(0.20) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.010) J	
						2-Butanone	CCAL %D	29.6%	<25%	ND(0.010) J	
						Acetone	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Acetonitrile	ICAL RRF	0.044	>0.05	ND(0.10) J	
						Isobutanol	CCAL RRF	0.009	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	42.4%	<25%	ND(0.0020) J	
4J0P143	OPCA-MW-3	10/6/2004	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.009	>0.05	ND(0.20) J	
						2-Butanone	ICAL RRF	0.028	>0.05	ND(0.010) J	
						2-Butanone	CCAL %D	29.6%	<25%	ND(0.010) J	
						Acetone	ICAL RRF	0.048	>0.05	ND(0.010) J	
						Acetonitrile	ICAL RRF	0.044	>0.05	ND(0.10) J	
						Isobutanol	CCAL RRF	0.009	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.010) J	
						Tetrachloroethene	CCAL %D	42.4%	<25%	ND(0.0020) J	
4L0P011	GMA4-5	11/30/2004	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.013	>0.05	ND(0.20) J	
						2-Hexanone	CCAL %D	25.2%	<25%	ND(0.010) J	
						Acetone	CCAL %D	38.4%	<25%	ND(0.010) J	
						Acetonitrile	ICAL RRF	0.036	>0.05	ND(0.10) J	
						Chloromethane	CCAL %D	28.0%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	37.2%	<25%	ND(0.0050) J	
						Isobutanol	ICAL RRF	0.014	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.031	>0.05	ND(0.010) J	
SVOCs											
4G0P279	GMA4-5	7/13/2004	Water	Tier II	Yes	1,3-Dinitrobenzene	CCAL %D	38.8%	<25%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	36.1%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	CCAL %D	35.3%	<25%	ND(0.010) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	32.1%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	33.2%	<25%	ND(0.010) J	
						Safrole	CCAL %D	89.5%	<25%	ND(0.010) J	
						Thionazin	CCAL %D	27.7%	<25%	ND(0.010) J	
4I0P625	GMA4-5	9/28/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.045	>0.05	ND(0.010) J	
						2,6-Dinitrotoluene	CCAL %D	29.1%	<25%	ND(0.010) J	
						3-Nitroaniline	CCAL %D	28.1%	<25%	ND(0.050) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	31.6%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	26.0%	<25%	ND(0.010) J	
						Benzyl Alcohol	CCAL %D	36.8%	<25%	ND(0.020) J	
						Methyl Methanesulfonate	CCAL %D	36.7%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	49.3%	<25%	ND(0.010) J	
4J0P040	78-1	9/30/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.038	>0.05	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	39.0%	<25%	ND(0.010) J	
						3,3'-Dichlorobenzidine	CCAL %D	34.4%	<25%	ND(0.020) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.6%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	29.1%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	32.6%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	33.8%	<25%	ND(0.010) J	
						Safrole	CCAL %D	86.9%	<25%	ND(0.010) J	

TABLE E - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
4J0P040	78-6	10/1/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.038	>0.05	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	39.0%	<25%	ND(0.010) J	
						3,3'-Dichlorobenzidine	CCAL %D	34.4%	<25%	ND(0.020) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.6%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	29.1%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	32.6%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	33.8%	<25%	ND(0.010) J	
						Safrole	CCAL %D	86.9%	<25%	ND(0.010) J	
4J0P040	H78B-13R	10/1/2004	Water	Tier II	Yes	1,2,4-Trichlorobenzene	MS %R	30.2%	39% to 98%	ND(0.010) J	
						1,2,4-Trichlorobenzene	MS/MSD RPD	60.4%	<28%	ND(0.010) J	
						1,3,5-Trinitrobenzene	CCAL RRF	0.038	>0.05	ND(0.010) J	
						1,4-Dichlorobenzene	MS %R	31.3%	36% to 97%	ND(0.010) J	
						1,4-Dichlorobenzene	MS/MSD RPD	64.2%	<28%	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	39.0%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2,4,5-Trichlorophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2,4,6-Trichlorophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2,4-Dichlorophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2,4-Dimethylphenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2,4-Dinitrophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2,4-Dinitrotoluene	MS %R	18.6%	24% to 96%	ND(0.010) J	
						2,4-Dinitrotoluene	MS/MSD RPD	87.6%	<38%	ND(0.010) J	
						2,6-Dichlorophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2-Chlorophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2-Methylphenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						2-Nitrophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						3&4-Methylphenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						3,3'-Dichlorobenzidine	CCAL %D	34.4%	<25%	ND(0.020) J	
						4,6-Dinitro-2-methylphenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						4-Chloro-3-Methylphenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						4-Nitrophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						Acenaphthene	MS %R	35.0%	46% to 118%	ND(0.010) J	
						Acenaphthene	MS/MSD RPD	57.6%	<31%	ND(0.010) J	
						Benzidine	CCAL %D	25.6%	<25%	ND(0.020) J	
						Benzyl Alcohol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						bis(2-Chloroisopropyl)ether	CCAL %D	29.1%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	32.6%	<25%	ND(0.010) J	
						N-Nitroso-di-n-propylamine	MS/MSD %R	17.7%, 40.9%	41% to 116%, 41% to 116%	ND(0.010) J	
						N-Nitroso-di-n-propylamine	MS/MSD RPD	79.0%	<38%	ND(0.010) J	
						Pentachlorophenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						Phenol	Surrogate Recovery Acid	7.1%, 6.3%	21% to 100%, 10% to 94%	R	
						Pronamide	CCAL %D	33.8%	<25%	ND(0.010) J	
						Pyrene	MS/MSD RPD	62.4%	<31%	ND(0.010) J	
						Safrole	CCAL %D	86.9%	<25%	ND(0.010) J	
4J0P040	OPCA-MW-1	10/1/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.038	>0.05	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	39.0%	<25%	ND(0.010) J	
						3,3'-Dichlorobenzidine	CCAL %D	34.4%	<25%	ND(0.020) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						Benzidine	CCAL %D	25.6%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	29.1%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	32.6%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	33.8%	<25%	ND(0.010) J	
						Safrole	CCAL %D	86.9%	<25%	ND(0.010) J	
4J0P065	OPCA-MW-5R	10/4/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.044	>0.05	ND(0.010) J	Used original analysis
						1,4-Naphthoquinone	CCAL %D	40.6%	<25%	ND(0.010) J	
						2,3,4,6-Tetrachlorophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						2,4,5-Trichlorophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						2,4,6-Trichlorophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						2,4-Dichlorophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						2,4-Dimethylphenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						2,4-Dinitrophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						2,6-Dichlorophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						2-Chlorophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	

TABLE E - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
4J0P065	OPCA-MW-5R	10/4/2004	Water	Tier II	Yes	2-Methylphenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						2-Nitrophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						3&4-Methylphenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						4,6-Dinitro-2-methylphenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						4-Chloro-3-Methylphenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						4-Nitrophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	83.4%	<25%	ND(0.010) J	
						Aramite	CCAL %D	30.4%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	87.1%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.042	>0.05	ND(0.020) J	
						Benzo(b)fluoranthene	CCAL %D	42.5%	<25%	ND(0.010) J	
						Benzyl Alcohol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						bis(2-Chloroisopropyl)ether	CCAL %D	27.4%	<25%	ND(0.010) J	
						Dibenzo(a,h)anthracene	CCAL %D	43.6%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	43.2%	<25%	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	CCAL %D	40.4%	<25%	ND(0.010) J	
						Isosafrole	CCAL %D	42.9%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	49.7%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	33.5%	<25%	ND(0.010) J	
						Pentachlorophenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						Phenol	Surrogate Recovery Acid	7.1%, 6.3%, 11.1%	21% to 100%, 10% to 94%, 33% to 141%	R	
						Pronamide	CCAL %D	43.3%	<25%	ND(0.010) J	
						Safrole	CCAL %D	85.6%	<25%	ND(0.010) J	
4J0P065	OPCA-MW-6	10/4/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.038	>0.05	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	41.1%	<25%	ND(0.010) J	
						1-Naphthylamine	CCAL %D	25.4%	<25%	ND(0.010) J	
						2,4-Dinitrophenol	CCAL %D	81.7%	<25%	ND(0.050) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitrophenol	CCAL %D	76.0%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	85.7%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	27.4%	<25%	ND(0.010) J	
						Aniline	CCAL %D	36.2%	<25%	ND(0.010) J	
						Aramite	CCAL %D	28.1%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	87.3%	<25%	ND(0.020) J	
						Benzo(a)pyrene	CCAL %D	40.5%	<25%	ND(0.010) J	
						Benzo(b)fluoranthene	CCAL %D	43.5%	<25%	ND(0.010) J	
						Benzo(g,h,i)perylene	CCAL %D	37.6%	<25%	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	26.1%	<25%	ND(0.010) J	
						Dibenzo(a,h)anthracene	CCAL %D	44.6%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	37.3%	<25%	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	CCAL %D	44.2%	<25%	ND(0.010) J	
						Isosafrole	CCAL %D	44.8%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	33.5%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	32.6%	<25%	ND(0.010) J	
						N-Nitroso-di-n-butylamine	CCAL %D	100.0%	<25%	ND(0.010) J	
						N-Nitrosopiperidine	CCAL %D	100.0%	<25%	ND(0.010) J	
						p-Dimethylaminoazobenzene	CCAL %D	25.6%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	40.3%	<25%	ND(0.010) J	
						Safrole	CCAL %D	84.5%	<25%	ND(0.010) J	
4J0P065	OPCA-MW-7	10/4/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.038	>0.05	ND(0.010) J	
						1,4-Naphthoquinone	CCAL %D	41.1%	<25%	ND(0.010) J	
						1-Naphthylamine	CCAL %D	25.4%	<25%	ND(0.010) J	
						2,4-Dinitrophenol	CCAL %D	81.7%	<25%	ND(0.050) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitrophenol	CCAL %D	76.0%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	85.7%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	27.4%	<25%	ND(0.010) J	
						Aniline	CCAL %D	36.2%	<25%	ND(0.010) J	
						Aramite	CCAL %D	28.1%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	87.3%	<25%	ND(0.020) J	
						Benzo(a)pyrene	CCAL %D	40.5%	<25%	ND(0.010) J	
						Benzo(b)fluoranthene	CCAL %D	43.5%	<25%	ND(0.010) J	
						Benzo(g,h,i)perylene	CCAL %D	37.6%	<25%	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	26.1%	<25%	ND(0.010) J	

TABLE E - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
4J0P065	OPCA-MW-7	10/4/2004	Water	Tier II	Yes	Dibenzo(a,h)anthracene	CCAL %D	44.6%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	37.3%	<25%	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	CCAL %D	44.2%	<25%	ND(0.010) J	
						Isosafrole	CCAL %D	44.8%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	33.5%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	32.6%	<25%	ND(0.010) J	
						N-Nitroso-di-n-butylamine	CCAL %D	100.0%	<25%	ND(0.010) J	
						N-Nitrosopiperidine	CCAL %D	100.0%	<25%	ND(0.010) J	
						p-Dimethylaminoazobenzene	CCAL %D	25.6%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	40.3%	<25%	ND(0.010) J	
						Safrole	CCAL %D	84.5%	<25%	ND(0.010) J	
4J0P097	H78B-15	10/4/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.044	>0.05	ND(0.010) J	Used reanalysis
						1,4-Naphthoquinone	CCAL %D	40.6%	<25%	ND(0.010) J	
						2,4-Dinitrophenol	CCAL %D	81.5%	<25%	ND(0.050) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitrophenol	CCAL %D	74.7%	<25%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						4-Nitroquinoline-1-oxide	CCAL %D	83.4%	<25%	ND(0.010) J	
						Aramite	CCAL %D	30.4%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	87.1%	<25%	ND(0.020) J	
						Benzidine	CCAL RRF	0.042	>0.05	ND(0.020) J	
						Benzo(b)fluoranthene	CCAL %D	42.5%	<25%	ND(0.010) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	27.4%	<25%	ND(0.010) J	
						Dibenzo(a,h)anthracene	CCAL %D	43.6%	<25%	ND(0.010) J	
						Hexachlorocyclopentadiene	CCAL %D	43.2%	<25%	ND(0.010) J	
						Indeno(1,2,3-cd)pyrene	CCAL %D	40.4%	<25%	ND(0.010) J	
						Isosafrole	CCAL %D	42.9%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	31.8%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	33.5%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	43.3%	<25%	ND(0.010) J	
						Safrole	CCAL %D	85.6%	<25%	ND(0.010) J	
4J0P097	OPCA-MW-4	10/4/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.037	>0.05	ND(0.010) J	
						3,3'-Dichlorobenzidine	CCAL %D	29.6%	<25%	ND(0.020) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	32.4%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	28.0%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	30.8%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	34.8%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	27.5%	<25%	ND(0.010) J	
						p-Dimethylaminoazobenzene	CCAL %D	100.0%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	30.4%	<25%	ND(0.010) J	
						Safrole	CCAL %D	84.4%	<25%	ND(0.010) J	
4J0P097	OPCA-MW-8	10/5/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.037	>0.05	ND(0.010) J	
						3,3'-Dichlorobenzidine	CCAL %D	29.6%	<25%	ND(0.020) J	
						4-Nitrophenol	ICAL %RSD	37.0%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	32.4%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	28.0%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	30.8%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	34.8%	<25%	ND(0.010) J	
						o-Toluidine	CCAL %D	27.5%	<25%	ND(0.010) J	
						p-Dimethylaminoazobenzene	CCAL %D	100.0%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	30.4%	<25%	ND(0.010) J	
						Safrole	CCAL %D	84.4%	<25%	ND(0.010) J	
4J0P143	OPCA-MW-2	10/5/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.044	>0.05	ND(0.010) J	Used reanalysis
						4-Nitrophenol	ICAL %RSD	34.4%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	
						Aramite	CCAL %D	30.4%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	36.9%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	27.4%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	31.8%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	33.5%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	43.3%	<25%	ND(0.010) J	
4J0P143	OPCA-MW-3	10/6/2004	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL RRF	0.044	>0.05	ND(0.010) J	Used reanalysis
						4-Nitrophenol	ICAL %RSD	34.4%	<30%	ND(0.050) J	
						4-Nitroquinoline-1-oxide	ICAL RRF	0.034	>0.05	ND(0.010) J	

TABLE E - 1
ANALYTICAL DATA VALIDATION SUMMARY
GROUNDWATER MANAGEMENT AREA 4

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued)											
4J0P143	OPCA-MW-3	10/6/2004	Water	Tier II	Yes	Aramite	CCAL %D	30.4%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	36.9%	<25%	ND(0.020) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	27.4%	<25%	ND(0.010) J	
						Methapyrilene	CCAL %D	31.8%	<25%	ND(0.010) J	
						Methyl Methanesulfonate	CCAL %D	33.5%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	43.3%	<25%	ND(0.010) J	
4L0P011	GMA4-5	11/30/2004	Water	Tier II	Yes	2-Nitroaniline	CCAL %D	26.9%	<25%	ND(0.050) J	
						4,6-Dinitro-2-methylphenol	ICAL RRF	0.005	>0.05	ND(0.050) J	
						4-Nitroquinoline-1-oxide	CCAL %D	28.8%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	33.8%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	35.4%	<25%	ND(0.020) J	
						Benzyl Alcohol	CCAL %D	63.8%	<25%	ND(0.020) J	
						Butylbenzylphthalate	CCAL %D	31.3%	<25%	ND(0.010) J	
						Hexachloropropene	CCAL %D	29.0%	<25%	ND(0.010) J	
						N-Nitrosopyrrolidine	CCAL %D	37.5%	<25%	ND(0.010) J	
						Pronamide	CCAL %D	31.2%	<25%	ND(0.010) J	
						Safrole	ICAL RRF	0.031	>0.05	ND(0.010) J	
PCDDs/PCDFs											
4J0P040	78-1	9/30/2004	Water	Tier II	No						
4J0P040	78-6	10/1/2004	Water	Tier II	No						
4J0P040	H78B-13R	10/1/2004	Water	Tier II	No						
4J0P040	OPCA-MW-1	10/1/2004	Water	Tier II	No						
4J0P065	OPCA-MW-5R	10/4/2004	Water	Tier II	No						
4J0P065	OPCA-MW-6	10/4/2004	Water	Tier II	No						
4J0P065	OPCA-MW-7	10/4/2004	Water	Tier II	No						
4J0P097	H78B-15	10/4/2004	Water	Tier II	No						
4J0P097	OPCA-MW-4	10/4/2004	Water	Tier II	No						
4J0P097	OPCA-MW-8	10/5/2004	Water	Tier II	No						
4J0P143	OPCA-MW-2	10/5/2004	Water	Tier II	No						
4J0P143	OPCA-MW-3	10/6/2004	Water	Tier II	No						
Cyanides/Sulfides											
4J0P040	78-1	9/30/2004	Water	Tier II	No						
4J0P040	78-6	10/1/2004	Water	Tier II	No						
4J0P040	H78B-13R (Filtered)	10/1/2004	Water	Tier II	No						
4J0P040	H78B-13R	10/1/2004	Water	Tier II	No						
4J0P040	OPCA-MW-1	10/1/2004	Water	Tier II	No						
4J0P065	OPCA-MW-5R	10/4/2004	Water	Tier II	No						
4J0P065	OPCA-MW-6	10/4/2004	Water	Tier II	No						
4J0P065	OPCA-MW-7	10/4/2004	Water	Tier II	No						
4J0P097	H78B-15	10/4/2004	Water	Tier II	No						
4J0P097	OPCA-MW-4	10/4/2004	Water	Tier II	No						
4J0P097	OPCA-MW-8	10/5/2004	Water	Tier II	No						
4J0P143	OPCA-MW-2	10/5/2004	Water	Tier II	No						
4J0P143	OPCA-MW-3	10/6/2004	Water	Tier II	No						