

Transmitted Via Overnight Courier

July 28, 2006

Ms. Sharon Haves U.S. Environmental Protection Agency EPA - New England One Congress Street, Suite 1100 Boston, Massachusetts 02114-2023

GE-Pittsfield/Housatonic River Site

Groundwater Management Area 1 (GECD310) Groundwater Quality Interim Report for Spring 2006

Dear Ms. Hayes:

In accordance with GE's approved Baseline Monitoring Program Proposal for Plant Site 1 Groundwater Management Area (September 2000) and Plant Site 1 Groundwater Management Area Baseline Groundwater Quality Interim Report for Spring 2003 (July 2003), enclosed is the Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2006. This report summarizes activities performed as part of the Plant Site 1 Groundwater Management Area (GMA 1) interim groundwater quality monitoring program during spring 2006, including the results of the latest groundwater sampling and analysis round at GMA 1.

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

Sincerely,

Richard W. Gates

Remediation Project Manager

and W. Bates / Af for

Enclosure

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Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2006

General Electric Company Pittsfield, Massachusetts

July 2006



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1. Introduction

1.1 General

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

In September 2000, GE submitted a *Baseline Monitoring Program Proposal for Plant Site 1 Groundwater Management Area* (GMA 1 Baseline Monitoring Proposal). The GMA 1 Baseline Monitoring Proposal summarized the hydrogeologic information available at that time for GMA 1 and proposed groundwater and NAPL monitoring activities (incorporating as appropriate those activities that were in place at that time) for the baseline monitoring period at this GMA. EPA provided conditional approval of the GMA 1 Baseline Monitoring Proposal by letter of March 20, 2001. Thereafter, certain modifications were made to the GMA 1 baseline monitoring program as a result of EPA approval conditions and/or findings during field reconnaissance of the selected monitoring locations and, subsequently, during implementation of the baseline monitoring program.

The baseline monitoring program, which was initiated in fall 2001, consisted of four semi-annual groundwater quality sampling events followed by preparation and submittal of reports summarizing the groundwater monitoring results and, as appropriate, proposal of modifications to the monitoring program. The fourth baseline monitoring report for GMA 1, entitled *Plant Site 1 Groundwater Management Area Baseline Groundwater Quality Interim Report for Spring 2003* (Spring 2003 GMA 1 Groundwater Quality Report), was

submitted to EPA on July 30, 2003. Section 6.1.3 of Attachment H to the SOW provides that if the two-year "baseline" period ends prior to the completion of soil-related response actions at all the RAAs in a GMA, GE may make a proposal to EPA to modify and/or extend the Baseline Monitoring Program based on the results of the initial assessment and the estimated timing of future response actions at the RAAs in the GMA. The approved GMA 1 Baseline Monitoring Proposal also allows GE to propose a modification and/or extension of the baseline monitoring program based on the results of the initial assessment and the estimated timing of future response actions. Therefore, the Spring 2003 GMA 1 Groundwater Quality Report contained a proposal to modify and extend baseline groundwater quality monitoring activities at GMA 1 (under a program referred to as the interim monitoring program) until such time as the soil-related Removal Actions at the GMA 1 RAAs are completed and the specific components of a long-term groundwater quality monitoring program are determined. EPA conditionally approved the Spring 2003 GMA 1 Groundwater Quality Report by letter dated September 23, 2003. Under the approved interim monitoring program, annual water quality sampling (alternating between the spring and fall seasons) at selected GMA 1 wells began in spring 2004, following a limited sampling event in fall 2003 involving the collection of groundwater samples from six wells that did not yet have four complete rounds of sampling as part of the baseline monitoring program.

As part of the interim groundwater quality monitoring program, GE is required to submit reports after each groundwater sampling event to summarize the groundwater monitoring results and related activities and, as appropriate, propose modifications to the monitoring program. The results of the previous round of interim groundwater sampling activities, performed at this GMA in fall 2005, were provided in GE's January 2006 *Plant Site 1 Groundwater Management Area Groundwater Quality Interim Report for Fall 2005* (Fall 2005 GMA 1 Groundwater Quality Report), which was conditionally approved by EPA in a letter dated May 10, 2006.

The results of the most recent round of interim groundwater sampling activities conducted in spring 2006 are provided in this *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Spring 2006* (Spring 2006 GMA 1 Groundwater Quality Report). It should be noted that this report is intended to provide groundwater quality information for GMA 1. The results of GE's groundwater flow monitoring, as well as assessments of the presence and extent of NAPL at GMA 1 (including summaries of GE's NAPL recovery efforts), are presented in separate semi-annual reports submitted under GE's NAPL monitoring program. The most recent GMA 1 NAPL monitoring report (covering the fall 2005 monitoring period) was submitted to EPA on February 27, 2006 and the NAPL monitoring report for the spring 2006 monitoring period will be submitted to EPA by August 31, 2006.

1.2 Background Information

As discussed above, the CD and SOW provide for the performance of groundwater-related monitoring and NAPL removal activities at a number of GMAs. Some of these GMAs, including GMA 1, incorporate multiple RAAs to reflect the fact that groundwater may flow between RAAs. GMA 1 encompasses 11 RAAs and occupies an area of approximately 215 acres (Figures 1 and 2). The RAAs within GMA 1 are:

- RAA 1 40s Complex;
- RAA 2 30s Complex;
- RAA 3 20s Complex;
- RAA 4 East Street Area 2-South;
- RAA 5 East Street Area 2-North;
- RAA 6 East Street Area 1-North;
- RAA 12 Lyman Street Area;
- RAA 13 Newell Street Area II;
- RAA 14 Newell Street Area I;
- RAA 17 Silver Lake Area; and
- RAA 18 East Street Area 1-South.

GMA-1 contains a combination of GE-owned and non-GE-owned industrial areas, residential properties, and recreational areas, including land formerly owned by GE that has been, or will be, transferred to the Pittsfield Economic Development Authority (PEDA) pursuant to the Definitive Economic Development Agreement (DEDA). The Housatonic River flows through the southern portion of this GMA, while Silver Lake is located along the western boundary. Certain portions of this GMA originally consisted of land associated with oxbows or low-lying areas of the Housatonic River. Re-channelization and straightening of the Housatonic River in the early 1940s by the City of Pittsfield and the United States Army Corps of Engineers (USACE) separated several of these oxbows and low-lying areas from the active course of the river. These oxbows and low-lying areas were subsequently filled with various materials from a variety of sources, resulting in the current surface elevations and topography.

Groundwater flow patterns at GMA 1 generally reflect the topography of the site with flow toward the Housatonic River, except where influenced by features such as Silver Lake, the recharge pond, or by recovery systems which are pumped to induce hydraulic depressions in their vicinity. Although variations occur in

groundwater elevations at various wells or portions of GMA 1, overall groundwater flow patterns have remained relatively stable for years. Groundwater flow conditions observed during spring 2006 display the typical patterns observed at GMA 1, and will be discussed in further detail in GE's upcoming *Plant Site 1 Groundwater Management Area NAPL Monitoring Report for Spring 2006*.

As discussed in Section 1.1 above, the CD and the SOW provide for the performance of groundwater-related Removal Actions at the GMAs, including the implementation of groundwater monitoring, assessment, and recovery programs. In general, these programs consist of a baseline monitoring program conducted over a period of at least two years to establish existing groundwater conditions and a long-term monitoring program performed to assess groundwater conditions over time and to verify the attainment of the Performance Standards for groundwater. As set forth in the GMA 1 Baseline Monitoring Proposal and Addendum, the baseline monitoring program at this GMA initially involved a total of 65 monitoring wells. Subsequent modifications to the program resulted in the addition of one well (LSSC-08I) and replacement of five wells with substitute monitoring wells (ESA2S-52 for ES2-17, MW-3R for MW-3, GMA1-13 for 95-9, ESA1S-33 for ES1-8, and ES1-23R for ES1-23). All of these wells were monitored for groundwater elevations on a quarterly basis and sampled on a semi-annual basis for analysis of PCBs and/or certain other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenyhydrazine (Appendix IX+3). The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well.

After the fourth baseline sampling event at most of the wells in GMA 1 in spring 2003, EPA approved the implementation of the interim monitoring program until the completion of the soil-related Removal Actions at the GMA 1 RAAs, at which time a long-term monitoring program will commence. In the Spring 2003 GMA 1 Groundwater Quality Report, GE described its proposed interim groundwater quality monitoring program. Certain specific monitoring tasks were to be performed in fall 2003, and GE submitted its Fall 2003 GMA 1 Groundwater Quality Report providing the results of those tasks. Beginning in spring 2004, as approved by EPA, the interim groundwater quality monitoring program was to consist of annual sampling (alternating between the spring and fall seasons) and analysis for select constituents at 22 GMA 1 wells. Locations selected for interim groundwater quality monitoring were wells downgradient of known NAPL areas/recovery systems where no additional hydraulic controls are in place, and/or those where analytical results from the baseline monitoring rounds did not conclusively indicate whether long-term monitoring would be necessary. In addition, one well was replaced based on technical discussion between EPA and GE, and GE was to continue its efforts to

complete baseline sampling and analyses at two GMA 1 baseline monitoring wells (GMA1-2 and GMA1-4) where four baseline sampling rounds had yet to be completed.

Based on the spring 2004 groundwater sampling event, GE discussed certain modifications to the interim program with EPA during a technical meeting on May 21, 2004, and submitted a letter to EPA on June 15, 2004 documenting the modifications to the interim groundwater monitoring program that EPA and GE had agreed would be implemented in the future. As a result, in fall 2004, GE conducted a limited sampling event at replacement locations for the wells that could not be sampled in spring 2004, in addition to certain wells that were previously scheduled for semi-annual sampling. On January 28, 2005, GE submitted its Fall 2004 GMA 1 Groundwater Quality Report, providing the results of those tasks. In that document, GE proposed to remove wells GMA1-2 and GMA1-4 from the monitoring program. In addition, the sampling frequency for monitoring well MW-4R was proposed to be modified from semi-annual to annual monitoring and a reduced analytical parameter list was proposed for this location. Those proposals were approved by EPA in a letter dated May 31, 2005, and, in fall 2005, GE conducted the approved interim groundwater sampling activities for GMA 1.

In fall 2005, as approved by EPA, GE evaluated the presence of cyanide by submitting each sample for two separate analyses: (1) the standard method that has been utilized in the program (i.e., EPA Method 9014); and (2) the modified analytical method finalized by MDEP to determine the concentrations of physiologically available cyanide (PAC). The PAC protocols are contained in an August 13, 2004 MDEP document entitled *Quality Assurance and Quality Control Requirements and Performance Standards for SWC-846 Method 9014, Total Cyanide and the MADEP Physiologically Available Cyanide (PAC) Protocol for the Massachusetts Contingency Plan (MCP)*. Based on the results from that sampling event, GE proposed to implement the PAC Protocol for all future cyanide analyses at GMA 1. Additionally, to further asses the presence of PAC at GMA 1, GE proposed to sample wells E2SC-24 and ESA2S-64 during spring 2006 and analyze those samples for cyanide utilizing MDEP's PAC protocols. EPA approved the modifications to the interim sampling program as part of its conditional approval of the Fall 2005 GMA 1 Groundwater Quality Report. The results of the additional sampling are presented in Section 3.2.4.

A separate non-GE-related disposal site, as designated under the MCP, is located on an adjacent property near the northern edge of the Lyman Street Area. This disposal site is the O'Connell Mobil Station site (MDEP Site No. 1-13347) (also referred to as the "East Street Mobil Site") at 730 East Street. GE understands this site is currently being addressed by O'Connell Oil Associates, Inc. to satisfy the requirements of Massachusetts General Laws Chapter 21E and the MCP. Available documentation indicates that soluble-phase contaminants

related to gasoline releases from the East Street Mobil Site may have migrated onto GMA 1. GE is required to include available monitoring results from response actions performed at this adjacent site in the groundwater monitoring reports for GMA 1, to the extent that information is available to GE. To fulfill this requirement, GE conducted a file search at MDEP in June 2006 to review any reports that have been submitted regarding this site since submittal of the Fall 2005 GMA 1 Groundwater Quality Report. The most recent report on file is a March 2004 report entitled *Phase IV Remedy Implementation Plan; 730 East Street; Pittsfield, MA; RTN# 1-13347* (Phase IV RIP), prepared by ECS Marin on behalf of O'Connell Oil Associates, Inc. GE has previously discussed that report in the Spring 2004 GMA 1 Groundwater Quality Report.

1.3 Format to Document

The remainder of this report is presented in four sections. Section 2 describes the groundwater quality-related activities performed at GMA 1 in spring 2006. Section 3 presents the analytical results obtained during the spring 2006 sampling event performed between April 3, 2006 and April 14, 2006. Section 4 provides a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW, and provides an assessment of the results of the spring 2006 activities, including a comparison to those Performance Standards. Finally, Section 5 proposes modifications to the interim groundwater quality monitoring program, and presents the schedule for future field and reporting activities related to groundwater quality at GMA 1.

2. Field and Analytical Procedures

2.1 General

The activities conducted as part of the interim groundwater monitoring program, and summarized herein, primarily involved the collection and analysis of groundwater samples at select monitoring wells within GMA 1, as described in Table 1. The construction details of the wells are provided in Table 2 and the spring 2006 field sampling data are presented in Appendix B. This section discusses the field procedures used to collect groundwater samples and the methods used to analyze the samples. All activities were performed in general accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

2.2 Groundwater Sampling and Analysis

The spring 2006 groundwater sampling event was performed between April 3 and 14, 2006. Groundwater samples were collected from all 24 groundwater monitoring wells scheduled for interim sampling, including one well (ESA2S-64) added in spring 2006 for supplemental cyanide analysis. All of the groundwater samples were collected by the low-flow techniques as specified in the FSP/QAPP. 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. The sampling methods utilized at each well are specified in Appendix B. Each monitoring well was purged utilizing low-flow techniques until field parameters (including temperature, pH, specific conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) stabilized prior to sample collection. Field parameters were measured in combination with the sampling activities at the monitoring wells. The stabilized field parameter measurements are presented in Table 3 and the field sampling data are provided in Appendix B. A general summary of the field measurement results during the spring 2006 monitoring event is provided below:

PARAMETER	UNITS	RANGE
Turbidity	Nephelometric turbidity units (NTU)	0.0 - 49
рН	pH units	6.22 - 8.08
Specific Conductivity	Millisiemens per centimeter	0.36 - 16.58
Oxidation-Reduction Potential	Millivolts	-143.0 – 301.3
Dissolved Oxygen	Milligrams per liter	0.43 - 8.44
Temperature	Degrees Celsius	5.49 – 13.62

The collected groundwater samples were submitted to SGS Environmental Services, Inc. of Charleston, West Virginia for laboratory analysis. For the groundwater samples that were monitored for compliance with the GW-3 standards, the samples were submitted for analysis of some or all of the following constituents using the associated EPA methods:

CONSTITUENT	EPA METHOD
VOCs	8260B
Semi-Volatile Organic Compounds (SVOCs)	8260B (see below)
PCBs (Filtered Samples)	8082
Physiologically Available Cyanide (Filtered Samples)	9014/MDEP PAC Protocol

For the groundwater samples collected from wells that were monitored solely for compliance with the GW-2 standards, the samples were submitted for analysis of the VOCs listed in GE's FSP/QAPP, as well as five compounds listed as SVOCs in the FSP/QAPP (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene). The VOCs and five SVOCs were analyzed using EPA Method 8260B in accordance with a letter from GE to EPA dated September 28, 2001.

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. As discussed below in Section 4.2, this comparison used the revised MCP numerical standards issued on January 9, 2006, effective as of April 3, 2006, for those constituents for which revised standards were issued. The preliminary analytical results were presented in the next monthly report on overall activities at the GE-Pittsfield/Housatonic River Site. Finally, the data were validated in accordance with the FSP/QAPP and the validated results were utilized in the preparation of this report. The data validation report is provided in Appendix D. As discussed in the data validation report, 100% of the spring 2006 groundwater quality data are considered to be useable. The validated analytical results are summarized in Section 3 and discussed in Section 4 below.

3. Spring 2006 Analytical Results

3.1 General

A description of the spring 2006 groundwater analytical results is presented in this section. The complete analytical data sets are summarized in Appendix A. Tables 4 and 5 provide a comparison of the concentrations of all detected constituents with the currently applicable groundwater quality Performance Standards established in the CD and SOW, while Table 6 presents a comparison of the concentrations of detected constituents with the UCLs for groundwater. An assessment of these results relative to those groundwater quality Performance Standards and the UCLs is provided in Section 4.

3.2 Groundwater Sample Results

The following paragraphs provide an overview of the spring 2006 analytical results from the GMA 1 groundwater quality monitoring wells for each constituent group that was analyzed.

3.2.1 VOC Results

Six groundwater samples were analyzed for VOCs during the spring 2006 sampling event. The VOC analytical results are summarized in Table A-1 of Appendix A. No VOCs were detected in two of the groundwater samples (wells 72R and GMA1-6), while nine individual VOCs were observed in the remaining samples. Where detected, total VOC concentrations ranged from an estimated concentration of 0.0075 ppm (at well LSSC-16) to 0.57 ppm (at well N2SC-7S). Three VOCs (benzene, chlorobenzene, and vinyl chloride) were detected in more than one groundwater sample. All detected VOC constituents were well below the applicable Method 1 GW-2 and GW-3 standards.

3.2.2 SVOC Results

Three groundwater samples were analyzed for five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene) in conjunction with VOC analyses performed for three GW-2 wells, as discussed in Section 2.2. The SVOC analytical results are summarized in Table A-1 of Appendix A. No SVOCs were detected in the three GW-2 wells.

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3.2.3 PCB Results

Filtered groundwater samples from seventeen monitoring wells were analyzed for PCBs as part of the spring 2006 sampling event. The PCB analytical results are summarized in Table A-1 of Appendix A. PCBs (Aroclors 1248, 1254, and /or 1260) were detected in 13 of the wells analyzed for PCBs, excluding wells GMA1-6, LS-MW-4R, N2SC-7S, and RF-2, at which no PCBs were detected. Total detected PCB concentrations in the remaining filtered samples ranged from an estimated concentration of 0.000087 ppm (at well ESA1N-52) to 0.0062 ppm (at well LSSC-18). As discussed in Section 4.3.2 below, seven of the groundwater samples contained PCBs at concentrations above the applicable MCP Method 1 GW-3 standard of 0.0003 ppm during spring 2006, and the remaining six of the groundwater samples containing PCBs showed concentrations below the GW-3 standard. PCB concentrations in one well (LSSC-18, at 0.0062 ppm) also exceeded the MCP UCL of 0.005 ppm for PCBs in groundwater. As discussed below, an unfiltered sample from this well has exceeded the UCL in a previous sampling round.

3.2.4 Cyanide Results

As discussed above, GE evaluated the presence of cyanide by analyzing seven filtered samples using the modified analytical method finalized by MDEP to determine the concentrations of physiologically available cyanide (PAC). The analytical results for these samples are summarized in Table A-1 of Appendix A. Cyanide was not detected in three of the groundwater samples (RF-16, 72R, and E2SC-24). In the remaining four samples, estimated cyanide concentrations ranged from 0.0037 ppm (well ESA2S-64) to 0.006 ppm (well HR-G1-MW-3). All detected cyanide concentrations were well below the recently revised MCP Method 1 GW-3 standard of 0.030 ppm.

4. Assessment of Results

4.1 General

This report constitutes the fifth interim monitoring report and is the ninth groundwater quality monitoring report submitted since commencement of the GMA 1 baseline groundwater monitoring program. The information presented herein is based on the laboratory results obtained during the spring 2006 groundwater sampling event, supplemented with historical groundwater analytical data when applicable.

4.2 Groundwater Quality Performance Standards

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

- GW-2 groundwater is defined as groundwater that is a potential source of vapors to the indoor air of buildings. Groundwater is classified as GW-2 if it is located within 30 feet of an existing occupied building and has an average annual depth to groundwater of 15 feet or less. Under the MCP, volatile constituents present within GW-2 groundwater represent a potential source of organic vapors to the indoor air of the overlying occupied structures.
- GW-3 groundwater is defined as groundwater that discharges to surface water. By MCP definition, all groundwater at a site is classified as GW-3 since it is considered to be ultimately discharged to surface water. It should be noted that some groundwater within GMA 1 does not in fact discharge directly to surface water because of the operation of numerous groundwater pumping systems. Water extracted from these systems is transferred to an on-site treatment plant for processing prior to discharge. Nevertheless, in accordance with the CD and SOW, all groundwater at GMA 1 is considered as GW-3.

The CD and the SOW allow for the establishment of standards for GW-2 and GW-3 groundwater at the GMAs through use of one of three methods, as generally described in the MCP. The first, known as Method 1, consists of the application of pre-established numerical "Method 1" standards set forth in the MCP for both GW-2 and GW-3 groundwater (310 CMR 40.0974). These "default" standards have been developed to be conservative and will serve as the initial basis for evaluating groundwater at GMA 1. The current MCP Method 1 GW-2 and GW-3 standards for the constituents detected in the spring 2005 sampling event are listed in Tables 4 and 5, respectively. (In the event of any discrepancy between the standards listed in these tables and those published in the MCP, the latter will be controlling.) For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards. Of course, whichever method is used to establish such groundwater standards, GW-2 standards will be applied to GW-2 groundwater and GW-3 standards will be applied to GW-3 groundwater.

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

Based on consideration of the above points, the specific groundwater quality Performance Standards for GMA 1 consist of the following:

1. At monitoring wells designated as compliance points to assess GW-2 groundwater (i.e., groundwater located at an average depth of 15 feet or less from the ground surface and within 30 feet of an existing occupied building), groundwater quality shall achieve any of the following:

- (a) the Method 1 GW-2 groundwater standards set forth in the MCP (or, for constituents for which no such standards exist, Method 2 GW-2 standards once developed, unless GE provides and EPA approves a rationale for not developing such Method 2 standards);
- (b) alternative risk-based GW-2 standards developed by GE and approved by EPA as protective against unacceptable risks due to volatilization and transport of volatile chemicals from groundwater to the indoor air of nearby occupied buildings; or
- (c) a condition, based on a demonstration approved by EPA, in which constituents in the groundwater do not pose an unacceptable risk to occupants of nearby occupied buildings via volatilization and transport to the indoor air of such buildings.
- 2. Groundwater quality shall ultimately achieve the following standards at the perimeter monitoring wells designated as compliance points for GW-3 standards:
 - (a) the Method 1 GW-3 groundwater standards set forth in the MCP (or, for constituents for which no such standards exist, Method 2 GW-3 standards once developed, unless GE provides and EPA approves a rationale for not developing such Method 2 standards); or
 - (b) alternative risk-based GW-3 standards proposed by GE and approved by EPA as protective against unacceptable risks in surface water due to potential migration of constituents in groundwater.

These Performance Standards are to be applied to the results of the individual monitoring wells included in the monitoring program. Several monitoring wells have been designated as the compliance points for attainment of the Performance Standards identified above. These wells were initially identified in the GMA 1 Baseline Monitoring Proposal (although certain modifications were made subsequent to submittal of that proposal as a result of EPA approval conditions, findings during field reconnaissance of the selected wells, or replacement of certain wells during the course of the baseline monitoring program). As described above in Section 2.2, only selected wells were sampled in spring 2006.

4.3 Groundwater Quality – Spring 2006

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the spring 2006 groundwater sampling event were compared to the applicable groundwater Performance Standards for GMA 1. These Performance Standards are described in Section 4.2 above, and are currently based (on a well-specific basis) on the MCP Method 1 GW-2 and/or GW-3 standards. The following subsections discuss the spring 2006 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 4 and 5 provide a comparison of the concentrations of detected constituents with the currently applicable GW-2 and GW-3 standards, respectively, while Table 6 presents a comparison of the concentrations of detected constituents with the groundwater UCLs.

4.3.1 Spring 2006 Groundwater Results Relative to GW-2 Performance Standards

As part of the spring 2006 program, groundwater samples were collected from three wells designated as GW-2 monitoring locations that were scheduled to be sampled for the GW-2 VOC list (i.e., specifically wells 72R, GMA1-6, and LSSC-16S). Although wells ESA1N-52, 139R, and GMA1-18 are also designated as GW-2/GW-3 monitoring locations, these wells are only scheduled for sampling and analysis for PCBs (which does not currently have an associated GW-2 standard) under this interim monitoring program. Therefore, comparisons to the MCP Method 1 GW-2 standards were not performed for these wells.

The spring 2006 groundwater analytical results for all detected constituents subject to MCP Method 1 GW-2 standards and a comparison of those results with the applicable MCP Method 1 GW-2 Standards are presented in Table 4. As shown in Table 4, none of the spring 2006 sample concentrations from the GW-2 monitoring wells sampled for VOCs was above the corresponding GW-2 Performance Standard. In addition, none of the GW-2 wells sampled for VOCs exhibited total VOC concentrations above 5 ppm (the level specified in the SOW as a notification level for GW-2 wells located within 30 feet of a school or occupied residential structure and as a trigger level for the proposal of interim response actions). These results are consistent with the results from prior sampling events.

4.3.2 Spring 2006 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from each of the 23 wells designated for GW-3 monitoring that were scheduled to be sampled during the spring 2006 interim sampling event. The spring 2006 groundwater

analytical results for all constituents detected in GW-3 monitoring wells and a comparison of those results with the applicable MCP Method 1 GW-3 standards are presented in Table 5. Although that table provides a comparison of the spring 2006 analytical results from all 23 GW-3 monitoring wells that were sampled in spring 2006, only 15 of those wells (i.e., the downgradient GW-3 perimeter wells as identified in Table 1) have been designated as compliance points for the GW-3 standards.

The comparisons set forth in Table 5 show that no VOCs, SVOCs, or PAC were detected at concentrations above their respective MCP Method 1 GW-3 standards, while the filtered PCB sample results from seven GW-3 locations were above the MCP Method 1 GW-3 standard of 0.0003 ppm for PCBs. These seven samples were those collected from wells ES1-5, E2SC-23, E2SC-24, HR-G3-MW-1, LS-29, LSSC-8S, and LSSC-18. All of these locations except for well LS-29 are downgradient perimeter wells. Filtered PCB concentrations in excess of the MCP Method 1 GW-3 standard were previously detected in each of these wells, although the PCB concentrations in wells LSSC-8S and LSSC-18 were higher than the concentrations in filtered samples analyzed from those wells during prior sampling events. In addition, although filtered PCB concentrations above the GW-3 standard were detected in well 139R for the first time in fall 2005, the concentration in this well did not exceed the GW-3 standard in spring 2006. As discussed in Section 4.4 below, GE's proposed response to the current exceedances of the GW-3 standards is to continue the interim monitoring program at most of the wells and to perform a supplemental sampling round at wells LSSC-8S and LSSC-18 (where PCBs were detected at concentrations higher than previously detected at these wells).

4.3.3 Spring 2006 Comparison to Upper Concentration Limits

In addition to comparing the spring 2006 groundwater analytical results with applicable MCP Method 1 GW-2 and GW-3 standards, the analytical results from all 24 wells that were sampled were compared with the UCLs for groundwater specified in the MCP (310 CMR 40.0996(7)). As shown in Table 6, the only spring 2006 sample where constituent concentrations were detected above a UCL for groundwater was collected from well LSSC-18, where the filtered PCB concentration of 0.0062 ppm was slightly greater than the UCL for groundwater of 0.005 ppm. A PCB concentration in excess of the UCL for groundwater has previously been detected in an unfiltered sample from this location.

4.4 Overall Assessment of Groundwater Analytical Results

Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB and cyanide concentrations for all wells sampled in spring 2006 that have been previously sampled and analyzed for those constituents are presented in Appendix C. In addition, Appendix C contains graphs of historical concentrations of individual constituents that exceeded the applicable MCP Method 1 GW-3 standards or UCLs during any of the prior baseline monitoring program sampling events at GW-3 monitoring wells that were analyzed for those constituents in spring 2006. Because no exceedances of the MCP Method 1 GW-2 standards have been documented at the GW-2 monitoring wells during the baseline and interim monitoring programs, no graphs have been prepared for the GW-2 sampling data. A review of the graphs contained in Appendix C, as well as historical data from the GMA 1 wells, indicates that the concentrations of most constituents has decreased or remained relatively stable at low levels during the baseline monitoring period, with the exception of PCB concentrations in certain wells. Although the PCB data show no clear trend at most locations, a few wells have shown an increase in PCB concentrations during recent sampling events. In Section 5.2 below, GE proposes to continue to monitor most of these wells during the interim program to further evaluate these potential trends in the data.

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

For five of the seven wells where the Method 1 GW-3 standard for PCBs was exceeded (wells ES1-5, E2SC-23, E2SC-24, HR-G3-MW-1, and LS-29), prior PCB data from these wells have shown similar or greater concentrations than those detected during spring 2006. The filtered PCB results from wells LSSC-08S and LSSC-18 are higher than previous filtered PCB concentrations for these locations, although filtered samples above the Method 1 GW-3 standard have previously been collected from these wells. In addition, prior data from unfiltered samples analyzed from location LSSC-18 have shown PCB concentrations greater than the levels detected in the spring 2006 filtered sample (0.0062 ppm). Although the concentrations of PCBs at both

locations are less than 100 times the MCP Method 1 GW-3 standard, GE's proposed response to these detections is to conduct a supplemental round of sampling in fall 2006 (discussed in Section 5.2.2 below). Based on the results of that additional sampling, GE may propose to increase the sampling frequency at these two locations, return to the approved schedule for the interim groundwater sampling program, or make another proposal.

5. Monitoring Program Modification and Schedule of Future Activities

5.1 General

In spring 2004, GE initiated the interim groundwater monitoring program to be conducted until completion of the soil-related Removal Actions at the RAAs that comprise GMA 1. Aside from completing baseline sampling events at certain locations that could not be sampled during every round of the initial two-year baseline monitoring program (which was accomplished), the interim monitoring program is designed to obtain additional data from locations where it is not yet clear whether the initial baseline groundwater quality results indicate that the well may require future monitoring in a long-term monitoring program.

This section contains a description of GE's proposed modifications to the interim groundwater monitoring program. These proposed modifications are of two general types. First, in response to the recent revisions to the MCP Method 1 standards and UCLs for groundwater which became effective on April 3, 2006, GE has reevaluated the historical data from all baseline monitoring program wells and proposed modifications to the interim monitoring program to address changes in the numerical standards. Second, GE has proposed modifications based on the results of the spring 2006 groundwater sampling event. This section also addresses the schedule for future groundwater quality monitoring activities and reporting for GMA 1. Specifically, this section provides a schedule for a proposed fall 2006 supplemental sampling event, the upcoming fall 2007 interim monitoring event, and associated reporting activities. A summary of the proposed interim sampling program is provided in Table 7. Figure 3 illustrates the wells proposed for future interim monitoring activities.

5.2 Proposed Modifications to Interim Monitoring Program

As noted above, in response to the new Method 1 numerical standards promulgated by MDEP for certain constituents, GE re-evaluated the results from the baseline monitoring program to determine if the new Performance Standards would alter the wells and/or parameters included in the interim monitoring program. GE has also reviewed the groundwater analytical data from the spring 2006 interim sampling event for results that would indicate the need to modify the interim monitoring program. The results of that data assessment and resulting proposed program modifications are discussed in Section 5.2.1 below.

As discussed further below, GE proposes to conduct a supplemental sampling event in fall 2006 at two GMA 1 wells where constituent concentrations were significantly higher in spring 2006 than in recent sampling events. The proposed supplemental sampling event is described in Section 5.2.2 below.

5.2.1 Modifications to Annual Sampling Program

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

In light of the recent revisions to the MCP that became effective on April 3, 2006, GE has repeated this evaluation, comparing all baseline and interim groundwater quality data to the new MCP Method 1 Standards. Utilizing the same inclusion criteria utilized in spring 2003 at GMA 1 (and at the other GMAs once their two-year baseline monitoring periods expired), GE's assessment indicated that certain baseline wells that were previously excluded from the interim monitoring program based on historical concentrations of certain constituents such as chlorobenzene that were above the levels of the previously-effective MCP Method 1 standards are now either much closer to the MCP Method 1 standards such that interim monitoring is warranted to assess the need for inclusion of these locations in a long-term monitoring program, or sufficiently below the MCP Method 1 standards such that further monitoring is not necessary. GE's assessment also indicated that certain wells previously included in the interim monitoring program based on historical concentrations of certain constituents such as cyanide near the levels of the previously-effective MCP Method 1 standards are no longer of interest based on an increase in those standards. Accordingly, GE has identified several locations that should

be added to or removed from the interim monitoring program, based on those comparisons. Specifically, GE proposes to:

- Add wells 3-6C-EB-14, ES2-2A, ESA2S-64 to the interim monitoring program for VOC analysis. These additions are proposed due to the increase in the MCP Method 1 GW-3 groundwater standard for chlorobenzene from 0.50 ppm to 1.0 ppm. Interim sampling for chlorobenzene had not been implemented at these locations since baseline concentrations were consistently greater than the former GW-3 standard. Now that the standard has increased, it is no longer clear whether long-term monitoring will be necessary. In addition, total xylenes concentrations at well ESA2S-64 are slightly greater than 50% of the new MCP Method 1 GW-3 groundwater standard of 0.5 ppm, which was reduced from 50 ppm.
- Remove wells N2SC-07S, NS-17 from interim monitoring for VOCs. Following the increase in the MCP Method 1 GW-3 standard for chlorobenzene from 0.50 ppm to 1.0 ppm, the average chlorobenzene concentrations at these locations are well below the new standard. As such, additional monitoring for VOCs (which was previously performed to assess chlorobenzene) is no longer appropriate at these locations.
- Remove wells E2SC-24, ES2-2A, ESA2S-52, ESA2S-64, HR-G1-MW-3, and RF-16 from interim monitoring for cyanide. Following the increase in the MCP Method 1 GW-3 standard for cyanide from 0.010 ppm to 0.030 ppm, the average cyanide concentrations at these locations are well below the new standard. As such, additional monitoring for cyanide is no longer appropriate at these locations.
- Add metals analysis to the interim analyte list at well 72R, which is currently monitored for VOCs (plus five SVOCs), cyanide, and PCBs as a replacement for wells ES1-8 and ESA1S-33, to assess concentrations of certain metals detected at well ES1-8 such as cadmium and lead for which the MCP Method 1 GW-3 standards have been reduced (cadmium GW-3 standard was reduced from 0.01 ppm to 0.004 ppm and lead GW-3 standard was reduced from 0.03 ppm to 0.01 ppm), resulting in concentrations slightly below their respective MCP Method 1 GW-3 groundwater standards.

For PCBs, the Method 1 standards are unchanged from prior values, although MDEP states that the PCB standards will be subject to a further change following a future proposal by MDEP. As such, GE has continued to utilize the current MCP Method 1 standards for PCBs for its assessment of the spring 2006 data and also in its

re-assessment of all baseline and interim groundwater quality data collected to date. Based on those results, GE proposes the following modification to the interim monitoring program relative to PCBs:

Average filtered PCB concentrations are well below the MCP GW-3 standards at wells MW-4R and RF-2.
 As such, GE proposes to remove these wells from the interim monitoring program.

In addition, three GW-2 wells (LSSC-16S, 72R, and GMA1-6) were retained as part of the interim monitoring program for analysis of VOCs and five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene). No SVOCs have been detected at any of the three locations since the spring 2004 monitoring round. However, since these wells were included for interim sampling based on their location between known LNAPL areas and occupied buildings, GE will continue to monitor them for these select SVOCs (along with VOCs) as part of its GW-2 monitoring activities. Wells 72R (PCBs, metals, and cyanide) and GMA1-6 (PCBs) will also continue to be monitored as GW-3 Source Area Sentinel wells downgradient of known NAPL areas. Other locations where GE proposes to retain the current interim analyses include the following:

- Although VOC concentrations were well below their respective MCP GW-3 standards at wells MW-4R,
 GE proposes to retain this well in the interim monitoring program due to a slightly elevated VOC concentration during the spring 2006 sampling events.
- Although average filtered PCB concentrations were well below the MCP GW-3 standards at wells 139R, GMA1-13 and GMA1-18, GE proposes to retain these wells in the interim monitoring program to continue to evaluate average PCB concentrations.
- Filtered PCB concentrations were near or slightly below the MCP GW-3 standards at wells E2SC-24, ES1-5, ES1-27R, ESA1N-52, and N2SC-07S. Therefore, GE proposes to retain these wells in the interim monitoring program to continue to assess the need for long-term monitoring.
- Filtered PCB concentrations at wells E2SC-23 and LSSC-8S have been above the MCP GW-3 standards on several occasions. GE will retain these wells in the interim monitoring program due to previous EPA requests to continue interim sampling and to assess the exceedances further. In addition, GE proposes to conduct a supplemental sampling round in Fall 2006 at well LSSC-8S, as discussed in Section 5.2.2 below.

• Filtered PCB concentrations in spring 2006 and prior monitoring events were also above the MCP GW-3 standards at wells HR-G3-MW-1, LS-29, and LSSC-18. GE proposes to retain these wells in the interim monitoring program to monitor potential trends in PCB concentrations at these locations. In addition, as discussed in Section 5.2.2 below, GE proposes to conduct supplemental sampling for PCBs at well LSSC-18 in fall 2006.

Per Condition 4 of EPA's May 10, 2006 conditional approval letter, GE has installed four additional monitoring wells around the perimeter of the Newell Street Area II Removal Action Area (GMA1-25, GMA1-26, GMA1-27, and GMA1-28) for the purpose of monitoring water table elevations (see Figure 3). Groundwater elevations from those wells will be monitored on a quarterly basis for a period of one year (beginning in July 2006) to define groundwater flow patterns around Newell Street Area II. The results of this groundwater monitoring will be incorporated into groundwater flow mapping as part of GE's NAPL monitoring reports. In addition, following the fourth round of quarterly monitoring, GE will summarize the groundwater elevation monitoring results at these wells in a letter to EPA, as discussed in Section 5.4 below.

5.2.2 Proposed Supplemental Sampling Round

In addition to the proposed modifications to the interim sampling program discussed above, GE proposes to conduct a supplemental sampling event in fall 2006 at two wells where GE believes that sampling in the fall season is warranted based on recent results. As shown in the graphs in Appendix C and discussed above in Sections 4.3.2, 4.3.3, and 4.4, filtered PCB concentrations at wells LSSC-08S and LSSC-18 were detected at elevated concentrations in spring 2006. In response to these results, filtered samples from wells LSSC-8S and LSSC-18 are proposed to be collected and analyzed for PCBs to further assess increases in PCB concentrations observed at these wells in spring 2006.

5.3 Field Activities Schedule

If approved by EPA, GE will conduct the proposed supplemental sampling discussed in Section 5.2.2 above in October 2006. The next full interim groundwater quality sampling round is scheduled for October 2007.

Groundwater elevations at the new wells installed at Newell Street Area II will be monitored during quarterly monitoring rounds conducted in July 2006, October 2006, January 2007, and April 2007, while all wells

included in GE's groundwater quality and NAPL monitoring programs will be gauged as part of the October 2006 and April 2007 semi-annual monitoring events.

Prior to performance of these activities, GE will provide EPA with 7 days advance notice to allow the

assignment of field oversight personnel.

5.4 Reporting Schedule

GE will continue to provide the results of preliminary groundwater analytical data in its monthly reports on

overall activities at the GE-Pittsfield/Housatonic River Site.

GE will submit a Fall 2006 Supplemental Groundwater Quality Report for GMA 1 to EPA by January 31, 2007.

That report will present and discuss the validated results of the fall 2006 supplemental sampling event and

propose further modifications to the interim sampling program based on those results, if necessary.

Following completion of one year of monitoring at Newell Street Area II wells GMA 1-25 through GMA1-28,

GE will prepare a brief letter to EPA summarizing the monitoring results, including representative groundwater

elevation contour mapping. Since the final round of water level monitoring at these locations is scheduled to be

conducted in April 2007, GE proposes to submit the summary letter to EPA by June 30, 2007.

GE will submit the Fall 2007 Interim Groundwater Quality Report for GMA 1 by January 31, 2008, in

accordance with the reporting schedule approved by EPA. That report will present the final, validated fall 2007

interim sampling results and a brief discussion of the results, including any proposals to further modify the

interim monitoring program, if necessary. GE will also include an updated summary of available groundwater

monitoring results and analytical data collected at the adjacent East Street Mobil Site, to the extent that such

information is available to GE.

Subsequent annual Interim Groundwater Quality Reports for GMA 1 will be submitted by January 31 where

sampling activities were performed in the prior fall, or by July 31 where sampling activities were performed in

the prior spring.

BLASLAND, BOUCK & LEE, INC.

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Tables



TABLE 1 SPRING 2006 INTERIM GROUNDWATER QUALITY MONITORING ACTIVITIES

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2006 Analyses ⁽²⁾	Comments					
RAA 1 - 40s COMPLEX									
No interim groundwater quality monitoring scheduled to be performed in this RAA.									
RAA 2 - 30s COMPL	_EX								
RF-02	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ						
RF-16	GW-3 Perimeter (Downgradient)	Annual (1)	Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols utilized					
RAA 3 - 20s COMPL	_EX								
No interim gro	oundwater quality monitoring sched	uled to be performe	d in this RAA.						
RAA 4 - EAST STRE	EET AREA 2-SOUTH								
GMA1-13	GW-3 General/Source Area Sentinel	Annual (1)	PCB						
E2SC-23	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ						
E2SC-24	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾ / Spring 2006	PCB / Cyanide	PCB analysis conducted on annual basis per approved program / Supplemental cyanide analysis utilizing MDEP PAC (Physiologically Available Cyanide) Protocols conducted in spring 2006					
ES2-02A	GW-3 Perimeter (Downgradient)	Annual (1)	Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols utilized					
ESA2S-52	GW-3 General/Source Area Sentinel	Annual (1)	Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols utilized					
ESA2S-64	GW-3 Perimeter (Downgradient)	Spring 2006	Cyanide	Supplemental cyanide analysis utilizing MDEP PAC (Physiologically Available Cyanide) Protocols conducted in spring 2006					
HR-G1-MW-3	GW-3 Perimeter (Downgradient)	Annual (1)	Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols utilized					
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ						

TABLE 1 SPRING 2006 INTERIM GROUNDWATER QUALITY MONITORING ACTIVITIES

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2006 Analyses ⁽²⁾	Comments					
RAA 5 - EAST STRI	AA 5 - EAST STREET AREA 2-NORTH								
ES1-05	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ						
ES1-27R	GW-3 General/ Source Area Sentinel	Annual (1)	PCB						
RAA 6 - EAST STRI	EET AREA 1-NORTH								
ESA1N-52	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual ⁽¹⁾	PCB						
RAA 12 - LYMAN S	TREET AREA								
LS-29	GW-3 General/Source Area Sentinel	Annual (1)	PCB						
LSSC-08S	GW-3 Perimeter (Downgradient)	Annual (1)	PCB						
LSSC-16S	GW-2 Sentinel	Annual (1)	VOC (+5 SVOC)						
LSSC-18	GW-3 Perimeter (Downgradient)	Annual (1)	PCB						
MW-4R	GW-3 Perimeter (Downgradient)	Annual (1)	VOC/PCB						
RAA 13 - NEWELL S	STREET AREA II								
N2SC-07S	GW-3 Perimeter (Downgradient)	Annual (1)	VOC/PCB						
NS-17	GW-3 Perimeter (Downgradient)	Annual (1)	VOC						
RAA 14 - NEWELL	STREET AREA I								
No interim gro	No interim groundwater quality monitoring scheduled to be performed in this RAA.								

TABLE 1 SPRING 2006 INTERIM GROUNDWATER QUALITY MONITORING ACTIVITIES

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2006 Analyses ⁽²⁾	Comments
RAA 18 - EAST STE	REET AREA 1 SOUTH			
139R	GW-2 Sentinel/ GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾	PCB	
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual ⁽¹⁾	VOC (+5 SVOC)/ PCB/Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols utilized for cyanide analysis
GMA1-6	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual (1)	VOC(+5 SVOC)/ PCB	
GMA1-18	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual ⁽¹⁾	PCB	

NOTES:

- 1. The wells scheduled for annual groundwater quality sampling are sampled for the listed parameters during the interim period between the completion of the baseline monitoring program and the initiation of a long-term monitoring program. The sampling schedule alternates between the spring and fall seasons each year, beginning with spring 2004.
- 2. All analyses for PCB, metals, and cyanide conducted under the annual interim monitoring program are performed on filtered samples only.

TABLE 2 MONITORING WELL CONSTRUCTION

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number	Survey Co	oordinates Easting	Well Diameter (inches)	Ground Surface Elevation (feet AMSL)	Measuring Point Elevation (feet AMSL)	Depth to Top of Screen (feet BGS)	Screen Length (feet)	Top of Screen Elevation (feet AMSL)	Base of Screen Elevation (feet AMSL)	
RAA 2 - 30s Com	RAA 2 - 30s Complex									
RF-02	533507.3	131111.2	4	983.4	982.43	3.0	15.0	980.4	965.4	
RF-16	534255.3	130931.5	4	988.2	987.91	7.0	15.0	981.2	966.2	
RAA 4 - East Stre	et Area 2-South	า								
E2SC-23	533344.4	133132.7	2	990.1	992.07	9.0	10.0	981.1	971.1	
E2SC-24	533535.5	133544.4	2	986.0	987.90	9.0	10.0	977.0	967.0	
ES2-02A	533023.6	132497.9	2	980.2	979.63	3.0	15.0	977.2	962.2	
ESA2S-52	533231.0	132441.0	2	985.5	985.18	4.2	20.0	981.3	961.3	
ESA2S-64	533152.1	132820.0	2	985.1	984.98	7.0	5.0	978.1	973.1	
GMA1-13	533785.7	133705.2	2	989.5	991.41	15.0	10.0	974.5	964.5	
HR-G1-MW-3	533046.0	132710.1	2	978.3	980.21	7.0	10.0	971.3	961.3	
HR-G3-MW-1	532900.3	132455.1	2	980.3	982.45	4.1	10.0	976.2	966.2	
RAA 5 - East Stre	et Area 2-North)								
ES1-05	534740.6	135064.1	2	1,023.4	1,023.33	35.0	10.0	988.4	978.4	
ES1-27R	534603.1	134604.2	2	1,023.4	1,023.19	9.3	10.0	1,014.1	1,004.1	
RAA 6 - East Stre	et Area 1-North)								
ESA1-52	534253.8	134565.9	2	999.7	999.26	2.0	20.0	997.7	977.7	
RAA 12 - Lyman S	Street Area							•		
LS-29	532807.6	131047.4	2	988.4	988.25	24.6	10.0	963.8	953.8	
LSSC-08S	532408.9	130817.2	2	983.6	983.11	5.0	10.0	978.6	968.6	
LSSC-16S	532500.5	130690.3	2	981.5	981.37	5.0	10.0	976.5	966.5	
LSSC-18	532664.7	131107.5	2	987.6	987.32	9.0	10.0	978.6	968.6	
MW-4R	532351.6	130525.4	2	981.2	980.82	5.5	10.0	975.7	965.7	

TABLE 2 MONITORING WELL CONSTRUCTION

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number Survey Coordinates		Well Diameter	Ground Surface Elevation	Measuring Point Elevation	Depth to Top of Screen	Screen Length	Top of Screen Elevation	Base of Screen Elevation	
	Northing	Easting	(inches)	(feet AMSL)	(feet AMSL)	(feet BGS)	(feet)	(feet AMSL)	(feet AMSL)
RAA 13 - Newell 3	Street Area II								
N2SC-07S	532707.0	131599.5	2	983.2	982.93	8.9	10.0	974.3	964.3
NS-17	532656.2	131503.3	2	982.0	984.64	6.0	10.0	976.0	966.0
RAA 18 - East Str	reet Area 1-Sou	ıth							
72R	543196.1	134234.6	4	1,001.2	1,000.92	4.0	10.0	997.2	987.2
139R	533841.6	135011.0	2	987.4	986.91	6.0	10.0	981.4	971.4
GMA1-6	534084.3	134455.5	2	1,000.7	1,000.44	5.0	10.0	995.7	985.7
GMA1-18	534221.0	134872.5	2	998.5	998.29	4.0	10.0	994.5	985.5

NOTES:

1. The listed wells were scheduled to be utilized during spring 2006 for baseline groundwater quality sampling.

2. feet AMSL: Feet above mean sea level

3. feet BGS: Feet below ground surface

TABLE 3 FIELD PARAMETER MEASUREMENTS - SPRING 2006

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

WELL NUMBER	TURBIDITY (NTU)	TEMPERATURE (DEGREES CELSIUS)	pH (STANDARD UNITS)	SPECIFIC CONDUCTIVITY (mS/cm)	OXIDATION- REDUCTION POTENTIAL (mV)	DISSOLVED OXYGEN (mg/L)
RAA 2 - 30s COMF	PLEX					
RF-02	8.0	8.02	6.53	1.777	113.5	0.47
RF-16	3.0	7.74	6.56	1.148	204.1	6.76
RAA 4 - EAST STR	REET AREA 2-SOL	JTH				
E2SC-23	1.0	7.04	7.79	0.472	78.0	7.31
E2SC-24	6.0	8.79	7.00	1.124	-74.4	1.97
ES2-02A	6.0	9.55	7.26	1.886	-118.3	0.64
ESA2S-52	5.0	10.64	7.51	3.101	-143.0	1.22
ESA2S-64	32.0	8.89	7.00	1.612	-88.0	1.01
GMA1-13	10.0	8.77	6.22	0.821	295.8	2.33
HR-G1-MW-3	4.0	7.93	7.66	1.161	-97.4	1.73
HR-G3-MW-1	49.0	8.78	7.97	1.658	-86.0	5.52
RAA 5 - EAST STR	REET AREA 2-NOF	RTH				
ES1-05	5.0	11.93	7.17	1.459	43.1	0.99
ES1-27R	32.0	8.59	7.57	0.356	192.9	7.32
RAA 6 - EAST STR	REET AREA 1-NOF	RTH				
ESA1-52	28.0	8.25	8.08	16.580	-102.2	1.97
RAA 12 - LYMAN S	STREET AREA					
LS-29	18.0	10.02	7.97	0.513	55.0	4.13
LSSC-08S	17.0	9.02	7.01	1.478	-44.5	1.13
LSSC-16S	42.0	10.41	7.14	0.789	102.8	4.11
LSSC-18	17.0	13.62	7.63	0.597	-10.2	6.45
MW-4R	1.0	11.06	6.96	0.988	-65.8	0.72
RAA 13 - NEWELL	STREET AREA II					
N2SC-07S	0.0	9.44	7.19	0.712	-72.8	2.21
NS-17	8.0	9.52	6.51	0.762	-42.7	0.43

TABLE 3 FIELD PARAMETER MEASUREMENTS - SPRING 2006

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

WELL NUMBER	TURBIDITY (NTU)	TEMPERATURE (DEGREES CELSIUS)	pH (STANDARD UNITS)	' CONDUCTIVITY I		DISSOLVED OXYGEN (mg/L)
RAA 18 - EAST ST	REET AREA 1-SC	OUTH				
72R	23.0	5.49	6.31	3.597	301.3	8.44
139R	13.0	9.14	Probe Malfunction	0.631	-35.8	7.70
GMA1-6	6.0	9.65	7.55	1.551	-91.1	2.14
GMA1-18	12.0	7.93	6.72	0.617	183.0	4.96

Notes:

- 1. Measurements collected during spring 2006 groundwater sampling event performed between April 3 and April 14, 2006.
- 2. Well parameters were generally monitored continuously during purging by low-flow techniques. Final parameter readings are presented.
- 3. NTU Nephelometric Turbidity Units
- 4. mS/cm Millisiemens per centimeter
- 5. mV Millivolts
- 6. mg/L Milligrams per liter (ppm)

TABLE 4 COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-2 STANDARDS

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

	Site ID:		East St. Area 1 - 3	Lyman Street Area					
Parameter	Sample ID: Date Collected:		72R 04/04/06	GMA1-6 04/04/06	LSSC-16S 04/06/06				
Volatile Organics									
Chloroform		0.4	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0027 J				
Tetrachloroethene		0.05	ND(0.0020) [ND(0.0020)]	ND(0.0020)	0.0048				
Total VOCs		5	ND(0.20) [ND(0.20)]	ND(0.20)	0.0075 J				
Semivolatile Organics									
None Detected									

Notes:

- 1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered), volatiles, selected semivolatiles and cyanide (filtered).
- Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland, Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
- 3. Only volatile and semivolatile analyses are presented for the 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 and semivolatile constituents detected in at least one sample are summarized.
- -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, semivolatiles)

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

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site II	D	30s Co	mplex	East St. Area 1 - North	East St. A	Area 1 - South	
Sample ID Parameter Date Collected		RF-02 04/06/06	RF-16 04/06/06	ESA1N-52 04/05/06	72R 04/04/06	GMA1-18 04/05/06	GMA1-6 04/04/06
Volatile Organics							
1,1-Dichloroethene	30	NA	NA	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Benzene	10	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Chlorobenzene	1	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Toluene	4	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
trans-1,2-Dichloroethene	50	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Vinyl Chloride	50	NA	NA	NA	ND(0.0020) [ND(0.0020)]	NA	ND(0.0020)
Xylenes (total)	0.5	NA	NA	NA	ND(0.010) [ND(0.010)]	NA	ND(0.010)
PCBs-Filtered							
Aroclor-1248	Not Listed	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Aroclor-1254	Not Listed	ND(0.000089)	NA	0.000087	0.00014 [0.00014]	0.00011	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Total PCBs	0.0003	ND(0.000089)	NA	0.000087	0.00014 [0.00014]	0.00011	ND(0.000065)
Semivolatile Organics							
None Detected		NA	NA	NA		NA	
Inorganics-Filtered							
Cyanide-MADEP (PAC)	0.03	NA	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA	NA

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site ID		East St. Area 1 - South	East St. Are	ea 2 - North		East St. Area	2 - South	
Sample ID: Parameter Date Collected:		MW-139R 04/14/06	ES1-27R 04/03/06	ES1-5 04/03/06	E2SC-23 04/04/06	E2SC-24 04/05/06	ES2-02A 04/05/06	ESA2S-52 04/04/06
Volatile Organics								
1,1-Dichloroethene	30	NA	NA	NA	NA	NA	NA	NA
Benzene	10	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1	NA	NA	NA	NA	NA	NA	NA
Toluene	4	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	50	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	50	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	0.5	NA	NA	NA	NA	NA	NA	NA
PCBs-Filtered								
Aroclor-1248	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1254	Not Listed	0.00015	0.00028	0.00021	0.0021	0.00053	NA	NA
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	0.00011	0.00059	ND(0.000065)	NA	NA
Total PCBs	0.0003	0.00015	0.00028	0.00032	0.00269	0.00053	NA	NA
Semivolatile Organics								
None Detected		NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Cyanide-MADEP (PAC)	0.03	NA	NA	NA	NA	ND(0.0100)	0.00540 B	0.00550 B

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Site I	D		East St. A	rea 2 - South			Lyman Street Area	
Sample II Parameter Date Collected		ESA2S-64 04/04/06	GMA1-13 04/03/06	HR-G1-MW-3 04/06/06	HR-G3-MW-1 04/06/06	LS-29 04/05/06	LS-MW-4R 04/07/06	LSSC-08S 04/05/06
Volatile Organics								
1,1-Dichloroethene	30	NA	NA	NA	NA	NA	ND(0.0010)	NA
Benzene	10	NA	NA	NA	NA	NA	0.0072	NA
Chlorobenzene	1	NA	NA	NA	NA	NA	ND(0.0050)	NA
Toluene	4	NA	NA	NA	NA	NA	ND(0.0050)	NA
trans-1,2-Dichloroethene	50	NA	NA	NA	NA	NA	ND(0.0050)	NA
Vinyl Chloride	50	NA	NA	NA	NA	NA	ND(0.0020)	NA
Xylenes (total)	0.5	NA	NA	NA	NA	NA	0.0082 J	NA
PCBs-Filtered								
Aroclor-1248	Not Listed	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.0014
Aroclor-1254	Not Listed	NA	0.00022	NA	ND(0.00046)	0.0010	ND(0.000065)	0.0018
Aroclor-1260	Not Listed	NA	ND(0.000065)	NA	0.00042	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.0003	NA	0.00022	NA	0.00042	0.0010	ND(0.000065)	0.0032
Semivolatile Organics								
None Detected		NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered	_	•		•		•	•	
Cyanide-MADEP (PAC)	0.03	0.00370 B	NA	0.00600 B	NA	NA	NA	NA

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results are presented in parts per million, ppm)

Site ID		Lyman Street Area	Newell S	t. Area II						
Sample ID		LSSC-18	N2SC-07S	NS-17						
Parameter Date Collected	Standards	04/07/06	04/07/06	04/07/06						
Volatile Organics										
1,1-Dichloroethene	30	NA	0.0035	ND(0.0010)						
Benzene	10	NA	0.012	0.0027 J						
Chlorobenzene	1	NA	0.058	0.019						
Toluene	4	NA	0.0016 J	ND(0.0050)						
trans-1,2-Dichloroethene	50	NA	0.0037 J	ND(0.0050)						
Vinyl Chloride	50	NA	0.49	0.030						
Xylenes (total)	0.5	NA	ND(0.010)	ND(0.010)						
PCBs-Filtered										
Aroclor-1248	Not Listed	ND(0.00025)	ND(0.000065)	NA						
Aroclor-1254	Not Listed	0.0048	ND(0.000084)	NA						
Aroclor-1260	Not Listed	0.0014	ND(0.000065)	NA						
Total PCBs	0.0003	0.0062	ND(0.000084)	NA						
Semivolatile Organics										
None Detected		NA	NA	NA						
Inorganics-Filtered	Inorganics-Filtered									
Cyanide-MADEP (PAC)	0.03	NA	NA	NA						

Notes

- 1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs (filtered), selected semivolatiles and cyanide (filtered).
- 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. Field duplicate sample results are presented in brackets.
- 6. Shading indicates that value exceeds GW-3 Standards.
- 7. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

Inorganics

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

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

	Site ID		30s Co	mplex	East St. Area 1 - North	East St. A	rea 1 - South	
Parameter	Sample ID: Date Collected:	MCP UCL for Groundwater	RF-02 04/06/06	RF-16 04/06/06	ESA1N-52 04/05/06	72R 04/04/06	GMA1-18 04/05/06	GMA1-6 04/04/06
Volatile Organic	s							
1,1-Dichloroethe	ne	100	NA	NA	NA	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Benzene		100	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Chlorobenzene		10	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Chloroform		100	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Tetrachloroethen	ne	100	NA	NA	NA	ND(0.0020) [ND(0.0020)]	NA	ND(0.0020)
Toluene		80	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
trans-1,2-Dichlor	oethene	100	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Vinyl Chloride		100	NA	NA	NA	ND(0.0020) [ND(0.0020)]	NA	ND(0.0020)
Xylenes (total)		100	NA	NA	NA	ND(0.010) [ND(0.010)]	NA	ND(0.010)
PCBs-Filtered								
Aroclor-1248		Not Listed	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Aroclor-1254		Not Listed	ND(0.000089)	NA	0.000087	0.00014 [0.00014]	0.00011	ND(0.000065)
Aroclor-1260		Not Listed	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)	ND(0.000065)
Total PCBs		0.005	ND(0.000089)	NA	0.00087	0.00014 [0.00014]	0.00011	ND(0.000065)
Semivolatile Or	ganics							
None Detected			NA	NA	NA		NA	
Inorganics-Filte	red					_		
Cyanide-MADEP	P (PAC)	2	NA	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA	NA

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

	Site ID		East St. Area 1 - South	East St. Are	ea 2 - North		East St. Area 2	2 - South	
Parameter	Sample ID: Date Collected:	MCP UCL for Groundwater	MW-139R 04/14/06	ES1-27R 04/03/06	ES1-5 04/03/06	E2SC-23 04/04/06	E2SC-24 04/05/06	ES2-02A 04/05/06	ESA2S-52 04/04/06
Volatile Organic	s								
1,1-Dichloroether	ne	100	NA	NA	NA	NA	NA	NA	NA
Benzene		100	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene		10	NA	NA	NA	NA	NA	NA	NA
Chloroform		100	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethen	е	100	NA	NA	NA	NA	NA	NA	NA
Toluene		80	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichlor	oethene	100	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride		100	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)		100	NA	NA	NA	NA	NA	NA	NA
PCBs-Filtered									
Aroclor-1248		Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	NA	NA
Aroclor-1254		Not Listed	0.00015	0.00028	0.00021	0.0021	0.00053	NA	NA
Aroclor-1260		Not Listed	ND(0.000065)	ND(0.000065)	0.00011	0.00059	ND(0.000065)	NA	NA
Total PCBs		0.005	0.00015	0.00028	0.00032	0.00269	0.00053	NA	NA
Semivolatile Org	ganics								
None Detected			NA	NA	NA	NA	NA	NA	NA
Inorganics-Filte	red								
Cyanide-MADEP	(PAC)	2	NA	NA	NA	NA	ND(0.0100)	0.00540 B	0.00550 B

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA **GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006** GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

Site ID East St. Area 2 - South Lyman Street Area Sample ID: MCP UCL **ESA2S-64 GMA1-13** HR-G1-MW-3 HR-G3-MW-1 LS-29 LS-MW-4R LSSC-08S Parameter **Date Collected:** for Groundwater 04/04/06 04/03/06 04/06/06 04/06/06 04/05/06 04/07/06 04/05/06 Volatile Organics 1,1-Dichloroethene 100 NA NA NA NA NA ND(0.0010) NA Benzene 100 NΑ NA NA NA NA 0.0072 NA 10 NA ND(0.0050) NA Chlorobenzene NA NA NA NA Chloroform 100 NΑ NA NA NA NA ND(0.0050) NA Tetrachloroethene 100 NΑ NA NA NA NA ND(0.0020) NA Toluene 80 NA NA NA NA NA ND(0.0050) NA trans-1,2-Dichloroethene 100 NΑ NA NA NA NA ND(0.0050) NA ND(0.0020) Vinyl Chloride 100 NΑ NA NA NA NA NA Xylenes (total) 100 NA NA NA NA NA 0.0082 J NA PCBs-Filtered Aroclor-1248 Not Listed NA ND(0.000065) NA ND(0.000065) ND(0.000065) ND(0.000065) 0.0014 Aroclor-1254 Not Listed NΑ 0.00022 NA ND(0.00046) 0.0010 ND(0.000065) 0.0018 ND(0.000065) Aroclor-1260 Not Listed NA ND(0.000065) NA 0.00042 ND(0.000065) ND(0.000065) Total PCBs 0.005 NA 0.00022 NA 0.00042 0.0010 ND(0.000065) 0.0032 Semivolatile Organics None Detected NΑ NA NA NA NA NA NA Inorganics-Filtered Cyanide-MADEP (PAC) 0.00370 B 0.00600 B NA

NA

NA

NA

NA

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results are presented in parts per million, ppm)

	Site ID		Lyman S	treet Area	Newell S	t. Area II
Parameter	Sample ID: Date Collected:	MCP UCL for Groundwater	LSSC-16S 04/06/06	LSSC-18 04/07/06	N2SC-07S 04/07/06	NS-17 04/07/06
Volatile Organi	cs					
1,1-Dichloroethe	ene	100	ND(0.0010)	NA	0.0035	ND(0.0010)
Benzene		100	ND(0.0050)	NA	0.012	0.0027 J
Chlorobenzene		10	ND(0.0050)	NA	0.058	0.019
Chloroform		100	0.0027 J	NA	ND(0.0050)	ND(0.0050)
Tetrachloroethe	ne	100	0.0048	NA	ND(0.0020)	ND(0.0020)
Toluene		80	ND(0.0050)	NA	0.0016 J	ND(0.0050)
trans-1,2-Dichlo	roethene	100	ND(0.0050)	NA	0.0037 J	ND(0.0050)
Vinyl Chloride		100	ND(0.0020)	NA	0.49	0.030
Xylenes (total)		100	ND(0.010)	NA	ND(0.010)	ND(0.010)
PCBs-Filtered						
Aroclor-1248		Not Listed	NA	ND(0.00025)	ND(0.000065)	NA
Aroclor-1254		Not Listed	NA	0.0048	ND(0.000084)	NA
Aroclor-1260		Not Listed	NA	0.0014	ND(0.000065)	NA
Total PCBs		0.005	NA	0.0062	ND(0.000084)	NA
Semivolatile O	rganics					
None Detected				NA	NA	NA
Inorganics-Filte	ered					
Cyanide-MADEI	P (PAC)	2	NA	NA	NA	NA

Notes:

- Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs (filtered), selected semivolatiles and cyanide (filtered).
- 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. Only those constituents detected in one or more samples are summarized.
- 6. Field duplicate sample results are presented in brackets.
- 7. Shading indicates that value exceeds UCL for groundwater.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

Inorganics

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

TABLE 7 PROPOSED MODIFICATIONS TO INTERIM GROUNDWATER QUALITY MONITORING PROGRAM

		Samp	ling Schedule & An	alyses	
Well Number	Monitoring Well Usage	Current Annual Analyses	Proposed Supplemental Analyses (Fall 2006 Only)	Proposed Annual Analyses (Next Round: Fall 2007)	Comments
RAA 2 - 30s COMP	PLEX				
RF-02	GW-3 Perimeter (Downgradient)	РСВ	NONE	NONE	Although the GW-3 Standard for PCBs was equaled during a single sampling event, the average PCB concentration is less than 50% of the GW-3 Standard.
RF-16	GW-3 Perimeter (Downgradient)	Cyanide	NONE	NONE	Cyanide was only detected during one of seven sampling events, at a concentration well below the revised GW-3 Standard.
RAA 4 - EAST STR	REET AREA 2-SOUTH				
3-6C-EB-14	GW-3 Perimeter (Downgradient)	NONE	NONE	VOC	Average chlorobenzene concentration is slightly below the revised GW-3 Standard (i.e., greater than 50 %). Interim sampling proposed to further assess.
GMA1-13	GW-3 General/Source Area Sentinel	PCB	NONE	PCB	Average PCB concentration is well below GW-3 Standard, but interim sampling proposed for PCBs to further assess recent increased concentrations.
E2SC-23	GW-3 Perimeter (Downgradient)	PCB	NONE	PCB	Average PCB concentrations are greater than the GW-3 Standards. Interim sampling for PCBs conducted per EPA requirement.
E2SC-24	GW-3 Perimeter (Downgradient)	PCB (Cyanide in spring 2006 only)	NONE	PCB	Average PCB concentration is slightly below GW-3 Standard (i.e., greater than 50 %) and increasing trend exhibited in data. Interim sampling proposed for PCBs to further assess. Average cyanide concentration well below the revised GW-3 Standard.
ES2-02A	GW-3 Perimeter (Downgradient)	Cyanide	NONE	VOC	Average cyanide concentration is well below the revised GW-3 Standard . Average chlorobenzene concentration is slightly greater than the revised GW-3 Standard. Interim sampling proposed for VOCs to further assess.
ESA2S-52	GW-3 General/Source Area Sentinel	Cyanide	NONE	NONE	Average cyanide concentration is well below the revised GW-3 Standard.
ESA2S-64	GW-3 Perimeter (Downgradient)	(Cyanide in spring 2006 only)	NONE	VOC	Average cyanide concentration is well below the revised GW-3 Standard. Average chlorobenzene and xylene concentrations are slightly below the revised GW-3 Standards (i.e., greater than 50 %). Interim sampling for VOCs proposed to further assess.
HR-G1-MW-3	GW-3 Perimeter (Downgradient)	Cyanide	NONE	NONE	Average cyanide concentration is well below the revised GW-3 Standard.
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	РСВ	NONE	PCB	Average PCB concentration is slightly above GW-3 Standard and interim sampling for PCBs proposed to further assess.

TABLE 7 PROPOSED MODIFICATIONS TO INTERIM GROUNDWATER QUALITY MONITORING PROGRAM

		Samp	ling Schedule & An	alyses	
Well Number	Monitoring Well Usage	Current Annual Analyses	Proposed Supplemental Analyses (Fall 2006 Only)	Proposed Annual Analyses (Next Round: Fall 2007)	Comments
ES1-05	GW-3 Perimeter (Downgradient)	PCB	NONE	PCB	Average PCB concentration is slightly below GW-3 Standard (i.e., greater than 50 %). Interim sampling for PCBs proposed to further assess.
ES1-27R	GW-3 General/ Source Area Sentinel	PCB	NONE	PCB	Average PCB concentration is slightly above GW-3 Standard. Interim sampling for PCBs proposed to further assess.
RAA 6 - EAST ST	REET AREA 1-NORTH				
ESA1N-52	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	PCB	NONE	PCB	Average PCB concentration is slightly below GW-3 Standard (i.e., greater than 50 %). Interim sampling for PCBs proposed to further assess.
RAA 12 - LYMAN	STREET AREA				
LS-29	GW-3 General/ Source Area Sentinel	PCB	NONE	PCB	Average PCB concentration is above GW-3 Standard and increasing trend exhibited in data. Interim sampling for PCBs proposed to further assess.
LSSC-08S	GW-3 Perimeter (Downgradient)	РСВ	РСВ	РСВ	Average PCB concentration is above GW-3 Standard and increasing trend exhibited in data. Interim sampling for PCBs proposed to further assess. Supplemental sampling for PCBs proposed to address significant increase in PCB concentration observed in spring 2006.
LSSC-16S	GW-2 Sentinel	VOC (+5 SVOC)	NONE	VOC (+5 SVOC)	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling proposed based on location of well relative to adjacent building and edge of NAPL.
LSSC-18	GW-3 Perimeter (Downgradient)	РСВ	РСВ	РСВ	Average PCB concentration is above GW-3 Standard and increasing trend exhibited in data. Interim sampling for PCBs proposed to further assess. Supplemental sampling for PCBs proposed to address significant increase in PCB concentration observed in spring 2006.
MW-4R	GW-3 Perimeter (Downgradient)	VOC/PCB	NONE	VOC	No exceedances/near exceedances of applicable Performance Standards observed during baseline program. Interim sampling for VOCs proposed to assess increase in VOC concentrations observed in fall 2005.

TABLE 7 PROPOSED MODIFICATIONS TO INTERIM GROUNDWATER QUALITY MONITORING PROGRAM

PLANT SITE 1 GROUNDWATER MANAGEMENT ARE A GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

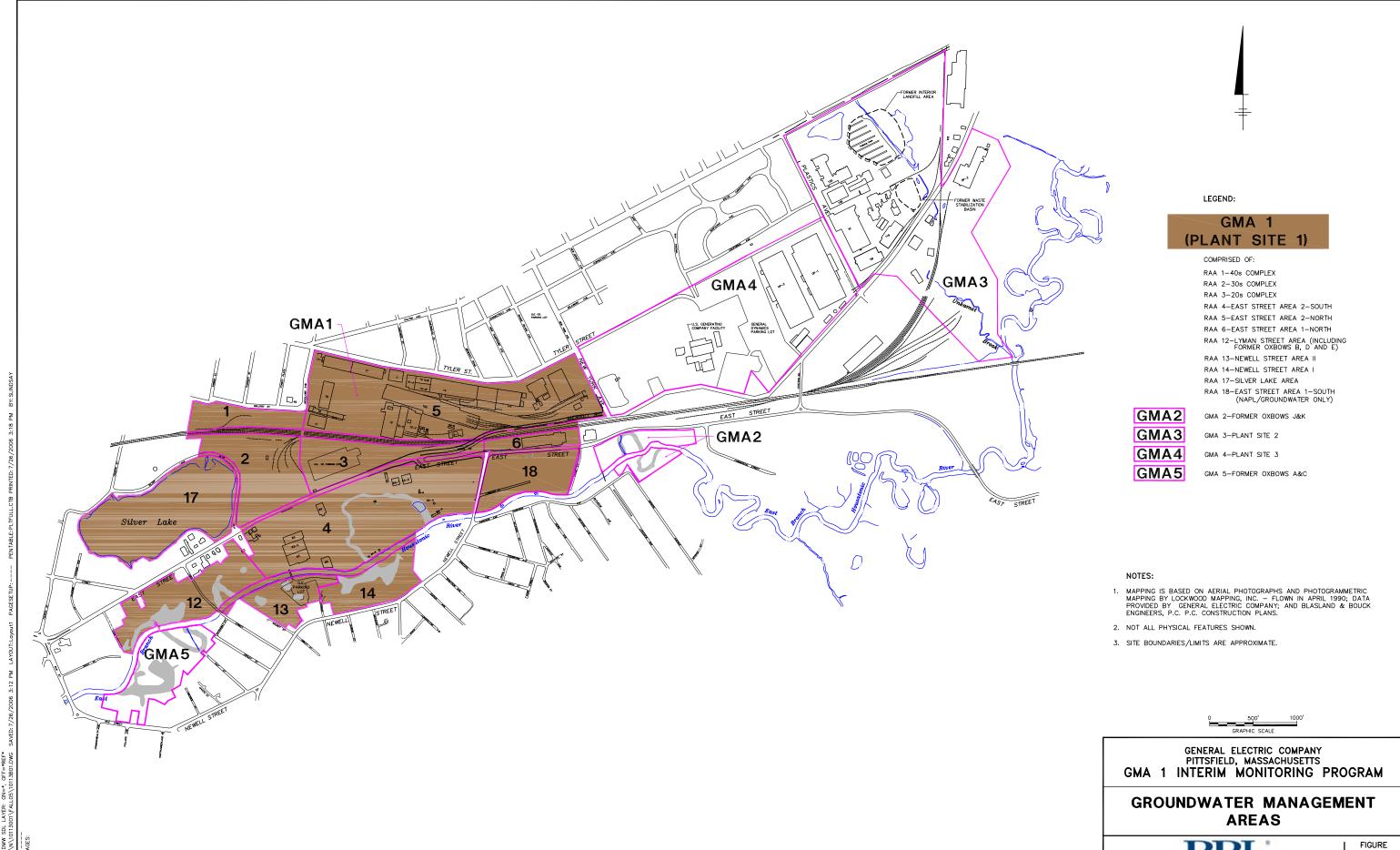
		Samp	ling Schedule & An	alyses					
Well Number	Monitoring Well Usage	Current Annual Analyses	Proposed Supplemental Analyses (Fall 2006 Only)	Proposed Annual Analyses (Next Round: Fall 2007)	Comments				
RAA 13 - NEWEL	RAA 13 - NEWELL STREET AREA II								
N2SC-07S	GW-3 Perimeter (Downgradient)	VOC/PCB	NONE		Average chlorobenzene concentration is well below the revised GW-3 Standard. Average PCB concentration is are slightly below GW-3 Standard (i.e., greater than 50 %). Interim sampling for PCBs proposed to further assess.				
NS-17	GW-3 Perimeter (Downgradient)	VOC	NONE	NONE	All average VOC concentrations are well below the revised GW-3 Standards and decreasing trend exhibited in data.				
RAA 18 - EAST S	TREET AREA 1 SOUTH								
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	VOC(+5 SVOC)/ PCB/Cyanide	NONE	` ,	Replacement for wells ES1-8 and ESA1S-33 for sampling purposes downgradient of NAPL containment area.				
139R	GW-2 Sentinel/GW-3 Perimeter (Downgradient)	РСВ	NONE		Average PCB concentration is well below GW-3 Standard, but interim sampling proposed for PCBs to assess potential declining trend.				
GMA1-6	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	VOC(+5 SVOC)/ PCB	NONE	VOC(+5 SVOC)/ PCB	Downgradient of NAPL containment area.				
GMA1-18	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	PCB	NONE	PCB	Downgradient replacement for well ES1-14. Average PCB concentration is well below GW-3 Standard, , but interim sampling proposed for PCBs to further assess recent increased concentrations.				

NOTES:

- 1. The wells proposed for annual groundwater quality sampling will be sampled for the listed parameters on an annual basis, alternating between the spring and fall seasons, during the interim period between the completion of the baseline monitoring program and the initiation of a long-term monitoring program. The next scheduled interim sampling round will be conducted in fall 2007 (although certain wells are proposed for supplemental sampling in fall 2006).
- 2. Wells that are proposed for supplemental analysis will only be sampled for the listed parameters in fall 2006.
- 3. All analyses for PCB, metals, and cyanide conducted under the interim monitoring program will be performed on filtered samples only.

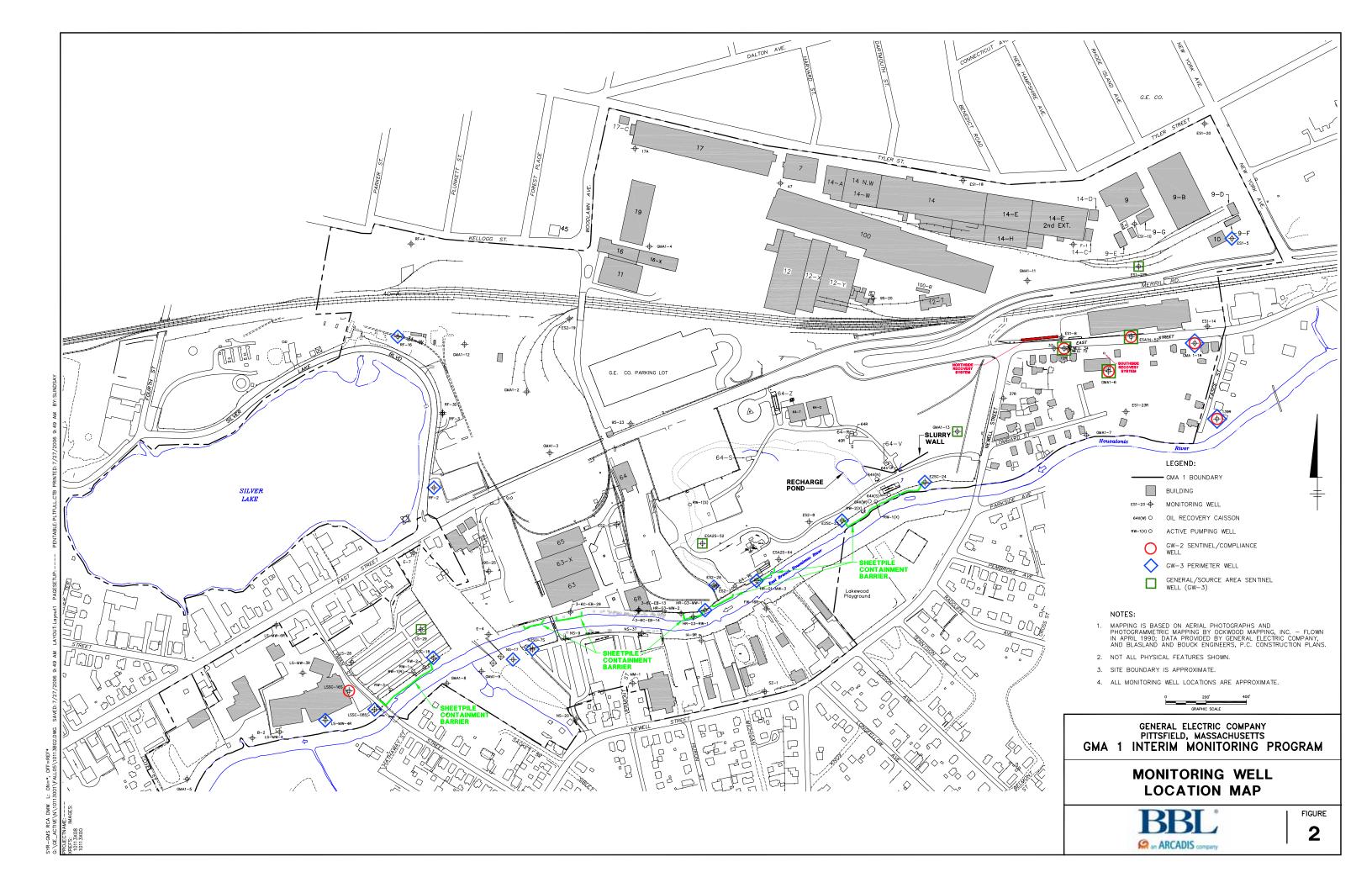
Figures

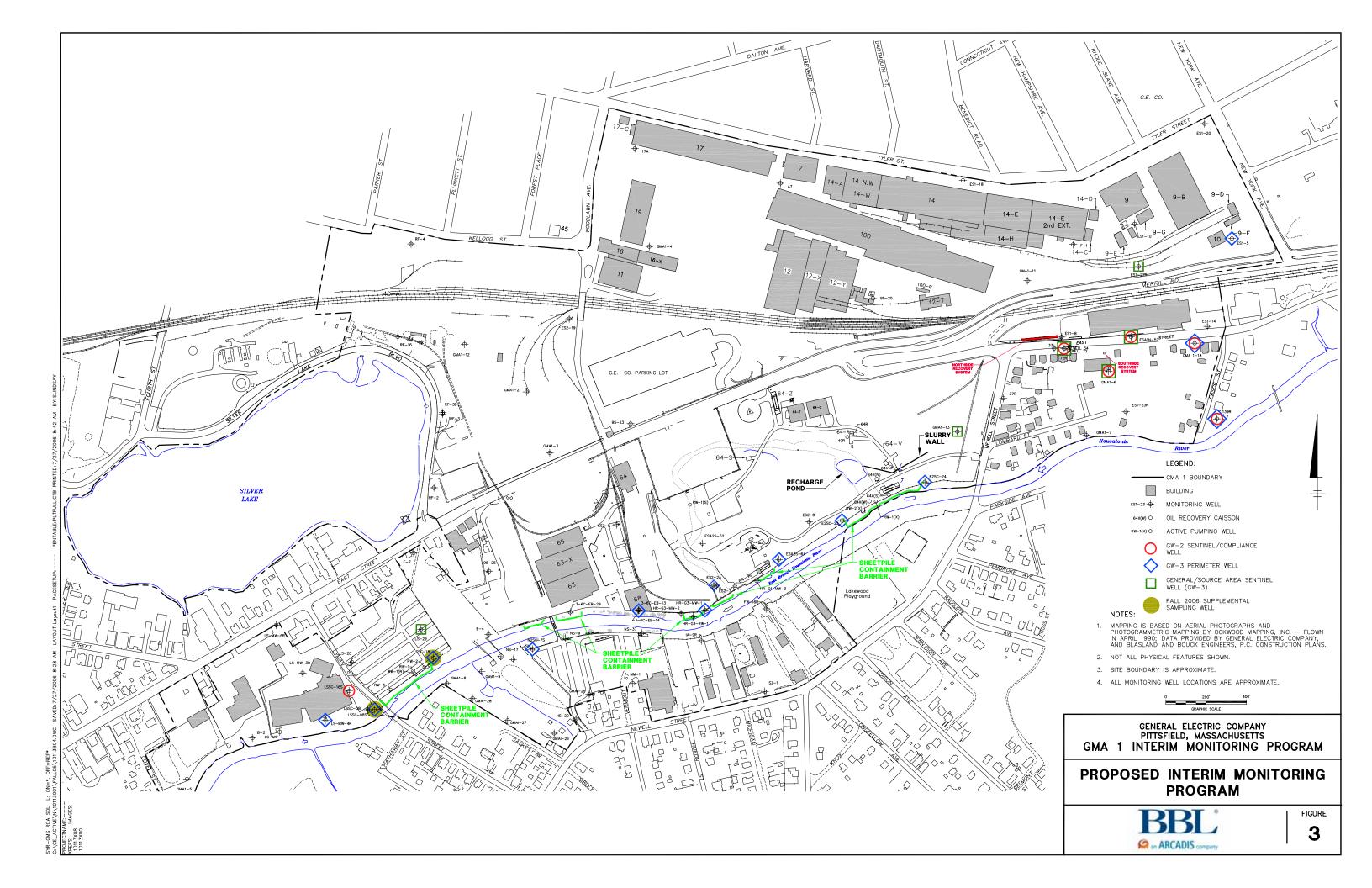




FIGURE

an ARCADIS company





Appendices



Appendix A

Groundwater Analytical Results



	Site ID	30s Co	mplex	East St. Area 1 - North	East St. Area 1 - Sou	th
	Sample ID:	RF-02	RF-16	ESA1N-52	72R	GMA1-18
Parameter	Date Collected:	04/06/06	04/06/06	04/05/06	04/04/06	04/05/06
Volatile Organics						
1,1,1,2-Tetrachlor		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,1,1-Trichloroeth	ane	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,1,2,2-Tetrachlor	oethane	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,1,2-Trichloroeth		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,1-Dichloroethan		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,1-Dichloroethen		NA	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2,3-Trichloropro	•	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,2-Dibromo-3-ch		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,2-Dibromoethan		NA	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloroethan		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,2-Dichloropropa	ne	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,4-Dioxane		NA	NA	NA	ND(0.20) J [ND(0.20) J]	NA
2-Butanone		NA	NA	NA	ND(0.010) [ND(0.010)]	NA
2-Chloro-1,3-buta		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
2-Chloroethylvinyl	ether	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
2-Hexanone		NA	NA	NA	ND(0.010) [ND(0.010)]	NA
3-Chloropropene		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
4-Methyl-2-pentar	none	NA	NA	NA	ND(0.010) [ND(0.010)]	NA
Acetone		NA	NA	NA	ND(0.010) [ND(0.010)]	NA
Acetonitrile		NA	NA	NA	ND(0.10) J [ND(0.10) J]	NA
Acrolein		NA	NA	NA	ND(0.10) [ND(0.10)]	NA
Acrylonitrile		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Benzene		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Bromodichlorome	thane	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Bromoform		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Bromomethane		NA	NA	NA NA	ND(0.0020) J [ND(0.0020) J]	NA
Carbon Disulfide	.,	NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA
Carbon Tetrachlor	ride	NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Chlorobenzene		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Chloroethane		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Chloroform		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA
Chloromethane		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
cis-1,3-Dichloropr		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Dibromochlorome Dibromomethane	unane	NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Dichlorodifluorom	othono	NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Ethyl Methacrylate		NA NA	NA NA	NA NA	ND(0.0050) J [ND(0.0050) J] ND(0.0050) J [ND(0.0050) J]	NA NA
Ethylbenzene	3	NA NA	NA NA	NA NA	ND(0.0050) 3 [ND(0.0050) 3]	NA NA
Iodomethane		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Isobutanol		NA NA	NA NA	NA NA	ND(0.0030) [ND(0.0030)]	NA NA
Methacrylonitrile		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Methyl Methacryla	ato.	NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Methylene Chloric		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Propionitrile	16	NA NA	NA NA	NA NA	ND(0.010) [ND(0.010)]	NA NA
Styrene		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA
Tetrachloroethene	2	NA	NA NA	NA NA	ND(0.0020) [ND(0.0020)]	NA
Toluene	•	NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
trans-1,2-Dichloro	ethene	NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
trans-1,3-Dichloro		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
trans-1,4-Dichloro		NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA
Trichloroethene		NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA
Trichlorofluorome	thane	NA NA	NA NA	NA NA	ND(0.0050) J [ND(0.0050) J]	NA NA
Vinyl Acetate		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Vinyl Chloride		NA NA	NA NA	NA NA	ND(0.0020) [ND(0.0020)]	NA NA
Xylenes (total)		NA NA	NA NA	NA NA	ND(0.010) [ND(0.010)]	NA NA
Total VOCs		NA NA	NA NA	NA NA	ND(0.20) [ND(0.20)]	NA NA
. 5.31 7 5 5 5		1471	1 1773	14/1	.15(0.20) [115(0.20)]	1471

Site ID	30s Coi	nplex	East St. Area 1 - North	East St. Area 1 - Sou	ıth
Sample ID:	RF-02	RF-16	ESA1N-52	72R	GMA1-18
Parameter Date Collected:	04/06/06	04/06/06	04/05/06	04/04/06	04/05/06
PCBs-Filtered					
Aroclor-1016	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1221	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1232	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1242	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1248	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Aroclor-1254	ND(0.000089)	NA	0.000087	0.00014 [0.00014]	0.00011
Aroclor-1260	ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs	ND(0.000089)	NA	0.000087	0.00014 [0.00014]	0.00011
Semivolatile Organics					
1,2,4-Trichlorobenzene	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,2-Dichlorobenzene	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,3-Dichlorobenzene	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,4-Dichlorobenzene	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Naphthalene	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
Inorganics-Filtered					
Cyanide-MADEP (PAC)	NA	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA

Site ID	East St. Are	a 1 - South	East St. A	rea 2 - North	East St. Ar	ea 2 - South
Sample ID:		MW-139R	ES1-27R	ES1-5	E2SC-23	E2SC-24
Parameter Date Collected:	04/04/06	04/14/06	04/03/06	04/03/06	04/04/06	04/05/06
Volatile Organics						
1,1,1,2-Tetrachloroethane	ND(0.0050)	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	ND(0.0050)	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ND(0.0050)	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND(0.0050)	NA	NA	NA	NA	NA
1,1-Dichloroethane	ND(0.0050)	NA	NA	NA	NA	NA
1,1-Dichloroethene	ND(0.0010)	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	ND(0.0050)	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	ND(0.0050)	NA	NA	NA	NA	NA
1,2-Dibromoethane	ND(0.0010)	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND(0.0050)	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND(0.0050)	NA	NA	NA	NA	NA
1,4-Dioxane	ND(0.20) J	NA	NA	NA	NA	NA
2-Butanone	ND(0.010)	NA	NA	NA	NA	NA
2-Chloro-1,3-butadiene	ND(0.0050)	NA	NA	NA	NA	NA
2-Chloroethylvinylether	ND(0.0050)	NA NA	NA	NA NA	NA	NA NA
2-Hexanone	ND(0.010)	NA NA	NA NA	NA NA	NA	NA NA
3-Chloropropene	ND(0.0050)	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ND(0.010)	NA NA	NA	NA NA	NA	NA NA
Acetone	ND(0.010)	NA NA	NA NA	NA NA	NA	NA NA
Acetonitrile	ND(0.10) J	NA NA	NA NA	NA NA	NA	NA NA
Acrolein	ND(0.10)	NA NA	NA NA	NA NA	NA	NA NA
Acrylonitrile	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
Benzene Bromodiahlaramathana	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
Bromodichloromethane Bromoform	ND(0.0050) ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
Bromomethane	ND(0.0030)	NA NA	NA NA	NA NA	NA NA	NA NA
Carbon Disulfide	ND(0.0020) 3	NA NA	NA NA	NA NA	NA NA	NA NA
Carbon Tetrachloride	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
Chlorobenzene	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
Chloroethane	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
Chloroform	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
Chloromethane	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
cis-1,3-Dichloropropene	ND(0.0050)	NA	NA NA	NA NA	NA NA	NA NA
Dibromochloromethane	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
Dibromomethane	ND(0.0050)	NA	NA	NA	NA	NA
Dichlorodifluoromethane	ND(0.0050) J	NA	NA	NA	NA	NA
Ethyl Methacrylate	ND(0.0050) J	NA	NA	NA	NA	NA
Ethylbenzene	ND(0.0050)	NA	NA	NA	NA	NA
Iodomethane	ND(0.0050)	NA	NA	NA	NA	NA
Isobutanol	ND(0.10)	NA	NA	NA	NA	NA
Methacrylonitrile	ND(0.0050)	NA	NA	NA	NA	NA
Methyl Methacrylate	ND(0.0050)	NA	NA	NA	NA	NA
Methylene Chloride	ND(0.0050)	NA	NA	NA	NA	NA
Propionitrile	ND(0.010)	NA	NA	NA	NA	NA
Styrene	ND(0.0050)	NA	NA	NA	NA	NA
Tetrachloroethene	ND(0.0020)	NA	NA	NA	NA	NA
Toluene	ND(0.0050)	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	ND(0.0050)	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	ND(0.0050)	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	ND(0.0050)	NA	NA	NA	NA	NA
Trichloroethene	ND(0.0050)	NA	NA	NA	NA	NA
Trichlorofluoromethane	ND(0.0050) J	NA	NA	NA	NA	NA
Vinyl Acetate	ND(0.0050)	NA	NA	NA	NA	NA
Vinyl Chloride	ND(0.0020)	NA	NA	NA	NA	NA
Xylenes (total)	ND(0.010)	NA	NA	NA	NA	NA
Total VOCs	ND(0.20)	NA	NA	NA	NA	NA

Site ID	East St. Are	a 1 - South	East St. Ar	ea 2 - North	East St. Are	ea 2 - South
Sample ID:	GMA1-6	MW-139R	ES1-27R	ES1-5	E2SC-23	E2SC-24
Parameter Date Collected:	04/04/06	04/14/06	04/03/06	04/03/06	04/04/06	04/05/06
PCBs-Filtered						
Aroclor-1016	ND(0.000065)	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)	ND(0.000065)
Aroclor-1232	ND(0.000065)	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)	ND(0.000065)
Aroclor-1248	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1254	ND(0.000065)	0.00015	0.00028	0.00021	0.0021	0.00053
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.00011	0.00059	ND(0.000065)
Total PCBs	ND(0.000065)	0.00015	0.00028	0.00032	0.00269	0.00053
Semivolatile Organics						
1,2,4-Trichlorobenzene	ND(0.0050)	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ND(0.0050)	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ND(0.0050)	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ND(0.0050)	NA	NA	NA	NA	NA
Naphthalene	ND(0.0050)	NA	NA	NA	NA	NA
Inorganics-Filtered						
Cyanide-MADEP (PAC)	NA	NA	NA	NA	NA	ND(0.0100)

	Site ID			East St.	Area 2 - South			Lyman Street Area
	Sample ID:	ES2-02A	ESA2S-52	ESA2S-64	GMA1-13	HR-G1-MW-3	HR-G3-MW-1	LS-29
Parameter	Date Collected:	04/05/06	04/04/06	04/04/06	04/03/06	04/06/06	04/06/06	04/05/06
Volatile Organics								
1,1,1,2-Tetrachlord	ethane	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroetha	ine	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachlord	ethane	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroetha	ine	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane)	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene)	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloroprop	pane	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chlo	oropropane	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	9	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane)	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropar	ne	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane		NA	NA	NA	NA	NA	NA	NA
2-Butanone		NA	NA	NA	NA	NA	NA	NA
2-Chloro-1,3-butad	liene	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyle	ether	NA	NA	NA	NA	NA	NA	NA
2-Hexanone		NA	NA	NA	NA	NA	NA	NA
3-Chloropropene		NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentano	one	NA	NA	NA	NA	NA	NA	NA
Acetone		NA	NA	NA	NA	NA	NA	NA
Acetonitrile		NA	NA	NA	NA	NA	NA	NA
Acrolein		NA	NA	NA	NA	NA	NA	NA
Acrylonitrile		NA	NA	NA	NA	NA	NA	NA
Benzene		NA	NA	NA	NA	NA	NA	NA
Bromodichloromet	hane	NA	NA	NA	NA	NA	NA	NA
Bromoform		NA	NA	NA	NA	NA	NA	NA
Bromomethane		NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide		NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachlori	de	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene		NA	NA	NA	NA	NA	NA	NA
Chloroethane		NA	NA	NA	NA	NA	NA	NA
Chloroform		NA	NA	NA	NA	NA	NA	NA
Chloromethane		NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropro	•	NA	NA	NA	NA	NA	NA	NA
Dibromochloromet	nane	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	d	NA NA	NA	NA NA	NA NA	NA	NA NA	NA NA
Dichlorodifluorome		NA NA	NA	NA NA	NA NA	NA	NA NA	NA NA
Ethyl Methacrylate		NA NA	NA	NA NA	NA NA	NA	NA NA	NA NA
Ethylbenzene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Iodomethane			NA NA					NA NA
Isobutanol Methacrylonitrile		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Methyl Methacrylat	to.	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Methylene Chloride		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Propionitrile	3	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Styrene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Tetrachloroethene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Toluene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
trans-1,2-Dichloroe	othene	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
trans-1,3-Dichlorog		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
trans-1,4-Dichloro-		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Trichloroethene	Z DUIGIIG	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Trichlorofluorometh	nane	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Vinyl Acetate	iano	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Vinyl Chloride		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Xylenes (total)		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Total VOCs		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
10101 1003		14/7	14/7	14/7	L 11/7	14/7	14/7	14/7

Site I	D		East St.	Area 2 - South			Lyman Street Area
Sample IE Parameter Date Collected		ESA2S-52 04/04/06	ESA2S-64 04/04/06	GMA1-13 04/03/06	HR-G1-MW-3 04/06/06	HR-G3-MW-1 04/06/06	LS-29 04/05/06
PCBs-Filtered							
Aroclor-1016	NA	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1221	NA	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1232	NA	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1242	NA	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	NA	NA	0.00022	NA	ND(0.00046)	0.0010
Aroclor-1260	NA	NA	NA	ND(0.000065)	NA	0.00042	ND(0.000065)
Total PCBs	NA	NA	NA	0.00022	NA	0.00042	0.0010
Semivolatile Organics							
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered							
Cyanide-MADEP (PAC)	0.00540 B	0.00550 B	0.00370 B	NA	0.00600 B	NA	NA

Site ID		Lyman Sti	reet Area		Newell S	St. Area II
Sample ID:	LS-MW-4R	LSSC-08S	LSSC-16S	LSSC-18	N2SC-07S	NS-17
Parameter Date Collected:	04/07/06	04/05/06	04/06/06	04/07/06	04/07/06	04/07/06
Volatile Organics			•			
1,1,1,2-Tetrachloroethane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,1-Dichloroethane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,1-Dichloroethene	ND(0.0010)	NA	ND(0.0010)	NA	0.0035	ND(0.0010)
1,2,3-Trichloropropane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,2-Dibromoethane	ND(0.0010)	NA	ND(0.0010)	NA	ND(0.0010)	ND(0.0010)
1,2-Dichloroethane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,2-Dichloropropane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,4-Dioxane	ND(0.20) J	NA	ND(0.20) J	NA	ND(0.20) J	ND(0.20) J
2-Butanone	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
2-Chloro-1,3-butadiene	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
2-Chloroethylvinylether	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
2-Hexanone	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
3-Chloropropene	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Acetone	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Acetonitrile	ND(0.10) J	NA NA	ND(0.10) J	NA	ND(0.10) J	ND(0.10) J
Acrolein	ND(0.10)	NA NA	ND(0.10)	NA	ND(0.10)	ND(0.10)
Acrylonitrile	ND(0.0050)	NA NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Benzene	0.0072	NA NA	ND(0.0050)	NA	0.012	0.0027 J
Bromodichloromethane	ND(0.0050)	NA NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Bromoform	ND(0.0050)	NA NA	ND(0.0050)	NA NA	ND(0.0050)	ND(0.0050)
Bromomethane Carbon Disulfide	ND(0.0020) ND(0.0050)	NA NA	ND(0.0020) ND(0.0050)	NA NA	ND(0.0020) ND(0.0050)	ND(0.0020) ND(0.0050)
Carbon Distillide Carbon Tetrachloride	ND(0.0050) J	NA NA	ND(0.0050)	NA NA	ND(0.0050) ND(0.0050) J	ND(0.0050) J
Chlorobenzene	ND(0.0050)	NA NA	ND(0.0050)	NA NA	0.058	0.019
Chloroethane	ND(0.0050)	NA NA	ND(0.0050)	NA NA	ND(0.0050)	ND(0.0050)
Chloroform	ND(0.0050)	NA NA	0.0027 J	NA NA	ND(0.0050)	ND(0.0050)
Chloromethane	ND(0.0050)	NA NA	ND(0.0050)	NA NA	ND(0.0050)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.0050)	NA NA	ND(0.0050)	NA NA	ND(0.0050)	ND(0.0050)
Dibromochloromethane	ND(0.0050)	NA NA	ND(0.0050)	NA NA	ND(0.0050)	ND(0.0050)
Dibromomethane	ND(0.0050)	NA	ND(0.0050)	NA NA	ND(0.0050)	ND(0.0050)
Dichlorodifluoromethane	ND(0.0050) J	NA	ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J
Ethyl Methacrylate	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Iodomethane	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Isobutanol	ND(0.10)	NA	ND(0.10)	NA	ND(0.10)	ND(0.10)
Methacrylonitrile	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Methyl Methacrylate	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.010)	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Styrene	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Tetrachloroethene	ND(0.0020)	NA	0.0048	NA	ND(0.0020)	ND(0.0020)
Toluene	ND(0.0050)	NA	ND(0.0050)	NA	0.0016 J	ND(0.0050)
trans-1,2-Dichloroethene	ND(0.0050)	NA	ND(0.0050)	NA	0.0037 J	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Trichloroethene	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050) J	NA	ND(0.0050) J	NA	ND(0.0050) J	ND(0.0050) J
Vinyl Acetate	ND(0.0050)	NA	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Vinyl Chloride	ND(0.0020)	NA	ND(0.0020)	NA	0.49	0.030
Xylenes (total)	0.0082 J	NA	ND(0.010)	NA	ND(0.010)	ND(0.010)
Total VOCs	0.015 J	NA	0.0075 J	NA	0.57	0.052 J

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

	Site ID		Lyman Stre	eet Area		Newell St	. Area II
	Sample ID:	LS-MW-4R	LSSC-08S	LSSC-16S	LSSC-18	N2SC-07S	NS-17
Parameter	Date Collected:	04/07/06	04/05/06	04/06/06	04/07/06	04/07/06	04/07/06
PCBs-Filtered							
Aroclor-1016		ND(0.000065)	ND(0.000065)	NA	ND(0.00025)	ND(0.000065)	NA
Aroclor-1221		ND(0.000065)	ND(0.000065)	NA	ND(0.00025)	ND(0.000065)	NA
Aroclor-1232		ND(0.000065)	ND(0.000065)	NA	ND(0.00025)	ND(0.000065)	NA
Aroclor-1242		ND(0.000065)	ND(0.000065)	NA	ND(0.00025)	ND(0.000065)	NA
Aroclor-1248		ND(0.000065)	0.0014	NA	ND(0.00025)	ND(0.000065)	NA
Aroclor-1254		ND(0.000065)	0.0018	NA	0.0048	ND(0.000084)	NA
Aroclor-1260		ND(0.000065)	ND(0.000065)	NA	0.0014	ND(0.000065)	NA
Total PCBs		ND(0.000065)	0.0032	NA	0.0062	ND(0.000084)	NA
Semivolatile Orga	nics						
1,2,4-Trichlorobenz	zene	NA	NA	ND(0.0050)	NA	NA	NA
1,2-Dichlorobenzer	ne	NA	NA	ND(0.0050)	NA	NA	NA
1,3-Dichlorobenzer	ne	NA	NA	ND(0.0050)	NA	NA	NA
1,4-Dichlorobenzer	ne	NA	NA	ND(0.0050)	NA	NA	NA
Naphthalene		NA	NA	ND(0.0050)	NA	NA	NA
Inorganics-Filtere	ed						
Cyanide-MADEP (I	PAC)	NA	NA	NA	NA	NA	NA

Notes:

- 1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs (filtered), selected semivolatiles and cyanide (filtered).
- 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. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

Inorganics

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

Appendix B

Field Sampling Data



				Samp	pling Me	ethod				
Well ID	Fall	Spring		Spring		Spring	Fall	Fall	Spring	Comments
	2001	2002	2002	2003	2003	2004	2004	2005	2006	
RAA 2 - 30s COM	IPLEX									
RF-02	SP	PP	PP	BP	NS	PP	NS	PP	PP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004.
RF-16	PP	BP	PP	BP	NS	BP	NS	ВР	ВР	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004.
RAA 4 - EAST ST	TREET AF	RFA 2-S0	OUTH							
95-09/GMA1-13	BA	PP/BA	NS	PP	BP	BP	NS	BP	BP	Spring 2003: Well 95-9 replaced by well GMA1-13 Fall 2002: Well damaged - no sample collected. Fall 2001: Field parameters not collected.
E2SC-23	SP/PP/B	PP/BA	PP	BP	NS	BP	NS	BP	BP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004. Fall 2002: Well dried during purging. Several visits required to collect sample volume.
E2SC-24	SP	PP/BA	PP	BP	NS	BP	NS	BP	BP	Fall 2001: Submersible pump malfunction, change to peristaltic pump. Well purged dry, samples collected after recharge - multiple visits required (bailer used for VOC collection). Spring 2004: Initial sample analysis canceled due to extremely low surrogate recoveries. A
E230-24	35	PP/DA	FF	DF	NS	DF	NS	БР	DF	second sample was collected and analyzed. Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004. Fall 2001: Slightly turbid (<50 NTU)
ES2-02A	SP	BP	PP	BP	NS	ВР	NS	BP	BP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004. Fall 2001: Unable to get turbidity below 50 NTU.
ESA2S-52	PP	PP/BA	PP	PP	NS	PP	NS	PP	PP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004. Fall 2002: Well officially added to monitoring program in place of well ES2-17. Fall 2001: Dissolved oxygen meter malfunction.
ESA2S-64	SP	BP	PP	BP	NS	NS	NS	NS	BP	Fall 2001 - Spring 2002: Well sampled as supplemental monitoring point. Spring 2006: Supplemental sampling performed. Fall 2003-Fall2005: No sample collected - baseline monitoring complete, not proposed for additional sampling under interim monitoring program. Fall 2002: Petroleum odor and sheen observed. Fall 2001: Unable to get turbidity below 50 NTU.
HR-G1-MW-3	SP	PP	PP	BP	BP	BP	NS	BP	BP	Fall 2003: River elevation very high, water near base of well. Spring 2002: Dissolved oxygen meter malfunction. Fall 2001: Unable to get turbidity below 50 NTU.

Well ID HR-G3-MW-1 RAA 5 - EAST STRE ES1-05 ES1-27R RAA 6 - EAST STRE ES1-08	Fall 2001 SP EEET AF BA	PP REA 2-NO	2002 PP	Spring 2003 BP	Fall 2003 BP	Spring 2004 BP	Fall 2004 NS	Fall 2005 BP	Spring 2006 BP	Comments Spring 2006: Barely able to get turbidity below 50 NTU (49 NTU at time of sampling).
HR-G3-MW-1 RAA 5 - EAST STRE ES1-05 ES1-27R RAA 6 - EAST STRE	SP REET AF	PP REA 2-NO	PP ORTH							Spring 2006: Baraly able to get turbidity below 50 NTLL (40 NTLL at time of campling)
ES1-05 ES1-27R RAA 6 - EAST STRE										Fall 2001: Pump malfunction during sample collection, was briefly shut down.
ES1-27R RAA 6 - EAST STRE	BA	BP	SP							
RAA 6 - EAST STRE			OI.	BP	BP	BP	NS	BP	BP	Spring 2003: Portion of well casing broken. Fall 2002: Well almost dry - unable to get turbidity below 50 NTU. Spring 2002: Well casing broken at top. Fall 2001: Field parameters not collected.
	SP	BP	PP	BP	NS	BP	NS	BP	BP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004. Fall 2002: Dissolved oxygen meter malfunction.
FS1-08	EET AF	REA 1-NO	ORTH							
	PP	PP	PP	NS	NS	NS	NS	NS	NS	Spring 2003: Well removed from baseline program (replaced by well ESA1S-33). Fall 2002: LNAPL present (removed prior to sampling). Well dried several times during sampling. Spring 2002: LNAPL present (removed prior to sampling). Fall 2001: LNAPL present (removed prior to sampling). Well dried several times during sampling.
ES1-14	PP	PP	PP	PP	NS	NS	NS	NS	NS	Spring 2004: No sample collected due to property access issue - well to be replaced by well GMA1-18 for future interim monitoring events. Fall 2003: No sample collected - additional sampling under interim monitoring program scheduled to resume in spring 2004. Fall 2002: Dissolved oxygen meter malfunction. Well dried several times during sampling, unable to measure water levels during purging Spring 2002: Slightly turbid (<50 NTU), unable to measure water levels during purging. Fall 2001: Well purged dry. Sample collected after recharge.
ESA1N-52	PP	PP	PP	PP	NS	PP	NS	PP	PP	Spring 2006: LNAPL present (removed prior to sampling). Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004. Spring 2003: Sheen observed, Fall 2002: Slight sheen observed, Spring 2002: LNAPL present (removed prior to sampling). Fall 2001: LNAPL present (removed prior to sampling).
RAA 12 - LYMAN ST	TREET									
LS-29	SP	BP	NS	PP	PP	PP	NS	PP	PP	Spring 2003: Pump type changed from bladder pump to peristaltic pump.

				Samp	oling Me	thod				
Well ID	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Fall	Spring	Comments
	2001	2002	2002	2003	2003	2004	2004	2005	2006	
LSSC-08S	PP	BP	PP	BP	NS	BP	NS	BP	BP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004.
										Fall 2001: Turbidity meter malfunction. Samples visually clear.
LSSC-16S	SP	PP/BA	PP	BP	NS	BP	NS	BP	BP	Spring 2006: Barely able to get turbidity below 50 NTU (42 NTU at time of sampling). Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004.
										Spring 2003: Tubidity relatively high (40 NTU); did not reduce at very low pumping rate. Trace sheen observed during initial purge, not present at time of sampling.
LSSC-18	SP/PP	PP/BA	PP	BP	NS	BP	NS	BP	BP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004. Fall 2001: Turbidity meter malfunction. Samples visually clear. Submersible pump
										malfunction during sample collection, change to peristaltic pump for PCDD/PCDF collection.
MW-4/MW-4R	PP	PP	PP	PP	NS	PP	PP	PP	PP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume at replacement well MW-4R in spring 2004. Spring 2003: Well cap missing - replaced.
										Fall 2002: Turbidity meter malfunction. Samples visually clear.
RAA 13 - NEWEL		T AREA								
N2SC-07S	SP	BP	PP	BP	BP	BP	NS	BP	BP	Spring 2002: Dissolved oxygen meter malfunction. Fall 2001: Dissolved oxygen meter malfunction.
NS-17	SP	PP/BA	PP	PP	PP	PP	NS	PP	PP	
RAA 18 - EAST S	TREET A	REA 1 S	SOUTH							
ESA1S-33	NS	NS	NS	PP	NS	NS	NS	NS	NS	Spring 2004: No sample collected - well to be replaced by well 72R for future interim monitoring events. Fall 2003: No sample collected - additional sampling under interim monitoring program scheduled to resume in spring 2004.
										Spring 2003: Well added to monitoring program in place of well ES1-8. Turbidity >50 NTU, not reducing at minimum pumping rate. Will use bladder pump for future sampling events.
72R	NS	NS	NS	NS	NS	NS	PP	BP	BP	Fall 2004: Well added to interim monitoring program in place of well ESA1S-33.

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

				Samp	oling Me	ethod				
Well ID	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Fall	Spring	Comments
	2001	2002	2002	2003	2003	2004	2004	2005	2006	
ESA1S-139/139R	PP	PP	BP/BA	PP	NS	NS	PP	PP	PP	Spring 2006: pH meter malfunction.
										Spring 2004: No sample collected - well to be replaced by well 139R for future interim
										monitoring events.
										Fall 2003: No sample collected - additional sampling under interim monitoring program
										scheduled to resume in spring 2004.
										Fall 2002: Well dried during purging with bladder pump. Several visits required to collect
										sample volume with bailer.
										Fall 2001: Well purged dry. Sample collected after recharge.
GMA1-6	PP	PP	PP	PP	NS	PP	NS	PP	PP	Fall 2003: No sample collected - additional sampling under interim monitoring program to
GIVIA 1-0	FF	FF	FF	FF	NO	FF	INO	FF	FF	resume in spring 2004.
GMA1-18	NS	NS	NS	NS	NS	NS	BP	BP	BP	Fall 2004: Well GMA1-18 added to interim monitoring program in place of well ES1-14.

NOTES:

BP - Bladder Pump

PP - Peristaltic Pump

SP - Submersible Pump

BA - Bailer

PP/BA - Peristaltic Pump with Bailer used for VOC sample collection

NS - Not Sampled

Key No PID Ba	o. RF - o. NA o. Karound (ppm	1)			Site/GMA Name pling Personnel Date	4/6/0	6		
				-	Weather	Overe	ast, 350	E, Windy	
WELL INFOR	coma i ron ice Point Marked	2 0 "						16:00	
	f Reference Poi	· · · · · · · · · · · · · · · · · · ·	Mana Farm	Ground	\			RF-02	
r roight o	Well Diamete		Weas, From	Drown	3		Duplicate ID		
Scre	en Interval Dept		Meas From	Ground	4		MS/MSD		
	Vater Table Dept		Meas. From	316	_		Split Sample ID		
		18.44	Meas. From	FIL	_	Required	Analytica	il Parameters:	Callantad
Length	of Water Colum					()		s (Std. list)	Collected
Volume	of Water in We	8.46 g	J)ons			6 30		(Exp. list)	()
Intake Depth	of Pump/Tubin	9 12'	Meas, From	TIL		()		VOCs	(*)
						()		is (Total)	()
	int Identification:					(X)		(Dissolved)	
TIC: Top of In	ner (PVC) Casir	ng				()		rganics (Total)	(🔀)
	Outer (Protective) Casing				()		anics (Dissolved)	(-)
Grade/BGS: (Ground Surface					()	EPA Cyan	ide (Dissolved)	()
2						()	PAC Cyan	ide (Dissolved)	()
Redevelop?	YW					()	PCDI	0s/PCDFs	()
						()	Pesticide	s/Herbicides	()
						()	Natural	Attenuation	()
FVACISATION	INFORMATION					()	Other	(Specify)	()
	Pump Start Time								
	ump Stop Time		-						
	utes of Pumping	1	-		Evacuation Me				
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D	id Well Go Dry?	Y (N)	70			Geo Pu	athod as evacuation	- (2)	
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		Neter Type(s) / S	Serial Numbers:	YS1-53				rbidin eter	
		Meter Type(s) / S	Gerial Numbers:	YS1~ 53				0 11	
Time	Pump Rate				6 MPS,	Hach z	2100P Tu	rbidineter	
Time	Water Quality M	Total	Water	Temp.	6 MPS,	Hack Z	Turbidity	rbidin eter	ORP
14:35	Pump Rate (L/min.)	Total Gallons	Water Level	Temp. (Celsius)	DH PH	Sp. Cond.	Turbidity (NTU)	po (mg/l)	ORP (mV)
14:35 14:45	Pump Rate (Limin.) jounl	Total Gallons Removed O.13 O.40	Water Level. (ft TIC) 5.73 5.51	Temp. (Celsius) [3%]*	DH PH	Hack 7	Turbidity (NTU) [10% or 1 NTU]*	po (mg/l)	ORP (mV)
14:35 14:45 14:50	Pump Rate (L/min.) JOOM 100m	Total Gallons Removed O.13 O.40 O-53	Water Level (ft TIC) 5.73 5.51 5.51	Temp. (Cetaius) [3%]* - 8.21	[0.1 units]* [0.7 1 6.50	Hach 7 "Sp. Cond. (mS/em) [3%]* - 1-750 1-754	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
14:35 14:45 14:50 14:55	Pump Rate (Limin.) JOOm 100m JOOm JOOm JOOm JOOm JOOm JOOm JOOM	Total Gailons Removed 0.13 0.40 0.53 0.66	Water Level. (ft TIC) 5.73 5.51 5.51	Temp. {Celsius} [3%]* - 8.21 8.27 8.25	[0.1 units]* [0.7 1] [0.50]	Hack 7 (ms/cm) [3%]* 1-750 1-750 1-760	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
14:35 14:45 14:50 14:55 15:00	Pump Rate (L/min.) 100m 100m 100m 100m 100m 100m	Total Gallons Removed ().13 ().40 ().53 ().66 ().79	Water Level. (ft TIC) 5.73 5.51 5.51 5.51 5.51	Temp. (Cetaius) [3%]*	[0.1 units]* [0.7 1 [0.50] [0.50]	Hack 7 Sp. Cond. (mS/cm) [3%]* - 1-750 1-750 1-763	Turbidity (NTU) [10% or 1 NTU]* / 0 8	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
14:35 14:45 14:50 14:55 15:00 15:05	Pump Rate (L/min.) JOOm! JOOm! JOOm! JOOm! JOOm! JOOm! JOOm!	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92	Water Level (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51	Temp. (Cetaius) [3%]* 8.21 8.27 8.25 8.09 7.94	[0.1 units]* [0.7 1] [6.50] [6.50] [6.49]	Hach 7 Sp. Cond. (mS/cm) [3%]* 1-750 1-750 1-763 1-763	Turbidity (NTU) [10% or 1 NTU]* /0 8 8 9	DO (mg/l) [10% or 0.1 mg/l]* 6.50 1.83	ORP (mV) [10 mV]* ————————————————————————————————————
14:35 14:45 14:50 14:55 15:00 15:05	Pump Rate (L/min.) 100m 100m 100m 100m 100m 100m 100m 100m 100m	Total Gallons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51	Temp. (Cotsius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96	pH [0.1 units]* - 6.71 6.50 6.50 6.50 6.51	Hach 7 Sp. Cond. (mS/em) [3%]* 1-750 1-759 1-763 1-765 1-765	Turbidity (NTU) [10% or 1 NTU]* //	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* ————————————————————————————————————
14:35 14:45 14:50 14:55 15:00 15:05 15:10	Pump Rate (L/min.) 100m	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19	Water Level. (ft TIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.51 5.51	Temp. (Coisius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* /0 8 8 9 7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 /97.4 /90.8 /82.0
14:35 14:45 14:50 14:55 15:00 15:15 15:10	Pump Rate (L/min.) OOm	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutive consecutive)	Temp. (Coisius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* /0 8 8 9 7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3
14:35 14:45 14:50 14:55 15:00 15:10 15:15 The stabilization	Pump Rate (L/min.) 100m	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutivities	Temp. (Colsius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92 utive readings of	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* //	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3
14:35 14:45 14:50 14:55 15:00 15:10 15:15 The stabilization	Pump Rate (L/min.) 100m	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutivities	Temp. (Colsius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92 utive readings of	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* /0 8 8 9 7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3
14:35 14:45 14:50 14:55 15:00 15:10 15:15 The stabilization	Pump Rate (L/min.) 100m	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutivities	Temp. (Colsius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92 utive readings of	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* /0 8 8 9 7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3
14:35 14:45 14:50 14:55 15:00 15:10 15:15 The stabilization	Pump Rate (L/min.) 100m	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutive consecutive)	Temp. (Colsius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92 utive readings of	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* /0 8 8 9 7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3
14:35 14:45 14:50 14:55 15:00 15:10 15:15 The stabilization	Pump Rate (L/min.) 100ml	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutivities	Temp. (Colsius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92 utive readings of	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* /0 8 8 9 7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3
14:35 14:45 14:50 14:55 15:00 15:15 'The stabilization OBSERVATION Tribal F	Pump Rate (L/min.) 100m 100m	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutivities	Temp. (Colsius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92 utive readings of	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* /0 8 8 9 7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3
14:35 14:45 14:45 14:50 14:55 15:00 15:05 15:15 The stabilization Thirtilal Final Final Laboratory:	Pump Rate (L/min.) 100ml	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutivities	Temp. (Colsius) [3%]* - 8.21 8.27 8.25 8.09 7.94 7.96 7.92 utive readings of	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hack 3 Sp. Cond. (mS/em) [3%]* 1-750 1-750 1-763 1-763 1-765 1-763	Turbidity (NTU) [10% or 1 NTU]* // 8 8 9 9 Is) is listed in each	DO (mg/l) [10% or 0.1 mg/l]* 6.50 1.83 1.16 0.93 0.80 0.74 0.69 column heading.	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3
14:35 14:45 14:50 14:55 15:00 15:15 'The stabilization OBSERVATION Tribal F	Pump Rate (L/min.) 100ml	Total Gailons Removed 0.13 0.40 0.53 0.66 0.79 0.92 1.06 1.19 ch field paramet	Water Level. (RTIC) 5.73 5.51 5.51 5.51 5.51 5.51 5.52 er (three consecutivities	Temp. (Coisius) [3%]* 8.21 8.27 8.25 8.09 7.94 7.96 7.92 utive readings of	[0.1 units]* [0.1 units]* [0.7 1] [0.50] [0.50] [0.50] [0.50] [0.49] [0.51]	Hach 7 Sp. Cond. (ms/cm) [3%]* 1-750 1-750 1-763 1-765 1-763 5-minute interva	Turbidity (NTU) [10% or 1 NTU]* // 8 8 9 9 Is) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* 205.2 203.3 197.4 190.8 182.0 173.3

Well No. RF-OZ	
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Site/GMA Name GE P: #sfill - GMA-1
Sampling Personnel GAR / KAK

Date 4/6/06
Weather Overcust, 350F, Windy

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
15.20	100ml	1.32	5.53	7.97	6.50	1.767	8	0.63	157.7
15:25	100ml	1.45	5.51	8.07	6.51	1.765	9	0.59	149.8
15:30	100 ml	1-59	5-51	8.12	6.52	1.767	. 9	0.55	142.2
15:35	100 ml	1.72	5.51	8.11	6.53	1.770	8	0.52	135.3
15:40	100ml	1.85	5.51	8.08	6.53	1-774	7	0.50	129.4
15:45	100 ml	1.98	5-51	8.01	6.53	1.772	8	0.49	123.5
15:50	100 ml	2.11	5.52	7.98	6.53	1.775	8	0.48	118.2
15:55	100ml	2-25	5.51	8.02	6.53	1.777	8		113.5
	• .								
	·								
		SE.			- 85	· · ·		100	
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I he 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	

Well No	RF-	16		_ :	Site/GMA Name	GEP	Hsfill -	-GMA-1	
Key No.	. NA				ding Personne				
PID Bad	ckground (ppm) 0			Date		4		
Well He	sadspace (ppm) 0		_	Weather			snow, 350	F. Luino
WELL INFOR	ARATION!						,	,	,
	ma i iON ce Point Marked	? Y (N)						12:35	
	Reference Poir	_ ^ ~	I Mana Farm	Cur. w.l				RF-16	
rieigitt of	Well Diamete		Weas. From	Ground			Duplicate ID		
	• •			c			MS/MSD		
	en Interval Dept ater Table Dept			Ground	_		Split Sample ID		
VY			Meas. From	TIL	-				
l on other		h <u>20.84'</u>	Meas, From	116	-	Required	Analytica	l Parameters:	Collected
	of Water Colum		-11			()	VOCs	s (Std. list)	()
	of Water in We					(5 /		(Exp. list)	()
таке рери	of Pump/Tubin	g_/5.2*	Meas. From	116	-	()		VOCs	()
Deference Dei	-414					()		s (Total)	()
	nt Identification:					()	PC8s ((Dissolved)	()
	ner (PVC) Casir	•				()	Metals/Ino	rganics (Total)	()
	Outer (Protective	a) Casing				()	Metals/Inorga	anics (Dissolved)	()
Grade/BGS: G	Bround Surface					()	EPA Cyani	ide (Dissolved)	()
						(X)	PAC Cyani	ide (Dissolved)	(*)
Redevelop?	Y					()	PCDD)s/PCDFs	()
						()	Pesticide	s/Herbicides	()
						()	Natural .	Attenuation	()
						()	Other	(Specify)	()
	ump Stop Time				Evacuation Me			Pump (X)	
Minu Volume of V	Ites of Pumping Vater Removed id Well Go Dry?	55 1.5 gallo		YSI -5	Peristattic Pun Pump Type: Samples collec	mp () Su Marscha cted by same me	thmersible Pump (IK Jystew athod as evacuation) Other/Spe	y)
Minu Volume of V	Ites of Pumping Vater Removed id Well Go Dry?	55 1-5 9 6 110 Y (N) Weter Type(s) / S	Serial Numbers:		Peristatic Pun Pump Type: Samples collect	Marscheted by same me	the system of th	Oncom? N (special	y)
Minu Volume of V Di	Ites of Pumping Vater Removed id Well Go Dry? Water Quality I	55 /-5 gallo y Meter Type(s)/S	Serial Numbers:	Temp.	Peristattic Pun Pump Type: Samples collec	Marscha	the sum of	Onc One (special Turbiblion)	ORP
Minu Volume of V	vater Removed and Well Go Dry? Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater	755 /-5 96/10 Y Meter Type(s)/S Total Gallons	Serial Numbers: Water	Temp. (Celsius)	Peristattic Pum Pump Type: Samples coller	Marscha	the pump (NK System at the day of the sevacuation as evacuation as evacu	Oncom? N (special Tu-billion) DO (mg/l)	ORP
Minu Volume of V Di	vater Removed id Well Go Dry? Water Quality No. 10 Pump Rate (L/min.)	755 1.5 96 10 Y Weter Type(s) / S Total Gallons Removed	Water Level (ft TIC)	Temp.	Peristatic Pun Pump Type: Samples collect	Sp. Cond. [3%]*	thmersible Pump (NK System athod as evacuation ZIDDP Turbidity (NTU) [10% or 1 NTU]	Onc One (special Turbiblion)	ORP
Minu Volume of V Di	water Quality Mater (L/min.)	J.5 9 allo Y N Meter Type(s)/S Gallone Removed O.13	Water Level (ft TIC)	Temp. (Celsius) [3%]*	Peristattic Pum Pump Type: Samples coller SUMPS pH [0.1 units]*	Sp. Cond. [3%]*	bmersible Pump (NK System athod as evacuation Z100P Turbidity (NTU) [10% or 1 NTU]*	On (ORP (mV) [10 mV]*
Minu Volume of V	water Quality Nater Quality Nater Quality Nater Quality Nater Quality Nater Quality Nater Quality Nate (L/min.)	J.5 gallo y Meter Type(s)/S Total Gallons Removed D.13 D.40	Water Level (ft TIC) 9 - 46 9 - 48	Temp. (Cotsius) [3%]*	Peristattic Pum Pump Type: Samples colled SUMP pH [0.1 units]*	mp () Su Maysch Cted by same me Mach "Sp. Cond. — (mS/cm) [3%]" — 1.134	the pump (NK System at the day of the sevacuation as evacuation as evacu	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)
Minu Volume of V Di	vater Removed de Well Go Dry? Water Quality Mater Quality Mater Quality Mater Quality Mater (L/min.) 100 m	Joseph Policy (S) / S gallons Removed (J. 13)	Water Level (ft TIC) 9.46 9.48	Temp. (Cotsius) [3%]* 7.50 7.46	Peristattic Pum Pump Type: Samples coller SUMPS pH [0.1 units]*	Sp. Cond. [3%]*	bmersible Pump (NK System athod as evacuation Z100P Turbidity (NTU) [10% or 1 NTU]*	On (ORP (mV) [10 mV]*
Minu Volume of V Di	vater Removed de Well Go Dry? Water Quality Mater Quality Mater Quality Mater Quality Mater (L/min.) 100 m	J.5 gallo y Meter Type(s)/S Total Gallons Removed D.13 D.40	Water Level (ft TIC) 9.46 9.48 9.48	Temp. (Coisius) [3%]* 7.50 7.46 7.49	Peristattic Pum Pump Type: Samples colled SUMP pH [0.1 units]*	mp () Su Maysch Cted by same me Mach "Sp. Cond. — (mS/cm) [3%]" — 1.134	the pump (NK System at the day of the sevacuation as evacuation as evacu	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Minu Volume of V Di Time 11: 55 12:10 12:15 12:15 12:20	vater Removed de Well Go Dry? Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater (L/min.) 100 m 1	Joseph Policy (S) / S gallons Removed (J. 13)	Water Level (ft TIC) 9.46 9.48	Temp. (Cotsius) [3%]* 7.50 7.46	Peristattic Pum Pump Type: Samples collect SL M P3 pH [0.1 units]*	Marsch Su Marsch Su Marsch Marsch March Sp. Cond. Sp. Cond. (mS/cm) (3%)" -	binersible Pump (NK System of the System of	Onc Other/Special Onc On	ORP (mV) [10 mV]*
Minu Volume of V Di Time 11: 55 12:10 12:15 12:15 12:20	vater Removed de Well Go Dry? Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater (L/min.) 100 m 1	55 1.5 96/10 Y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66	Water Level (ft TIC) 9.46 9.48 9.48	Temp. (Coisius) [3%]* - 7.50 7.46 7.49 7.60	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]*	Su Mars characted by same mes Hack Sp. Cond. (mS/cm) [3%]* 1.134 1.141 1.143	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71	ORP (mV) [10 mV]* - /84.8 /93.1
Minu Volume of V Di Time //: 55 /2: 05 /2: 10 /2: 20 /2: 25	vater Removed de Well Go Dry? Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater (L/min.) 100 m 1	55 1.5 96/10 Y (1) Weter Type(s)/S Gallons Removed 0.13 0.40 0.52 0.66 0.79	Water Level (ft TIC) 9.46 9.48 9.48 9.48	Temp. (Coisius) [3%]* - 7.50 7.46 7.49 7.60	Peristattic Pum Pump Type: Samples colled SL M P3 pH [0.1 units]* G. 71 G. 50 G-49 G-52	Su Mar's characted by same mes Hack Sp. Cond. (ms/cm) (3%)* 1.134 1.141 1.143 1.147	binersible Pump (NK System athod as evacuation as evacuation and sevacuation at the sevac	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05	ORP (mV) [10 mV] ² /84.8 193.1 /97.0
Minu Volume of V Di Time //: \$5 /2: / 0 /2: / 5 /2: / 5 /2: / 5 /2: / 5	vater Quality in Pump Rate (L/min.) /// // // // // // // // // // // // /	55 1.5 qallo y (1) Weter Type(s)/S Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50	Temp. (Cefsius) [3%]* 7.50 7.46 7.49 7.60 7.65	Peristattic Pum Pump Type: Samples collect SL M P3 pH [0.1 units]*	mp() Su Maysch Cted by same me Mach Sp. Cond. (mS/cm) [3%]* - 1.134 1.141 1.143 1.147 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05	ORP (mV) [10 mV]* - /84.8 /93.1 /97.0 /99.9
Minu Volume of V Di Time 11:55 12:05 12:10 12:15 12:20 12:25	rites of Pumping Vater Removed id Well Go Dry? Water Quality if Pump Rate (L/min.) /OOm	55 1.5 96/10 Y Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1.06	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50	Temp. (Cefsius) [3%]* 7.50 7.46 7.49 7.60 7.65 7.74	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]* — 6.71 6.50 6.49 6.52 6.53 6.56	mp() Su Marsch. Cted by same me S Hack Sp. Cond. — (mS/cm) [3%]" — 1.134 1.141 1.143 1.147 1.148 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV]* - /84.8 /93.1 /97.0 /99.9
Minu Volume of V Di Volume of V Di V D	rites of Pumping Vater Removed id Well Go Dry? Water Quality if Pump Rate (L/min.) /OOm /OO	55 1.5 96/10 Y Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1.06	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50	Temp. (Cefsius) [3%]* 7.50 7.46 7.49 7.60 7.65 7.74	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]* — 6.71 6.50 6.49 6.52 6.53 6.56	mp() Su Marsch. Cted by same me S Hack Sp. Cond. — (mS/cm) [3%]" — 1.134 1.141 1.143 1.147 1.148 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV] ² - /84.8 /93.1 /94.0 /99.9
Minu Volume of V Di Time //: 55 /2: 05 /2: 10 /2: 20 /2: 20 /2: 30 The stabilizations	rites of Pumping Vater Removed id Well Go Dry? Water Quality if Pump Rate (L/min.) /OOm	55 1-5 quillo y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1-06 ch field paramet	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50 9.50	Temp. (Cofsius) [3%]* 7.50 7.46 7.46 7.60 7.65 7.74 utive readings of	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]* — 6.71 6.50 6.49 6.52 6.53 6.56	mp() Su Marsch. Cted by same me S Hack Sp. Cond. — (mS/cm) [3%]" — 1.134 1.141 1.143 1.147 1.148 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV]* - /84.8 /93.1 /97.0 /99.9
Minu Volume of V	rites of Pumping Vater Removed id Well Go Dry? Water Quality if Pump Rate (L/min.) /OOm	55 1-5 quillo y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1-06 ch field paramet	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50 9.50	Temp. (Cofsius) [3%]* 7.50 7.46 7.46 7.60 7.65 7.74 utive readings of	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]* — 6.71 6.50 6.49 6.52 6.53 6.56	mp() Su Marsch. Cted by same me S Hack Sp. Cond. — (mS/cm) [3%]" — 1.134 1.141 1.143 1.147 1.148 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV]* - /84.8 /93.1 /94.0 /99.9
Minu Volume of V	rites of Pumping Vater Removed id Well Go Dry? Water Quality if Pump Rate (L/min.) /OOm	55 1-5 quillo y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1-06 ch field paramet	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50	Temp. (Cofsius) [3%]* 7.50 7.46 7.46 7.60 7.65 7.74 utive readings of	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]* — 6.71 6.50 6.49 6.52 6.53 6.56	mp() Su Marsch. Cted by same me S Hack Sp. Cond. — (mS/cm) [3%]" — 1.134 1.141 1.143 1.147 1.148 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV]* - /84.8 /93.1 /94.0 /99.9
Minu Volume of V	rites of Pumping Vater Removed id Well Go Dry? Water Quality if Pump Rate (L/min.) /OOm	55 1-5 quillo y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1-06 ch field paramet	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50 9.50	Temp. (Cofsius) [3%]* 7.50 7.46 7.46 7.60 7.65 7.74 utive readings of	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]* — 6.71 6.50 6.49 6.52 6.53 6.56	mp() Su Marsch. Cted by same me S Hack Sp. Cond. — (mS/cm) [3%]" — 1.134 1.141 1.143 1.147 1.148 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV]* - /84.8 /93.1 /94.0 /99.9
Minu Volume of V	rites of Pumping Vater Removed id Well Go Dry? Water Quality if Pump Rate (L/min.) 100 m 100 m	55 1-5 quillo y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1-06 ch field paramet	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50 9.50	Temp. (Cofsius) [3%]* 7.50 7.46 7.46 7.60 7.65 7.74 utive readings of	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]*	mp() Su Marsch. Cted by same me S Hack Sp. Cond. — (mS/cm) [3%]" — 1.134 1.141 1.143 1.147 1.148 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV]* - /84.8 /93.1 /94.0 /99.9
Minu Volume of V	water Quality Mater Quality Material Mate	55 1-5 quillo y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1-06 ch field paramet	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50 9.50	Temp. (Cofsius) [3%]* 7.50 7.46 7.46 7.60 7.65 7.74 utive readings of	Peristattic Pum Pump Type: Samples colled SUMP; pH [0.1 units]*	mp() Su Marsch. Cted by same me S Hack Sp. Cond. — (mS/cm) [3%]" — 1.134 1.141 1.143 1.147 1.148 1.148	binersible Pump (NK System at the System at	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV]* - /84.8 /93.1 /94.0 /99.9
Minu Volume of V	water Quality Mater Quality Material Mate	55 1-5 quillo y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1-06 ch field paramet	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50 9.50	Temp. (Cofsius) [3%]* 7.50 7.46 7.49 7.60 7.65 7.74 utive readings of	Peristatic Pum Pump Type: Samples collected pH [0.1 units]*	mp () Su Marsch Cted by same me Mach Sp. Cond. (mS/cm) [3%]* - J. 134 J. 141 J. 143 J. 147 J. 148 J. 148 J. 148 J. 148	bmersible Pump (NK System athod as evacuation at the sevacuation at th	Onc. Onc. N (special response) N (special response) N (special response) DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV] ² - /84.8 /93.1 /94.0 /99.9 ZOZ.4 ZOY.1
Minu Volume of V	water Quality Mater Quality Material Mate	55 1-5 quillo y (1) Weter Type(s)/S Total Gallons Removed 0.13 0.40 0.52 0.66 0.79 0.92 1-06 ch field paramet	Water Level (ft TIC) 9.46 9.48 9.48 9.48 9.50 9.50 9.50	Temp. (Cofsius) [3%]* 7.50 7.46 7.49 7.60 7.65 7.74 utive readings of	Peristatic Pum Pump Type: Samples collected pH [0.1 units]*	mp () Su Marsch Cted by same me Mach Sp. Cond. (mS/cm) [3%]* - J. 134 J. 141 J. 143 J. 147 J. 148 J. 148 J. 148 J. 148	bmersible Pump (NK System athod as evacuation at the sevacuation at th	DO (mg/l) [10% or 0.1 mg/l] 7.71 7.30 7.05 6.90 6.76	ORP (mV) [10 mV]* /84.8 193.1 /94.0 /99.9 ZOZ.4 ZOY.1

Well No.	F 16	C-23				Contl	1-1		
Kou No		(α)		***	ite/GMA Name	NIM	1100		
Key No.	kground (ppm)	0		Samp	ling Personnel		1543		
	adspace (ppm)			_	Date Weather		Showers,	70°E	
	and part (ppm)			-	Woduler	-3/10/2	,		
WELL INFOR	MATION	0					Sample Time	1505	
Referenc	e Point Marked	? (Y) N						F25C-2	-3
Height of	Reference Poin	t + 2.00'	Meas, From	Ground	_		Duplicate ID	_	
	Well Diamete		_	Ground			MS/MSD		
	en Intérval Depti	1 1 -	Meas, From	The state of the s	-		Split Sample ID		
AAs	ater Table Depth Well Depth		Meas. From	710	-	Descript	A		
Length o	of Water Column	11.15	_ meas. riom		-	Required ()		Parameters: (Std. list)	Collected
Volume	of Water in Wei	0,728	_			6 30		(Exp. list)	()
Intake Depth	of Pump/Tubing	18.7'	Meas, From	Ground	1	()		VOCs	. ()
						()	PCB	s (Total)	()
	nt Identification:					(X)	PCBs (Dissolved)	(X)
-	ner (PVC) Casin	•				()	Metals/Inc	rganics (Total)	()
	Outer (Protective) Casing				()	Metals/Inorga	inics (Dissolved)	()
Grade/BGS: G	round Surface					()		de (Dissolved)	()
Redevelop?	Y (N)					CHAND	-	de (Dissolved)	140000
						()		s/PCDFs s/Herbicides	()
						()		Attenuation	()
						()		(Specify)	()
EVACUATION	INFORMATION							(,	,
	ump Start Time		-						
	ump Stop Time		-		Evacuation Me	ethod: Bailer () Bladder F	Pump (X)	
	tes of Pumping	1200341	- 1		Peristattic Pum		bmersible Pump (,	ecify ()
	d Well Go Dry?	13000m1	-		Pump Type:		nalk - Syst		
	f :	Y (N)		110-	Samples collect.		ethod as evacuation		fy)
	Water Quality N	leter Type(s) / S	erial Numbers:	YSI	556	Seri	al #03	C0392	ΔE
				41 1	7				45
1				Hach	2100	P Tu-Si	dineter		45
71 6	Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gailons	Level	Temp. (Celsius)	pН	Sp. Cond.	Turbidity (NTU)	DO (mg/l)	ORP (mV)
	Rate (L/min.)			Temp.	1	Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	DO	ORP
1340	Rate	Gailons Removed	Level	Temp. (Celsius)	pН	Sp. Cond.	Turbidity (NTU)	DO (mg/l)	ORP (mV)
	Rate (L/min.)	Gailons	Level	Temp. (Celsius)	pН	Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV) [10 mV]*
	(L/min.) 150	Gailons Removed	(# TIC)	Temp. (Celsius) [3%]*	pН	,Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 308	DO (mg/l)	ORP (mV) [10 mV]*
1340	Rate (L/min.)	Gailons Removed	Level	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV) [10 mV]*
1340	(L/min.) 150	Gallons Removed C '750 1500 2256	(# TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 308	DO (mg/l)	ORP (mV) [10 mV]*
1340	(L/min.) 150	Gailons Removed	(# TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 308	DO (mg/l)	ORP (mV) [10 mV]*
1340	(L/min.) 150	Gallons Removed C '750 1500 2256	(# TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 308	DO (mg/l)	ORP (mV) [10 mV]*
1340	Rate (Umin.) 150 150 150 150 150 150	Gallons Removed C '750 1500 2256	(# TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15	DO (mg/l)	ORP (mV) [10 mV]*
1340	Rate (Umin.) 150 150 150 150 150	Gallons Removed C '750 1500 2256	(# TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]* 7.68 7.70 7.69	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 308	DO (mg/l)	ORP (mV) [10 mV]*
1340	Rate (Umin.) 150 150 150 150 150 150	Gallons Removed C '750 1500 2256	(# TIC) 16.47 16.43	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15	DO (mg/l)	ORP (mV) [10 mV]*
1340 1345 1350 1355 1460 1465 1400 1415	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 5360	16.47 16.49 16.49 16.49 16.49 16.49 16.49 16.50	Temp. (Celsius) [3%]* - 6,40 6,67 6,67 6,97	7.68 7.69 7.66	Sp. Cond. (ms/cm) [3%]* 0.479 0.461 0.463	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1340 1345 1350 1355 1460 1465 1400 1415	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* - 6,40 6,67 6,67 6,97	7.68 7.69 7.66	Sp. Cond. (ms/cm) [3%]* 0.479 0.463	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15 10 4	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1340 1345 1350 1353 1400 1405 1415	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* - 6,40 6,67 6,67 6,97	7.68 7.69 7.66	Sp. Cond. (ms/cm) [3%]* 0.479 0.463	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15 10 4	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1340 1345 1350 1353 1400 1405 1415	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* - 6,40 6,67 6,67 6,97	7.68 7.69 7.66	Sp. Cond. (ms/cm) [3%]* 0.479 0.463	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15 10 4	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1340 1345 1350 1353 1400 1405 1415	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* - 6,40 6,67 6,67 6,97	7.68 7.69 7.66	Sp. Cond. (ms/cm) [3%]* 0.479 0.463	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15 10 4	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1340 1345 1350 1353 1400 1405 1415	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* - 6,40 6,67 6,67 6,97	7.68 7.69 7.66	Sp. Cond. (ms/cm) [3%]* 0.479 0.463	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15 10 4	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1340 1345 1350 1355 1460 1465 1465 1465 *The stabilization	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* - 6,40 6,67 6,67 6,97	7.68 7.69 7.66	Sp. Cond. (ms/cm) [3%]* 0.479 0.463	Turbidity (NTU) [10% or 1 NTU]* 308 170 81 44 15 10 4	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1340 1345 1350 1355 1400 1405 1405 1405 *The stabilizatio OBSERVATION	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* - 6,40 6,67 6,67 6,97	7.68 7.69 7.66	Sp. Cond. (ms/cm) [3%]* 0.479 0.463	Turbidity (NTU) [10% or 1 NTU] 30 8 170 81 44 15 10 4 3 ds) is listed in each	9,83 8,43 8,17 column heading.	ORP (mV) [10 mV]*
1340 1345 1350 1355 1460 1465 1465 1465 *The stabilization OBSERVATION	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* 6 (40 6 (4) 6 (7) 10 (89 utive readings of	7.68 7.70 7.69 7.69	Sp. Cond. (mS/cm) [3%]* 0.479 0.461 0.463 5-minute interval	Turbidity (NTU) [10% or 1 NTU] 30 8 170 81 44 15 10 4 3 ds) is listed in each	9,83 8,43 8,17 column heading.	ORP (mV) [10 mV]*
1340 1345 1350 1355 1400 1405 1405 1415 *The stabilizatio OBSERVATION	Rate (Umin.) 150 150 150 150 150 150 150 150 150 150	Gallons Removed C 750 1500 2256 3000 3750 4500 4500 5250 ch field parameter	16.49 16.49 16.49 16.49 16.49 16.49 16.50 16.50 er (three consec	Temp. (Celsius) [3%]* 6 (40 6 (4) 6 (7) 10 (89 utive readings of	7.68 7.69 7.66	Sp. Cond. (mS/cm) [3%]* 0.479 0.461 0.463 5-minute interval	Turbidity (NTU) [10% or 1 NTU] 30 8 170 81 44 15 10 4 3 ds) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*

C:1WORKIGEGroundwater/554199AttachmentD-

Well No.	E256-23	Site/GMA Name	GM
		Sampling Personnel	AIA

GMA-1 ASA 15AB 4-4-06 Social Sharpis 300F

WELL INFORMATION - See Page 1

Time	Pump Rate (L/Min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/i) [10% or 0.1 mg/i]*	ORP (mV) [10 mV]*
1420	150	6000	16:50	.7.04	7.67	0.467	2	7.70	59.3
1425	150	6750	16.50	6.94	7,68	0.468	2	7.64	65.2
1430	150	7500	16.51	7.02	7.73	0.471	2	7,45	73.0
1435	150	8250	16.51	7,04	7.71	0.472	2	7:37	73.8
1440	150	90.00	16.51	7.03	7,77	0.472	3	7.35	77.6
1445	150	9750	16.51	7,04	7.80	0.472		7.31	780
1450	150	10500	16.51	7.04	7,79	0,421	1	7,30	78,1
1455	150	11250	16.51	7:04	7:79	0.472	<u> </u>	7,30	78,4
1500	150	1,200	16:52	7.04	7,79	0,472	1	7,31	78.0
	•								
1 4 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Charles and the same of the sa			-	et.		
		-							

* 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

COURS.
A September
S. C.

Well No	Fas	(-24		e	iite/GMA Name	GMA	- 1		
Key No					ding Personnel	AZA /	10		
-	ckground (ppm	0		Sann	Date	121001	AD		
	eadspace (ppm			_	Weather	3	BINEZY,	380=	
				-			1		
WELL INFOR		A				·.	Sample Time		
	ce Point Marked	1000		Graund			Sample ID		<u>'</u>
Height of	f Reference Poir Well Diamete	-	Meas, From	- 00010	-		Duplicate ID	- 11	7 1 11
Scre	en Interval Dept		Meas, From	army			MS/MSD Split Sample ID		ted Here
W	ater Table Dept	14.71	Meas. From	TIC			Opik Garripie 15		
	Well Depti	7	Meas, From	TIC		Required	Analytica	Parameters:	Collected
	of Water Column	1 10	-			()	VOCs	s (Std. list)	()
	of Water in We of Pump/Tubing		- Meas, From	TIC		(31		(Exp. list)	()
пишко вори	or amprabil	3	_ Meds, Ploin		-	()		VOCs s (Total)	. ()
Reference Poi	int Identification:					(%()		(Dissolved)	(X)
TIC: Top of In	ner (PVC) Casin	g				()		rganics (Total)	()
-	Outer (Protective) Casing				()	Metals/Inorga	nics (Dissolved)	()
Grade/BGS: (Ground Surface					()	EPA Cyani	de (Dissolved)	()
Redevelop?	v a					(x)	-	ide (Dissolved)	(X)
(teda reiop i	' (1)					()		s/PCDFs s/Herbicides	()
						()		Attenuation	()
						()		(Specify)	()
	INFORMATION	935							
	Pump Start Time	1105	-		_				
	ump Stop Time utes of Pumping	90			Evacuation Me Peristattic Pum	,) Bladder F bmersible Pump (Pump (X)	-26. ()
	Nater Removed	13500	-		Pump Type:		halk-sus		сту ()
	id Well Go Dry?	Y	-				thod as evacuation		ý)
	*: :			UCT	556	. 0	C . 21		1
	Water Quality N	Neter Type(s) / S	erial Numbers:	451	356	MFS	Serial #	0500392	AF
	Pump	Total	Water	Temp.	pH	"Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)
0 = 1	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*		[10% or 0.1 mg/l]*	[10 mV]*
935	150	0	14.71				283	_	
940	150	750	14.71	_	_		853	_	
945	150	1500	14.72	~)	_	830		_
950	150	0250	1473			_	132	1	
955	150	3000	14,73		~	_	99	_	_
1000	150	3750	14.73	1	_	_	67		~
1005	150	4500	14.73	_	-	_	48		_
1010	150	5250	14.74	8,75	7.00	1:101	36	4,92	-74,6
* The stabilization	on criteria for ea	ch field paramet	er (three consec		collected at 3- to		ls) is listed in each		
OBSERVATION	NS/SAMPLING	METHOD DEVIA	TIONS						

SAMPI E DECT	TMATION								
Laboratory:									
Delivered Via:								100	
Airbill#:					Field Sampling	Coordinator	hy y	w	
							17/		





Well No. E25C-24

Site/GMA Name

CMA - 1

Sampling Personnel

Date 4/5/04

Weather Skinny Breezy, 300 F

Time	Pump Rate	Total Gallons	Water Level	Temp. (Celsius)	рH	Sp. Cond.	Turbidity	DO	ORP
711110	(Limin.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	(mS/cm) [3%]*	(NTU) [10% or 1 NTUI*	(mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
1015	150	6000	14.74	8.79	6.93	1.104	30	3,07	-75.1
1020	150	6750	14.74	8,74	6.95	1.108	24	3,13	-74.1
1025	150	7500	14,75	8,78	6.97	1.111	17	2,63	-75.3
1030	150	8250	14.76	8,65	6,98	1.114	12	2,61	-74.1
1035	150	9600	14:75	8,81	6,99	1:119	10	2,23	-75.1
1040	150	9750	14.75	8,79	6.99	1,120	7	2,00	-74.1
1045	150	10500	14.78	8,79	7.00	1:122	7	1,99	-74.9
1050	150	11250	14:78	8,78	7:00	11123	5	1,97	-75,0
1655	150	12000	14.78	8.78	7:00	1,124	5	1,96	-74,7
1160	150	12750	14.79	8.79	7,00	1:124	6	1.96	-743
1105	150	13500	14.77	8,79	7.00	1.124	6	1,97	-74054
	•								
			SF.			· · · · ·		28-	
			-						

	* 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
5	
ę,	

Well No.	ES	2-02+	4	s	Ite/GMA Name	GMA	1 - /		
Key No. NA				~	ling Personnel	TOI	18A13		
PID Background (ppm)					Date	4-5-	06		
Well He	adspace (ppm	0		_	Weather	SURAY	, Breezy	1, 350F	
WELL INFOR	MATION	(3				,	Sample Time	1550	
	e Point Marked							E32-02	A
Height of	Reference Poir		Meas. From		-		Duplicate ID		
Scree	Well Diamete	7 114	Meas From	Graund			MS/MSD Split Sample ID		
	ater Table Dept		Meas. From		-		Opik Gampie 15		
	Well Dept	n 17440	Meas, From	TIC	_	Required	Analytical	Parameters:	Collected
_	of Water Colum	Day	-			()		(Std. list)	()
	of Water in We of Pump/Tubing	> 1	_ Meas, From	TIL		(3,		(Exp. list)	()
make Deput	or rumpruping	9_//-3	_ Meas, riom		-	()		VOCs s (Total)	. ()
Reference Poir	nt Identification:					()		Dissolved)	()
TC: Top of Inn	ner (PVC) Casir	ng				()		rganics (Total)	()
	uter (Protective	e) Casing				(,)	Metals/Inorga	nics (Dissolved)	()
Grade/BGS: G	iround Surface					()		de (Dissolved)	()
Redevelop?	Y (N)					(*)		de (Dissolved) os/PCDFs	(X)
	. (.)					()		s/Herbicides	()
						()		Attenuation	()
						()	Other	(Specify)	()
	INFORMATION	1416							
	ump Start Time ump Stop Time	15.16	-		Evacuation Me	that Dailes () Distance		
	tes of Pumping	7 70			Peristaltic Pum) brander r) brander r) brander r	oump () Other/Spe	cify ()
	Vater Removed	0.00					alk - Sust		,,,,
Di	d Well Go Dry?	YN			Samples collec	cted by same me	thod as evacuation	n? Y N (specif	(y)
		Meter Type(s) / S	erial Numbers:	YSI	550	MP5) Sei	ial # 03	00392
	Pump	Total	Water	Temp.	рН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)
14:5	(L/min.)	Removed	5,21	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]*
1420	OOI	5.00	A		_		84		
1425	100	1000	6.74	~	_	_	51		
1430	100	1500	663		_	_	46	_	
1435	100	2000	(p.ldo	_	_	-	35	_	_
1440	100	2500	6,59	_	_		18		_
1445	100	3000	6.61	3,91	7,13	0.679	18	2,50	13.0
1450	100	3500	6.61	8.37	7:04	0.695	23	1159	7,6
The stabilization	on criteria for ea	ach field paramet	er (three consec	utive readings o	collected at 3- to	5-minute interva	ls) is listed in each	column heading.	
BSERVATION	NS/SAMPLING	METHOD DEVIA	ATIONS						
Laboratory:									
Delivered Via:							May 9	Pr-	
					Gold Compline	Canadimatam	1/100	he	





Well No. <u>E52-02A</u>

Site/GMA Name

Sampling Personnel

	Pump	Total	Water	Temp.	pН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)
	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/I]*	[10 mV]*
1455	100	4000	6.61	8.38	6.97	0.748	31	1.39	-9,2
1500	160	4500	661	8.33	6.97	0.754	22	1,30	-13.1
1505	100	5000	6.69	8.33	7.00	0.815	13	1,22	-21.8
1516	100	5500	6.80	8.76	6,97	1.049	14	1,04	-52,9
1515	100	6000	6.72	8.86	6,99	1,7329	14	0.94	-80,1
1500	100	6506	6.80	9,21	7,12	1,647	10	0182	-162,3
1525	100	7000	6.65	9,49	7,25	1.709	8	0.78	-108,1
1530	100		6 55	9,54	7.26	1874	6	0.74	-117,1
1535	100	8000	6.67	9.54	7,25	1.885	6	0.67	-117,2
1540	100	8500	6.63	9.54	7,26	1.886	_5	0.66	-117,9
1545	100	9000	6.70	9:55	7.26	1,888	6	0.64	-118,3
	• : ;								

6						(.			x6.,
			-						a constant Library

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

	o. <u>#</u> SAZE			Same	nlina Personnal	ACT 1	LIR 10	2 SOUTH-	GMHI
PID Background (ppm)					Date		4,2006		
Well I	deadspace (ppr	n)		_	Weather	COOL.		MIX, +	116411
WELL INFO	RMATION					.,,,		1125	
Referen	nce Point Marke	d? 🕜 N						E8A28-5	52
Height of	of Reference Po		Meas. From	n			Duplicate ID		
	Well Diamet						MS/MSD		
	een Interval Dep Vater Table Dep		.2'Meas. From Meas. From	n Ground	_		Split Sample ID		
	Well Dep	th 23 85	Meas. From			Required	Analytica	Il Parameters:	Collected
Length	of Water Colum					(,).		s (Std. list)	()
	e of Water in We					()	VOCs	(Exp. list)	()
Intake Dept	h of Pump/Tubir	g 18.	Meas. From	Ground	_	()	S	VOCs	()
						()	PCB	s (Total)	()
	oint Identification					()	PCBs	(Dissolved)	()
	nner (PVC) Casi	•				(,)	Metals/Ino	rganics (Total)	()
	Outer (Protectiv	e) Casing				()	Metals/Inorga	anics (Dissolved)	()
raue/DGS:	Ground Surface					(X)	-	ide (Dissolved)	(>
edevelop?	Y (N)					()		Os/PCDFs	()
						()		es/Herbicides	(-)
						()		Attenuation (Specify)	()
Mine Volume of	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry?	1020 1135 75 2.0 gall			Samples collec	p X Si LANCE CHI ted by same me	ubmersible Pump	ES 59,000 1? Ø N (speci	-
F Min Volume of V	Pump Start Time Pump Stop Time utes of Pumpine Water Removed bid Well Go Dry? Water Quality M	//35 75 2.0 g.ll Y D	Gerial Numbers:	Temp.	Peristattic Pum Pump Type: Samples collec	p X Si LANCE CHI ted by same me	ubmersible Pump	Other/Sp CS SP OOT N (speci	> ARES
Mine Volume of	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N	1020 1135 75 2.0 g.ll Y (1)	Serial Numbers:		Peristaltic Pum Pump Type: Samples collec	p X) Si	ubmersible Pump (PLK SERT thod as evacuation (POP TURR! Turbidity (NTU)	() Other/S _I ES S9 OT 1? N (speci	FOR GOOP
F Min Volume of V	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate	//35 75 2.0 g.ll Y (1)	Serial Numbers: Water Level	Temp. (Celsius)	Peristattic Pum Pump Type: Samples collect MPS, +1	p Solution Sp. Cond. (mS/cm)	ubmersible Pump (PLK SERT thod as evacuation (POP TURR! Turbidity (NTU)	Other/S ₁ Other/S ₁ N (speci	ORP (mV)
Minima Volume of Volume Time	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality M Pump Rate (L/min.)	//35 75 2.0 g.ll Y (1)	Water Level (ft TIC)	Temp. (Celsius)	Peristattic Pum Pump Type: Samples collect MPS, +1	sp. Cond. (mS/cm) [3%]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	Other/S ₁ Other/S ₁ N (speci	ORP (mV)
Min Volume of 1 D	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate (Umin.)	// 35 75 75 7.0 g all Y Neter Type(s)/S Total Gallons Removed	Serial Numbers: Water Level (ft TIC)	Temp. (Celsius) [3%]*	Peristattic Pum Pump Type: Samples collect MPS, +1 pH [0.1 units]*	sp. Cond. (mS/cm) [3%]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	() Other/S _I PS SP DO N (speci	ORP (mV) [10 mV]*
Min Volume of Volume Time 1025	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality M Pump Rate (L/min.)	/020 //35 75 2.0 g ll Y O Meter Type(s) / S Total Gallons Removed	Water Level (ft TIC) /2-00	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collec MPS, +1 pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	() Other/S ₁ ES S9 1 OOT 17 N (special DIMETER DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time 1025 /030	Pump Start Time Pump Stop Time utes of Pumping Water Removed oid Well Go Dry? Water Quality M Pump Rate (L/min.) 1000	1020 1135 75 2.0 g ll Y D Meter Type(s)/S Total Gallons Removed	Water Level (ft TIC) /2-00 /2-00	Temp. (Celsius) [3%]* /0.47	Peristattic Pum Pump Type: Samples collect MPS, +1 pH [0.1 units]* 7.070	Single S	Turbidity (NTU) [10% or 1 NTU]*	() Other/S ₁	ORP (mV) [10 mV]* -128.9
Min Volume of 1025 1030 1035 1046	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate (L/min.) / 070	1020 1135 75 75 75 75 75 75 75	Water Level (ft TIC) /2-00 /2-00 /2-02 /2-03	Temp. (Celsius) [3%]*	Peristattic Pum Pump Type: Samples collect MPS, +1 pH [0.1 units]* 7.07 7.13 7.38 7.63 1.66	Sp. Cond. (mS/cm) [3%]* 3. 888 3. 293	Turbidity (NTU) [10% or 1 NTU]*	() Other/S ₁ ES S9 1 OOT 1? ON (special DIMETER DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* -128.9 -143.2
Time 1025 1030 1046 1045 1050	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate (L/min.) / 000	1020 1135 75 2.0 g N Y O Meter Type(s)/S Total -Gallons Removed 	Water Level (ft TIC) /2-00 /2-00 /2-03 /2-03 /2-03	Temp. (Celsius) [3%]* /0.47 /0.48 /0.58	Peristattic Pum Pump Type: Samples collect MPS, +1 pH [0.1 units]* 7.070 7.13 7.38 7.63 7.65	Sp. Cond. (mS/cm) [3%]* 3. 838 3. 351 3. 293 3. 148	Jubersible Pump AUK SEXT thod as evacuation OP TURB! Turbidity (NTU) [10% or 1 NTU]* 7 9 8 7	() Other/S ₁ () Oth	ORP (mV) [10 mV]* -128.9 -136.5 -143.2
Time 1025 1030 1046 1045 1050	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate (L/min.) / 070 / 070 / 070 / 070	1020 1135 75 75 75 75 75 75 75	Water Level (ft TIC) 12-00 12-00 12-03 12-03 12-03	Temp. (Celsius) [3%]* /0.47 /0.48 /0.58 /0.70	Peristattic Pum Pump Type: Samples collect MPS, +1 pH [0.1 units]* 7.07 7.13 7.38 7.63 1.66	Sp. Cond. (mS/cm) [3%]* 3. 888 3. 281 3. 195	Johnersible Pump AUC SECTION Thomas evacuation Turbidity (NTU) [10% or 1 NTU]*	() Other/S ₁ ES 59 1 OOT 1? ON (special pool of the	ORP (mV) [10 mV]* -128.9 -136.5 -144.2 -144.2 -144.6
Time 1025 1030 1045 1045 1050 1055 1100	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate (L/min.) /000 /000 /000 /000 /000	1020 1135 75 75 75 75 75 75 75	Water Level (ft TIC) /2-00 /2-03 /2-03 /2-03 /2-03 /2-03 ter (three consectations	Temp. (Celsius) [3%]*	Peristattic Pum Pump Type: Samples collected at 3- to	Sp. Cond. (mS/cm) [3%]* 3. 388 3. 351 3. 281 3. 195 3. 148 3. 117 5-minute interval	Johnersible Pump AUK SEXT thod as evacuation OP TURB! Turbidity (NTU) [10% or 1 NTU]* 7 11 9 8 7 7	() Other/S _I ES S9 1 ODT 1? N (special pool of the special po	ORP (mV) [10 mV]* -128.9 -143.2 -144.2
Time 1025 1030 1045 1045 1055 1105 The stabilization	Pump Start Time Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate (L/min.) / 070	1020 1135 75 75 75 75 75 75 75	Water Level (ft TIC) /2-00 /2-03 /2-03 /2-03 /2-03 /2-03 ter (three consectations	Temp. (Celsius) [3%]*	Peristattic Pum Pump Type: Samples collect MPS, +1 pH [0.1 units]* 7.07 7.13 7.38 7.63 7.63 7.55 7.49 collected at 3- to PURCIE	Sp. Cond. (mS/cm) [3%]* 3. 388 3. 351 3. 281 3. 195 3. 148 3. 117 5-minute interval	Johnersible Pump (PLK SERT thod as evacuation (POP TURB! Turbidity (NTU) [10% or 1 NTU]*	() Other/S _I ES S9 1 ODT 1? N (special pool of the special po	ORP (mV) [10 mV]* -128.9 -136.5 -144.2 -144.2 -144.6

Field Sampling Coordinator: June 7 Harris

U:\Monitoring Well Forms\Groundwater Monitoring Form.xls

Airbilf #: ___

Site/GMA Name	EAST STREET AREA 2 SOUTH - GMA
Sampling Personnel	A ES / NIB
Date	4/4/06
Weather	
	Sampling Personnel Date

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]*
1105	100	4000	12.03	16.85	7.43	3-101	7	1.35	-145.2
1110	100	4500	12.03	10.71	7.45	3.105	6	1.28	-144.0
415	100	5000	12.03	10.61	7.50		6	1.26	-140.8
1120	100	5500	12-03	10.64	7.51	8.101	5	1.22	-143.0
SAMP	LE. TIM	E 1125							
	·					:			
									illo.
			2						
		-							

* The stabilization criteria for each field parameter (three cor OBSERVATIONS/SAMPLING METHOD DEVIATIONS	nsecutive readings collected at 3- to 5-minute intervals) is listed in each column heading. SEE NOTES ON PAGE 1.

	FSA.	25-6	4			CW	11/1		
		700			Ite/GMA Name	00	145		
Key No.				Samp	ling Personnel	- ASA	15		
	kground (ppm			-	Date		06		
West He	adspace (ppm)		-	Weather	Snoc	1300F		
WELL INFOR							Sample Time		
	e Point Marked							ESA 25-6	4
Height of	Reference Poir		_ Meas. From		-		Duplicate ID		
	Well Diamete		-	Ground			MS/MSD		
	en Interval Dept			O'Cara	_		Split Sample ID		
W	ater Table Dept	- A	Meas. From	-	-				
1	Well Dept	4 4	_ Meas, From		-	Required		Parameters:	Collected
_	of Water Column	- Marie Mari	-			()		(Std. list)	(')
	of Water in We		-	711		(),		(Exp. list)	()
іптаке реріп	of Pump/Tubing	9 70.0	Meas. From	1/6	-	()		VOCs	. ()
						()	PCB	s (Total)	()
	nt Identification:					()	PCBs (Dissolved)	()
	ner (PVC) Casir					()	Metals/Inc	rganics (Total)	()
-	Outer (Protective	e) Casing				()	Metals/Inorga	nics (Dissolved)	()
Grade/BGS: G	Ground Surface					(AR)	EPA Cyani	de (Dissolved)	()
						(×')	PAC Cyani	de (Dissolved)	(><)
Redevelop?	YN					()	PCDD	s/PCDFs	()
						()	Pesticide	s/Herbicides	()
						()	Natural.	Attenuation	()
						()	Other	(Specify)	()
	INFORMATION	1025							
	ump Start Time		_						
P	ump Stop Time		-		Evacuation Me	thod: Bailer () Bladder F	ump (X)	
Minu	ites of Pumping				Peristaltic Pum		bmersible Pump (ecify ()
Volume of V	Vater Removed	11260 00	!		Pump Type:	Marsel	alle sud	en One	
Di	id Well Go Dry?	Y (N)			Samples collect	ted by same me	thod as evacuation	n? (Y) N (specif	fy)
	Water Quality N	Meter Type(s) / S	erial Numbers:	YST	55	6 50	r:al# 03	CO392 1	AE
		21 (7)		Hach	2100 P	Turbid,			-
	Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	DO	ORP
Sime	Rate	Gallons	Level	(Calsius)		(mS/cm)	(NTU)	(mg/l)	(mV)
	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*		[10% or 0.1 mg/l]*	[10 mV]*
1025	150	D	12,42	_		_	>1000		
1030	,50	750	12,44	_			102		
1035		1	-						
1040	150	1500	12.45	_	_		68		
2//							56		
1045	150	3000	12,45	2111	100	110	48	()(/	-
1050	150	3/50	10,46	7.47	6.80	1.606	47	6.74	-66
1055	150	4500	12.46	7.09	6.89	1.640	48	2,43	-82,1
1100	120	5250	12,46	9.06	6,85	1.690	4)	1,48	-86.4
	*The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading. OBSERVATIONS/SAMPLING METHOD DEVIATIONS								
SAMDI E DEST	TNATION								
SAMPLE DEST	11441114								
1 ab	105								
Laboratory:							1		
Delivered Via:	UPS						/	2	
Delivered Via:					Field Sampling	Coordinator	1/199	D	~

Well No. ESA25 -64	Site/GMA Name	CoMA-1
		AZ AZ AZ AZ
	Sampling Personnel	ADA / SA 13
	Date	4-4-06
	Weather	500W, 300F

71.	Pump	Total	Water	Temp.	pН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate (L/nfin.)	Gallons Removed	Level (ft TIC)	(Celsiu s) {3%]*	[0.1 units]*	(mS/cm) [3%]*	(NTU)	(mg/l) [10% or 0.1 mg/l]*	(mV)
1105	150	6000	12.46	9.06	692	1.627	44	1 : 26	_91,9
1110	150	6750	12.46	8.58	4	1,610	40	1,49	
1115	1			8,61					-78.7
-	150	7500	1247		7.06	1.612	78	1.16	-82.8
1120	150	8250	12.47	867	6.99	1,612	34	1,10	-84.7
1125	150	9000	12,47	8,88	7.00	1.612	30	1.01	-87.4
1130	150	9750	12,47	8,89	7.00	1.612	31	1,00	-87.9
1135	150	10500	12,47	8.89	7.00	1.612	30	1.00	-87,2
1140	170	11250	12,47	8.89	7.00	1.612	32	1.01	-88.0
	•								
						*-			
-									

	* 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

	. NA			Samp	ling Personnel		4 K		
	ckground (ppm) eadspace (ppm)			-	Date	4/3/06	1	rain, 40	,, -O E
11011110	auspaca (ppiii)			-	Woaller	Overca	51, 30 Mc	rain, 40	-43 F
ELL INFOR	MATION						Sample Time	15:50	
Referenc	e Point Marked?	→ Ø N						GMA1-1.	3
Height of	Reference Poin	+1-85	Meas, From	Ground	_		Duplicate ID	_	
	Well Diameter		_				MS/MSD	-	
Scree	en Interval Depth	15-25		Ground	_		Split Sample ID		
Wa	ater Table Depth		Meas. From	TIC					
		27.32	Meas, From	TIL		Required	Analytical	Parameters:	Collected
	of Water Column					()		(Std. list)	()
	of Water in Wel	/ 1		-,,		()		(Exp. list)	()
паке рери	of Pump/Tubing		Meas, From	110	- ,	()		/OCs	()
forence Pni	int Identification:					()		s (Total)	()
	ner (PVC) Casin	a				(X)		Dissolved)	(**)
	Outer (Protective	_				()		rganics (Total)	()
	Ground Surface	, Juning				()	_	nics (Dissolved) de (Dissolved)	()
						()		de (Dissolved)	()
develop?	Y N					()		s/PCDI:	(;
	•					. ()		s/Herbix: des	(
						()		Attenuaring	()
						()	Other	(Specify)	(
ACUATION	INFORMATION								
		14170							
	ump Start Time		_						
	rump Start Time rump Stop Time		_		Evacuation Me	ethod: Bailer () Bladder P	rump (X)	
P	ump Stop Time	16:10	- - /	ا بسا	Persattic Pum	ıp () Su	bmersible Pump () Other/Spe	ecity ()
P	ump Stop Time	16:10	- /3-7 gall	long (Persattic Pum Pump Type:	Mersch	bmersible Pump (Other/Spe	
P	Pump Stop Time utes of Pumping Water Removed id Well Go Dry?	16:10	3-7 gall with 1st	lone rst-up)	Persattic Pum Pump Type:	Mersch	bmersible Pump () Other/Spe	
P	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry?	16:10 110 2.990/lor			Perstattic Pum Pump Type: Samples collec	Morsch ted by same me	bmersible Pump (alk - Syste ethod as evacuation	Other/Spe	
P	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry?	16:10		YS1-55	Persuatic Pum Pump Type: Samples collect	Marsch ted by same me	bmersible Pump (Local K - Syste ethod as evacuation	Other/Spe	fy)
P	Pump Stop Time utes of Pumping Water Removed id Well Go Dry?	16:10 110 2.990-llov Y N	Gerial Numbers:	YS1-53 Hach 2	Pers.attic Pum Pump Type: Samples collect To OP T	Morsch ted by same me : 03M0 inbidim	bmersible Pump (K-5yste thod as evacuation 230Ac etcv	Other/Spe	fy) \$23
P Minu Volume of V	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? " Water Quality N	16:10 110 2.9 qollor y N Heter Type(s)/S	erial Numbers:	Y51-53 Hach 2 Temp.	Persuatic Pum Pump Type: Samples collect	Morsch Morsch ted by same me : 03M0 inrbidim Sp. Cond.	bmersible Pump (K-5yste ethod as evacuation 230Ac etev	Other/Special One	fy)
P	Pump Stop Time utes of Pumping Water Removed id Well Go Dry? "" Water Quality N Pump Rate	Ide: 10 IID 2.9 qollor y N Heter Type(s)/S Total Gallons	Water	YSI-55 Hach Z Temp. (Celsius)	Persattic Pum Pump Type: Samples collect 6 M P S 100 P T	Morisch Morisch ted by same me i O 3 M O in bid im .Sp. Cond. (mS/cm)	bmersible Pump (K - Sy S to ethod as evacuation 230 Ac e to	Other/Special One of the other o	ORP (mV)
P Minu Volume of V Di	Pump Stop Time utes of Pumping Water Removed id Well Go Dry? Water Quality M Pump Rate (L/min.)	16:10 110 2.9 qollor y N Heter Type(s)/S	Water Level (ft TIC)	Y51-53 Hach 2 Temp.	Pers.attic Pum Pump Type: Samples collect To OP T	Morsch Morsch ted by same me : 03M0 inrbidim Sp. Cond.	bmersible Pump (A k - Sy S to ethod as evacuation 230 Ac e fc - 9 4 Turbidity (NTU) [10% or 1 NTU]*	Other/Special One	fy)
P Minu Volume of V Di	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate (L/min.)	I(6:10 II() 2.9 qollor Y (N) Heter Type(s) / S Total Gallons Removed	Water Level (ft TIC)	YSI-55 Hach Z Temp. (Celsius)	Persattic Pum Pump Type: Samples collect 6 M P S 100 P T	Morisch Morisch ted by same me i O 3 M O in bid im .Sp. Cond. (mS/cm)	bmersible Pump (alk-System ethod as evacuation 230 Ac efc/ 94 Turbidity (NTU) [10% or 1 NTUP	Other/Special One of the other o	ORP (mV)
P Minu Volume of V Di	Pump Stop Time utes of Pumping Water Removed id Well Go Dry? Water Quality M Pump Rate (L/min.)	Ide: 10 IID 2.9 qollor y N Heter Type(s)/S Total Gallons	Water Level (ft TIC)	YSI-55 Hach Z Temp. (Celsius)	Persattic Pum Pump Type: Samples collect 6 M P S 100 P T	Morisch Morisch ted by same me i O 3 M O in bid im .Sp. Cond. (mS/cm)	bmersible Pump (Other/Special One of the other o	ORP (mV)
P Minu Volume of V Di	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate (L/min.)	I(6:10 II() 2.9 qollor Y (N) Heter Type(s) / S Total Gallons Removed	Water Level (ft TIC)	Y31-55 Hach 2 Temp. (Coisius) [3%]*	Persattic Pum Pump Type: Samples collect 6 M P S 100 P T	Morisch Morisch ted by same me i O 3 M O in bid im .Sp. Cond. (mS/cm)	bmersible Pump (alk-System ethod as evacuation 230 Ac efc/ 94 Turbidity (NTU) [10% or 1 NTUP	Other/Special One of the other o	ORP (mV)
P Minu Volume of V Di Time 4 - 20 4 - 35 4 - 35	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate (L/min.) 100 ml 100 ml	Ide:10 IID 2.9qollor y N Heter Type(s)/S Total Gailons Removed 0.40 0.92	Water Level (ft TIC) 18-36 18.35	Y31-55 Hach 2 Temp. (Coisius) [3%]*	Persuttic Pum Pump Type: Samples collect 6 M P S 100 P T pH [0.1 units]*	Morsch Morsch ted by same me O 3 M O in bidim Sp. Cond. (mS/cm) [3%]	bmersible Pump (K - Sy S to ethod as evacuation 230 Ac e to	Other/Special Control of the Control	(mV) [10 mV]*
P Minu Volume of V Di Time 4 - 20 4 - 35 4 - 5 5 5 - 0 5	Pump Stop Time utes of Pumping Water Removed id Well Go Dry? Water Quality N Pump Rate (L/min.) /00ml /00ml	Ide: 10 IID 2.9 qollor Y R Heter Type(s)/S Total Gallons Removed 0.40 0.92 1-19	Water Level (ft TIC) 18-36 18.35 18-35	YS1-55 Hach Z Temp. (Colsius) [3%]"	Persuttic Pum Pump Type: Saraples collect Control PH [0.1 units]*	Morsch Morsch tted by same me O 3 M O w b id im Sp. Cond. imS/cm) [3%]* - 0.798	bmersible Pump (alk-5y 5 to ethod as evacuation 230 Ac etev-94 Turbidity (NTU) [10% or 1 NTU]* 73 37 28	Other/Special Control of the Control	(mV) [10 mV]*
P Minu Volume of V Di Time 4 - 20 4 - 35 4 - 35 5 - 05	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate (L/min.) 100 ml 100 ml 100 ml	16:10 2.9 qollor Y (1) Reter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32	Water Level (ft TIC) 18.35 18.35 18.35	YS1-55 Hach 2 Temp. (Colsius) [3%]* 8.74 8.78	Persattic Pum Pump Type: Samples collect 6 M P S 100 P T pH [0.1 units]*	Morsch Morsch ted by same me O 3 M O Inrbidim Sp. Cond. (mS/cm) [3%]* - 0.798 0.801	bmersible Pump (Other/Special Control of the Control	SZ3 ORP (mV) [10 mV]* — Z89.9
P Minu Volume of V Di Time 4 - 20 4 - 35 4 - 35 5 - 05 5 - 10 5 - 17	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate (L/min.) /00ml /00ml /00ml /00ml /00ml	16:10 2.9 qollor Y N Heter Type(s)/S Total Gallons Removed 0.40 0.92 1-19 1-32 1-45	Water Level (ft TIC) 18.35 18.35 18.35 18.35	VSI-53 Hach Z Temp. (Colsius) [3%]" 8.74 8.78 8.87	Persuttic Pum Pump Type: Saraples collect Control PH [0.1 units]*	Morsch Morsch tted by same me O 3 M O w b id im Sp. Cond. imS/cm) [3%]* - 0.798	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efev - 94 Turbidity (NTU) [10% or 1 NTU]* 105 73 37 28 27 23	Other/Special Control of the control	SZ3 ORP (mV) [10 mV]* - Z89.9 Z92.0 Z92.7
P Minu Volume of V Di Time 4 - 20 4 - 35 4 - 35 5 - 05	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate (L/min.) 100 ml 100 ml 100 ml	16:10 2.9 qollor Y (1) Reter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32	Water Level (ft TIC) 18.35 18.35 18.35	YS1-55 Hach 2 Temp. (Colsius) [3%]* 8.74 8.78	Persattic Pum Pump Type: Samples collect 6 M P S 100 P T pH [0.1 units]*	Morsch Morsch ted by same me O 3 M O Inrbidim Sp. Cond. (mS/cm) [3%]* - 0.798 0.801	bmersible Pump (Other/Special Control of the Control	SZ3 ORP (mV) [10 mV]* — Z89.9
P Minu Volume of V Di Time 4:20 4:35 4:55 5:05 5:10 5:15	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality N Pump Rate (L/min.) / 00 m	16:10 110 2.9 qollor Y N Hoter Type(s)/S Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.58	Water Level (ft TIC) 18-36 18.35 18-35 18.35 18.35	YSI-53 Hach Z Temp. (Colsius) [3%]"————————————————————————————————————	Persattic Pum Pump Type: Saraples collect Control Pump Type: Saraples collect Control Pump Pump Pump Pump Pump Pump Pump Pump	D. 805 D. 809 D	bmersible Pump (alk-5yste sthod as evacuation 230Ac etcv-94 Turbidity [10% or 1 NTU]* /05 73 37 28 27 28 27	Other/Special Control of the control	SZ3 ORP (mV) [10 mV]* - Z89.9 Z92.0 Z92.7 Z94.7
P Minu Volume of V Di Time 4-20 4-35 4:55 5:05 5:10 5:15 5:20	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality Nater Qual	16:10 2.9 qollor y N Heter Type(s)/S Total Gallons Removed 0.40 0.92 1-19 1-32 1-45 1.58 1.72	Water Level (ft TIC) 18.35 18.35 18.35 18.35 18.35 18.35	VSI-53 Hach Z Temp. (Celsius) [3%]"————————————————————————————————————	Pers.attic Pump Pump Type: Saraples collect To MPS 100 P T pH [0.1 units]*	Su Morsch Su Morsch	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efev - 94 Turbidity (NTU) [10% or 1 NTU]* 105 73 37 28 27 23 19 16	Other/Specime? (IIOOOG 6 Society) N (specime? (IIOOOG 6 Society) N (specime?) N (sp	SZ3 ORP (mV) [10 mV]* - Z89.9 Z92.0 Z92.7
P Minu Volume of V Di Time 4:20 4:35 4:35 5:10 5:15 5:20 5:25 he stabilization	Pump Stop Time utes of Pumping Water Removed id Well Go Dry? Water Quality Mater Quality Material Materi	16:10 2.9 qollor y N leter Type(s)/S Total Gailons Removed 0.40 0.92 1.19 1.32 1.45 1.58 1.72 ch field paramet	Water Lovel (ft TIC) 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	VSI-53 Hach Z Temp. (Celsius) [3%]"————————————————————————————————————	Pers.attic Pump Pump Type: Saraples collect To MPS 100 P T pH [0.1 units]*	Su Morsch Su Morsch	bmersible Pump (alk-5yste sthod as evacuation 230Ac etcv-94 Turbidity [10% or 1 NTU]* /05 73 37 28 27 28 27	Other/Specime? (IIOOOG 6 Society) N (specime? (IIOOOG 6 Society) N (specime?) N (sp	SZ3 ORP (mV) [10 mV]* - Z89.9 Z92.0 Z92.7 Z94.7
P Minu Volume of V Di Time 4:20 4:35 4:35 5:10 5:15 5:20 5:25 he stabilization	Pump Stop Time utes of Pumping Water Removed id Well Go Dry? Water Quality N Pump Rate (L/min.) / 00 m / 00 m	16:10 2.9 qollor Y R Mater Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.58 1.72 ch field paramet	Water Level (ft TIC) 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	Y51-55 Hach 2 Temp. (Colsius) [3%]" 8.74 8.79 8.87 8.87 8.82 8.88 sutive readings of	Persuttic Pum Pump Type: Samples collected at 3- io	Su Morsch Su Morsch	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efev - 94 Turbidity (NTU) [10% or 1 NTU]* 105 73 37 28 27 23 19 16	Other/Specime? (IIOOOG 6 Society) N (specime? (IIOOOG 6 Society) N (specime?) N (sp	SZ3 ORP (mV) [10 mV]* - Z89.9 Z92.0 Z92.7 Z94.7
P Minu Volume of V Di Time 7:35 4:35 5:05 5:10 5:15 5:20 5:25 6: stabilization 5:1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality Mater Quality Material Materi	IG:10 IID 2.9 qollor y N teter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.72 ch field paramet METHOD DEVI	Water Level (ft TIC) 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	751-55 Hach Z Temp. (Ceisius) [3%]*	Persuttic Pum Pump Type: Samples collected at 3- io	Su Morsch Su Morsch	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efev - 94 Turbidity (NTU) [10% or 1 NTU]* 105 73 37 28 27 23 19 16	Other/Specime? (IIOOOG 6 Society) N (specime? (IIOOOG 6 Society) N (specime?) N (sp	SZ3 ORP (mV) [10 mV]* - Z89.9 Z92.0 Z92.7 Z94.7
P Minu Volume of V Di Time 4:20 4:35 4:55 5:10 5:25 he stabilization SERVATION 5:24 6:4:4:55	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality Mater Quality Material Materi	IG:10 110 2.9 qollor y N teter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.58 1.72 ch field paramet METHOD DEVIL	Water Level (ft TIC) 18.36 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	751-55 Hach Z Temp. (Ceisius) [3%]* 8.74 8.78 8.87 8.82 8.88 2utive readings colors	Persuttic Pump Pump Type: Saraples collected at 3- to	D () Su Morsch ted by same me in ted by same me	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efc/ : 9 y Turbidity (NTU) [10% or 1 NTUF 73 37 28 27 28 19 16 als) is listed in each	Other/Specime? (II 00 0 6 6 5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	789.9 292.0 292.7 294.7
P Minu Volume of V Di Time 4:20 4:35 4:55 5:10 5:15 5:20 5:25 he stabilization SERVATION	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality Mater Quality Material Too Materia	IG:10 110 2.9 qollor y N teter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.58 1.72 ch field paramet METHOD DEVIL : C/ca, Il from	Water Level (ft TIC) 18.36 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	751-55 Hach Z Temp. (Ceisius) [3%]* 8.74 8.78 8.87 8.82 8.88 2utive readings colors	Persuttic Pump Pump Type: Saraples collected at 3- to	D () Su Morsch ted by same me in ted by same me	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efc/ : 9 y Turbidity (NTU) [10% or 1 NTUF 73 37 28 27 28 19 16 als) is listed in each	Other/Specime? (II 00 0 6 6 5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SZ3 ORP (mV) [10 mV]* - Z89.9 Z92.0 Z92.7 Z94.7
P Minu Volume of V Di Time 4:20 4:35 4:55 5:10 5:15 5:20 5:25 he stabilization SERVATION	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality Mater Quality Material Materi	IG:10 110 2.9 qollor y N teter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.58 1.72 ch field paramet METHOD DEVIL : C/ca, Il from	Water Level (ft TIC) 18.36 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	751-55 Hach Z Temp. (Ceisius) [3%]* 8.74 8.78 8.87 8.82 8.88 autive readings of the colors	Persuttic Pump Pump Type: Saraples collected at 3- to	D () Su Morsch ted by same me in ted by same me	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efev - 94 Turbidity (NTU) [10% or 1 NTU]* 105 73 37 28 27 23 19 16	Other/Specime? (II 00 0 6 6 5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	789.9 292.0 292.7 294.7
P Minu Volume of V Di Time 4:20 4:35 4:55 5:10 5:15 5:20 5:25 he stabilization SERVATION	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality Notes (Limin.) /// // // // // // // // // // // // /	IG:10 110 2.9 qollor y N teter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.58 1.72 ch field paramet METHOD DEVIL : C/ca, Il from	Water Level (ft TIC) 18.36 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	751-55 Hach Z Temp. (Ceisius) [3%]* 8.74 8.78 8.87 8.82 8.88 autive readings of the colors	Persuttic Pump Pump Type: Saraples collected at 3- to	D () Su Morsch ted by same me in ted by same me	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efc/ : 9 y Turbidity (NTU) [10% or 1 NTUF 73 37 28 27 28 19 16 als) is listed in each	Other/Specime? (II 00 0 6 6 5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	789.9 292.0 292.7 294.7
Pindinu Volume of V Di Time 4:20 4:35 4:55 5:05 5:15 5:10 5:15 5:20 6:525 he stabilization En. f.in MPLE DEST	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality Notes (Limin.) /// // // // // // // // // // // // /	IG:10 110 2.9 qollor y N teter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.58 1.72 ch field paramet METHOD DEVIL : C/ca, Il from	Water Level (ft TIC) 18.36 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	751-55 Hach Z Temp. (Ceisius) [3%]* 8.74 8.78 8.87 8.82 8.88 autive readings of the colors	Persuttic Pump Pump Type: Saraples collected at 3- to	D () Su Morsch ted by same me in ted by same me	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efc/ : 9 y Turbidity (NTU) [10% or 1 NTUF 73 37 28 27 28 19 16 als) is listed in each	Other/Specime? (II 00 0 6 6 5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	789.9 292.0 292.7 294.7
Pindinu Volume of V Di Time 4:20 4:35 4:55 5:05 5:15 5:10 5:15 5:20 6:525 he stabilization En. f.in MPLE DEST	Pump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality Mater Quality Material M	IG:10 110 2.9 qollor y N teter Type(s)/S Total Gallons Removed 0.40 0.92 1.19 1.32 1.45 1.58 1.72 ch field paramet METHOD DEVIL : C/ca, Il from	Water Level (ft TIC) 18.36 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35 18.35	751-55 Hach Z Femp. (Coisius) [3%]* 8.74 8.78 8.87 8.82 8.88 cutive readings of the color of	Persuttic Pump Pump Type: Saraples collected 6 M P S 100 P T pH [0.1 units]*	Dept. () Su Morsch ted by same me in ted by same	bmersible Pump (alk-Syste sthod as evacuation 230 Ac efc/ : 9 y Turbidity (NTU) [10% or 1 NTUF 73 37 28 27 28 19 16 als) is listed in each	Other/Specime? (II 00 0 6 6 5 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	789.9 292.0 292.7 294.7

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ALLESS.			
	Well No.	GMA	1-13

Site/GMA Name GEP; #sf; cld - GMA-1

Sampling Personnel GAR/KA/K

Date 4/3/06

Weather Overcust, some rain, 40-450F

Time	Pump Rate (Úmín.)	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/i]*	ORP (mV) [10 mV]*
15-30	100ml	1.85	18.35	8.87	6.20	0.814	13	2.46	295.5
	100ml	1.98	18.35	8.82	6.22	0.817	/1	2.44	295.1
15:40	100ml	2-11	18.35	8.77	6.21	0.819	10	2.39	296.1
15:45		2.25	18.35	8.77	6.22	0.821	10	2.33	295.8
						de it.			
	els.								

	* 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
,	

	GMA1-	13		s	ite/GMA Name	GEP,	Hs field -	GMA-1	
_	. NA			Samp		GARIK	AK		
	kground (ppm	_		_	Date		1		
AAGII LIE	adspace (ppm))		-	Weather	OVERCES	t, some th	in, 40-450	-
WELL INFOR	MATION	_					Sample Time		
Reference	ce Point Marked	. •					Sample 1D	GMA1-13	
Height of	Reference Poin		Meas. From	Ground	_			_	
	Weil Diamete						MS/MSD	-	
	en Interval Depti	The second second second second		Ground	_		Split Sample ID		
W	ater Table Depti		Meas. From	TIL	-				
		8.98	Meas, From	TIC	-	Required	Analytical	Parameters:	Collected
-	of Water Column	447	ī			()		(Std. list)	(")
	of Water in We		Meas, From	TIL		()		(Exp. list)	()
таке Бери	Or Fullipi Tubili		Meas, From		-	()		/OCs	()
Reference Poi	nt Identification:					()		s (Total) Dissolved)	()
	ner (PVC) Casin	na				(×)		rganics (Total)	(*)
	Outer (Protective	•				()		nics (Dissolved)	()
	Ground Surface					()		de (Dissolved)	()
						()		de (Dissolved)	í)
Redevelop?	Y (N)					()		s/PCDFs	()
						()	Pesticide	s/Herbicides	()
						()	Natural A	Attenuation	()
						()	Other	(Specify)	: ;
EVACUATION	INFORMATION	1,2.2.							
	ump Start Time		-						
	Pump Stop Time		_		Evacuation Me	thod: Bailer () Bladder P	ump 💢)	
	ites of Pumping		-		Peristaltic Fum		bmersible Pump (cify ()
	Nater Removed		-				Alk- \$ 5ys	63	
D	id Well Go Dry?	Y N			Samples collec	ted by same me	thod as evacuation	n? W N (speci	(y)
	Water Quality N	Meter Type(s) / S		751-55	6 MPS				printed the control of the control o
	Pump	Total	Water	1	T	bidimet			000
Time	Rate	Gallons	Level	Temp.	рН	Sp. Cond.	Turbidity	00	ORP
1 11110	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	(mS/cm) [3%]*	(NTU) [10% or 1 NTU]*	(mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
13:35	100 ml	0.26	18.34	-	-	10.01	11	Tion or our mgm	110 1110
13'-45		 		0.75		27110			
	100 ml	0.53	18-35	8.72	6.53	0.749	18	13.04	213.5
13:20	100ml	0.66	18-34	8.77	6.40	0.758	17	8.24	235.3
13:22	100ml	0-79	18-34	8.81	6.39	0.760		7.35	247.5
14:00	100ml	0.92							
14:05	100ml	1.06							
14210	100ml	1-19							
			18.36				105		
* The stabilizati	on criteria for ea	ich field paramet	er (three consec	utive readings of	ollected at 3- to	5-minute interva	ls) is listed in each	column heading	
		METHOD DEVI					,	oodiiii noodiiig.	
			odorles.	1					
_	/	. 2000	9000100						
1000	Purgei	Z	20/1	0 1.7	11. 11	. 12			
			roblem	· W	TU TH	e Mui	np		
SAMPLE DES	TINATION								
Laboratory:	565								
Delivered Via:									7
Airbill #:					Field Sampling	Coordinator:	e In	Ju !	
						_	1	Juli	

Reference Point Marked? N Height of Reference Point Meas. From T/L Required Analytical Parameters: Collected Collect	PID Background (p Well Headspace (p ELL INFORMATION Reference Point Mart Height of Reference I Well Diam Screen Interval D Water Table D Well D	pm) O pm) O cod? Y N coint eter Z		Samp	Date	4/6/06	AB		
Weather	Well Headspace (p ELL INFORMATION Reference Point Mari Height of Reference I Well Diam Screen Interval D Water Table D Well D	od? Y N oint eter Z		_		4/6/06			
Sample Time	RELL INFORMATION Reference Point Mari Height of Reference I Well Diam Screen Interval D Water Table D Well D	cod? Y N Point Point		_	Weather				
Height of Reference Point	Reference Point Mari Height of Reference i Well Diam Screen Interval D Water Table D Well D	Point 21				30	s, windy,	Cloudy	
Height of Reference Point	Height of Reference i Well Diam Screen Interval D Water Table D Well D	Point 21					Sample Time	HR-61-1	m_{i}
Height of Reference Point	Height of Reference i Well Diam Screen Interval D Water Table D Well D	Point 21					Sample Tarre	152	110-3
Well Diameter 2" Screen interval Depth 7-5 Meas. From Water Table Depth 7.6 Meas. From TTC Required Analytical Parameters: Collected Col	Well Diam Screen Interval D Water Table D Well D	eter 21	Mona Error	_					
Mater Table Depth 7-1 Meas. From TTC Required Analytical Parameters: Collected Co	Screen Interval D Water Table D Well D	7	Weas, FIOH	'	-		•		****
Water Table Depth 7.6 Meas. From Mea	Water Table D Well D	enom /) l		61					
Weil Depth 7, 65 Meas, From TTC Required Anabetical Parameters: Collecte Longth of Water Column 70, 0 Y Volume of Water in Weil 1, 67 1, 10 N Pump Start Time Pu	Well D	7 77			-		Split Sample ID		
Length of Water Column					- ,	Dogwinod	A t - 42 1	10	0.11
Votume of Water in West	r anom of Water Col		weas, Flori		-				Collected
SVOCs SVOC	_		llons				,		()
PCBs (Total) PCBs (Total) PCBs (Total) PCBs (Total) PCBs (Dissolved) PCBs (Di		26101		TIL		()			. ()
PCBs (Dissolved) PCBs (Disso	tame popul of t unip. tu				-	()			()
Top of Inner (PVC) Casing	ference Point Identificati	on.				()			()
C: Top of Outer (Protective) Casing (()			()
Sevelop? Y N		_							()
PAC Cyanide (Dissolved) PAC Dayle (Dissolved) PA						. (-			(*)
PCDDs/PCDFs Pesticides/Herbicides Pesticides/Herbicides/Herbicides Pesticides/Herbicides/Herbicides Pesticides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicides/Herbicid							_		()
Columbia Color C	develop? Y (N)					()	-		()
Natural Attenuation Other (Specify) Other						, ,			()
Other (Specify) Other (Spe						()			()
Pump Start Time						, ,			()
Time Rate (Gallons Level (Colsius) (mS/cm) (NTU) (mg/l) (mV) ($\frac{1}{2}$ ($$	Volume of Water Remove	$\begin{array}{ccc} & 73 \\ \text{red} & 310 \\ & 9 \end{array}$	110~3		Peristattic Pum Pump Type:	Marsel	bmersible Pump (On c	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Volume of Water Remon Did Well Go D " : Water Qual	red 3.0 90 ry? Y Noter Type(s)/			Peristattic Pum Pump Type: Samples collect	P() Su Marsel ted by same me	bmersible Pump (Ik - Syst thod as evacuation Z/UV P	Other/Spe	y) .cte~
935 150 0.12 7.85 $ 20$ $ 190$ 150 0.32 7.85 $ 13$ $ 145$ 150 0.52 7.85 8.67 8.42 1.178 20 5.31 -95.7 150 150 0.71 7.85 8.38 8.48 1.170 13 2.60 -96.7 150 0.91 7.85 8.09 8.29 1.165 8 2.03 -97.7 200 150 1.11 2.85 2.95 2	Volume of Water Remon Did Well Go D Water Qual	ty Meter Type(s) /:	Water	Temp.	Peristattic Pum Pump Type: Samples collect	p () Su Marsel ted by same me	bmersible Pump (Other/Spe	y) t.~
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Volume of Water Remon Did Well Go D Water Qual	ty Meter Type(s) /: Total Gaillons	Water	Temp.	Peristatic Pum Pump Type: Samples collect	p () Su Marsel ted by same me Hack Sp. Cond. (mS/cm)	thod as evacuation Turbidity (NTU)	Other/Spe	ORP
445 150 0.52 7.85 8.67 8.42 1.178 20 5.31 -95.7 450 150 0.71 7.85 8.38 8.48 1.170 13 2.60 -96.3 455 150 0.91 7.85 8.09 8.29 1.165 8 2.03 -97.7 500 150 1.11 7.85 7.91 8.09 1.161 8 1.94 -96.5 505 150 1.31 7.85 7.78 7.99 1.160 5 1.85 -97.7	Volume of Water Remon Did Well Go D Water Qual Pump Time Rate (L/min.	ty Meter Type(s) /: Total Gaillons	Water Level (ft TIC)	Temp.	Peristatic Pum Pump Type: Samples collect	p () Su Marsel ted by same me Hack Sp. Cond. (mS/cm)	thod as evacuation Turbidity [10% or 1 NTU]*	Other/Spe	y) t.~
450 150 0.71 7.85 8.38 8.48 1.170 13 2.60 -96.3 455 150 0.91 7.85 8.09 8.29 1.165 8 2.03 -97.3 500 150 1.11 7.85 7.91 8.09 1.161 8 1.94 -96.3 505 150 1.31 7.85 7.78 7.99 1.160 5 1.85 -97.	Volume of Water Remonder Did Well Go Did Water Qual Pump Time Rate (L/min.)	ty Meter Type(s)/: Total Gallons Removed	Water Level (ft TIC)	Temp.	Peristatic Pum Pump Type: Samples collect	p () Su Marsel ted by same me Hack Sp. Cond. (mS/cm)	bmersible Pump (Other/Spe	ORP
455 150 0.91 7.85 8.09 8.29 1.165 8 2.03 -97. 500 150 1.11 7.85 7.91 8.09 1.161 8 1.94 -96.3 505 150 1.31 7.85 7.78 7.99 1.160 5 1.85 -97.	Volume of Water Remonder Did Well Go Did Water Qual Pump Time Rate (L/min.)	ty Meter Type(s)/: Total Gallons Removed	Water Level (ft TIC) 7, 85	Temp. (Celsius) [3%]*	Peristatic Pum Pump Type: Samples collect SGM PS pH [0.1 units]*	p() Su Marsel ted by same me Hack Sp. Cond. (mS/cm) [3%]*	bmersible Pump (Other/Spe	ORP
455 150 0.91 7.85 8.09 8.29 1.165 8 2.03 -97. 500 150 1.11 7.85 7.91 8.09 1.161 8 1.94 -96.5 505 150 1.31 7.85 7.78 7.99 1.160 5 1.85 -97.	Volume of Water Remonder Did Well Go Did Well Go Did Water Qual Pump Rate (L/min.) 1435 150 410 150	ty Meter Type(s) /: Total Gailons Removed 0.32	Water Level (ft TIC) 7, 85	Temp. (Celsius) [3%]*	Peristatic Pum Pump Type: Samples collect SGM PS pH [0.1 units]*	p() Su Marsel ted by same me Hack Sp. Cond. (mS/cm) [3%]*	bmersible Pump (Other/Spe	ORP
500 150 1.11 7.85 7.91 8.09 1.161 8 1.94 -960 505 150 1.31 7.85 7.78 7.99 1.160 5 1.85 -97.	Volume of Water Remon Did Well Go D Water Qual Pump Rate (L/min. /435 /50 /440 /50 /445 /50 /445 /50 /450	ty Meter Type(s) /: Total Gaillons Removed 0.32 0.52	Water Level (ft TIC) 7, 85 7, 85 7,85	Temp. (Calsius) [3%]* 8.67	Peristatic Pum Pump Type: Samples collect 56 M P5 pH [0.1 units]*	sp. Cond. (mS/cm) [3%]*	thod as evacuation Z/UOP Turbidity (NTU) [10% or 1 NTU] 20 13	Other/Spe On L O	ORP (mV) [10 mV]*
22 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Volume of Water Remonder Pump Rate	ty Meter Type(s) /: Total Gallons Removed 0.32 0.52	Water Level (ft TIC) 7, 85 7,85 7,85	Temp. (Celsius) [3%]* 8.67	Peristatic Pum Pump Type: Samples collect SGM PS pH [0.1 units]*	p () Su Mars ell ted by same me Hack Sp. Cond. (mS/em) [3%]*	thod as evacuation Z/UOP Turbidity (NTU) [10% or 1 NTU] 20 13	Other/Spe	ORP (mV) [10 mV]*
22 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	Volume of Water Remonder Pump Rate	ing 73 red 3.0 qo ry? Y N ty Meter Type(s) /: Total Gaillons Removed 0.32 0.52 0.71 0.91	Water Level (ft TIC) 7, 85 7,85 7,85 7,85 7,85	Temp. (Celsius) [3%]* 8.67 8,38	Peristatic Pum Pump Type: Samples collect SGM PS pH [0.1 units]* 8.42 8.42 8.29	p () Su Mars ell ted by same me Hack Sp. Cond. (mS/em) [3%]*	bmersible Pump (Other/Spe On L O	ORP (mV) [10 mV]*
	Volume of Water Remonder Pump Rate (L/min.) /435 /50 /410 /50 /450 /450 /5	ing 73 red 3.0 90 ry? Y (1) ty Meter Type(s)/3 Total Gallons Removed 0.12 0.32 0.52 0.71 0.91 1.11	Water Level (ft TIC) 7, 85 7,85 7,85 7,85 7,85 7,85 7,85	Temp. (Celsius) [3%]* - 8.67 8,38 8.09 7.41	Peristatic Pum Pump Type: Samples collect SGM PS pH [0.1 units]* 8.42 8.48 8.29 8.29	Substituted by same med Sp. Cond. Sp	bmersible Pump (Other/Spe On L O	ORP (mV) [10 mV]* - 95.7 - 96.3
1,100	Volume of Water Remonder Did Well Go D Water Qual Pump Time Rate (L/min.)	ty Meter Type(s)/: Total Gallons Removed	Water Level (ft TIC)	Temp.	Peristatic Pum Pump Type: Samples collect	p () Su Marsel ted by same me Hack Sp. Cond. (mS/cm)	bmersible Pump (Other/Spe	y

	61-M			
Well No.	HR-B 10-3	Site/GMA Name	GMA-1	/
		Sampling Personnel	DL/SAR	
		Date	4/1/04	
		Weather	,,.,	

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/i) [10% or 0.1 mg/i]*	ORP (mV) [10 mV]*
1515	1500	1.72	7,85	85,7.	7,75	1,157	4	1,83	-96.8
1520	150	692	7.85		7,71	1.160	3	1.82	-97,
1525	150		7,95	7.86		1,167	. 4	176	-98.
1530	150	2.12	7,85	7.93	7.60	1.161	4	1, 73	-97,4
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								,	
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	4		10 10 - 10 10 mm 4 1	. 674		<i>(</i> *.		85°	
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									*

1 he stabilization criteria for each field parameter (three co	insecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	

Reference Point Markad? N Height of Reference Point Well Diameter Well Diameter Well Diameter Well Diameter Well Diameter Well Diameter Well Depth 1 1 Meas. From C C C C Meas. From Well Depth 1 1 Meas. From T C Spilt Sumple ID Meas. From Well Depth 1 1 Meas. From T C Required Ansilvical Parameters: Collecte Collecte C C C C C C C C C	Key No. FX-37 PtD Background (ppm) Well Headspace (ppm) Well Headspace (ppm) Well LinFORMATION Reference Point Marked? Height of Reference Point Well Diameter Screen Interval Depth 11 Well Depth Well Depth Length of Water Column Volume of Water in Well Intake Depth of Pump/Tubing Reference Point Identification: TIC: Top of Inner (PVC) Casing	D D N 1-141 1-35 1-71 3,34 0.55 1,110	Meas, From Meas, From Meas, From Meas, From	Granne	ing Personnel Date Weather	4-6	Sample Time Sample ID Duplicate ID MS/MSD	1310 HR-G3-1	
PIO Background (ppm)	PtD Background (ppm) Well Headspace (ppm) WELL INFORMATION Reference Point Marked? Height of Reference Point Well Diameter Screen Interval Dopth 1/2. Water Table Depth 1/4 Well Depth Length of Water Column Volume of Water in Well Intake Depth of Pump/Tubing Reference Point Identification: TIC: Top of Inner (PVC) Casing	0 1-141 1-35 2-71 3,34 0.55 (2,110)	Meas. From Meas. From Meas. From	Ground	Date Weather	4-6	Sample Time Sample ID Duplicate ID MS/MSD	1310 HR-G3-1	
Wealther Short Short Sample Time 130 Sample Time Time 130 Sample Time 130 Sample Time Time 130 Sample Time Ti	Well Headspace (ppm) WELL INFORMATION Reference Point Marked? Height of Reference Point Well Diameter Screen Interval Depth 1/2 Water Table Depth 1/2 Well Depth Length of Water Column Volume of Water in Well Intake Depth of Pump/Tubing Reference Point Identification: TIC: Top of Inner (PVC) Casing	0 1-141 1-35 2-71 3,34 0.55 (2,110)	Meas. From Meas. From Meas. From	TIC	Weather	7	Sample Time Sample ID Duplicate ID MS/MSD	1310 HR-G3-1	
Sample Time 3/0	WELL INFORMATION Reference Point Marked? Height of Reference Point Well Diameter Screen Interval Depth J Water Table Depth Well Depth Length of Water Column Volume of Water in Well Intake Depth of Pump/Tubing Reference Point Identification: TIC: Top of Inner (PVC) Casing) N 1-141 -35 2-71 3,34 0.55 (2,110)	Meas. From Meas. From Meas. From	TIC		2104,	Sample Time Sample ID Duplicate ID MS/MSD	1310 HR-G3-1	
Reference Point Markord Neas. From	Reference Point Marked? Height of Reference Point Well Diameter Screen Interval Depth 1/1. Water Table Depth 1/2 Well Depth 1/2 Length of Water Column 3 Volume of Water in Well 0 Intake Depth of Pump/Tubing 1 Reference Point Identification: TIC: Top of Inner (PVC) Casing	21-141 1-141 1-35 1-71 3,34	Meas. From Meas. From Meas. From	TIC	4		Sample ID Duplicate ID MS/MSD	HR-63-1	
Reference Point Markord Neas. From	Reference Point Marked? Height of Reference Point Well Diameter Screen Interval Depth 1/2: Water Table Depth 1/4 Well Depth Length of Water Column Volume of Water in Well Intake Depth of Pump/Tubing Reference Point Identification: TIC: Top of Inner (PVC) Casing	21-141 1-141 1-35 1-71 3,34	Meas. From Meas. From Meas. From	TIC	£		Sample ID Duplicate ID MS/MSD	HR-63-1	
Height of Reference Point Meas. From Meas. From Meas. From Meas. From Tit Required Analytical Parameters: Collected Collect	Height of Reference Point Well Diameter Screen Interval Depth 1/4 Well Depth Well Depth Length of Water Column Volume of Water in Well Intake Depth of Pump/Tubing Reference Point Identification: TIC: Top of Inner (PVC) Casing	21-141 1-141 1-35 1-71 3,34	Meas. From Meas. From Meas. From	TIC	€		Duplicate ID MS/MSD		
Well Diameter 1	Well Diameter Screen Interval Dopth 1. Water Table Depth 14 Well Depth 17 Length of Water Column 3 Volume of Water in Well 0 Intake Depth of Pump/Tubing 16 Reference Point Identification: TIC: Top of Inner (PVC) Casing	21-141 1-141 1-35 2-71 3,36 0.55,110	Meas. From Meas. From Meas. From	TIC	£		MS/MSD		
Screen Interval Depth	Screen Interval Dopth 1.1 Water Table Depth 1.4 Well Depth 1.7 Length of Water Column 3 Volume of Water in Well 0.1 Intake Depth of Pump/Tubing 1.6 Reference Point Identification: TIC: Top of Inner (PVC) Casing	35 271 3,36 2,554,110~	Meas. From Meas. From	TIC	<u> </u>				
Water Table Depth 14.35 Meas. From T C Required Analytical Parameters: Collected Col	Water Table Depth 14 Well Depth 17 Length of Water Column 3 Volume of Water in Well 0. Intake Depth of Pump/Tubing 16 Reference Point Identification: TIC: Top of Inner (PVC) Casing	35 271 3,36 2,554,110~	Meas. From Meas. From	TIC			Split Sample ID		
Well Depth 7. 1 Meas. From	Well Depth 17 Length of Water Column 3 Volume of Water in Well 2 intake Depth of Pump/Tubing 1 Reference Point Identification: TIC: Top of Inner (PVC) Casing	2,71 3,36 1.55 ,110~	Meas, From		•				
Length of Water Column 3 3 3 3 3 5 5 5 5 5	Length of Water Column 3 Volume of Water in Well 2 Intake Depth of Pump/Tubing 1 Reference Point Identification: TIC: Top of Inner (PVC) Casing	3,36	^	-1-1		Dogwinad	Anabelaal	Domeston	Callanta
Volume of Water in West O.55 1.10 O.10	Volume of Water in Well O. intake Depth of Pump/Tubing 1 Reference Point Identification: TIC: Top of Inner (PVC) Casing	1.55 9.110			•				
Intake Depth of Pump/Tubing 16.0 Meas. From 17.0 SVOCs () PCBs (Total) () PCDs (Total)	Intake Depth of Pump/Tubing								. ,
PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Dissolved) () PCDS (PCBs () PCBs (Dissolved) () PCBs (Disso	Reference Point Identification: TIC: Top of Inner (PVC) Casing		Moas. I Tom	TIL.		, ,			
Reference Point Identification:	TIC: Top of Inner (PVC) Casing				•				
CC: Top of liner (PVC) Casing	TIC: Top of Inner (PVC) Casing					` '			. ` , ′
Coc. Top of Outer (Protective) Casing	,								
EPA Cyanide (Dissolved)	I TOP OF OWNER IN INTEGRATED LANGE	sina				, ,			
PAC Cyanide (Dissolved) PAC Cyanide (Dis		any .							,
PCDDs/PCDFs Pesticides/Herbicides Pesticides/Herbicides/Herbicides Pesticides/Herbicides/Herbicides Pesticides/Herbicides/Herbicides Pesticides/Herbicides Pesticides/Herbicides Pesti	Similardo, Giodile Guildos								()
Pesticides/Herbicides	Redevelop? Y (N						-		()
Natural Attenuation Other (Specify) Other						()			()
Other (Specify) Other (Spe						()			()
Evacuation Nethod: Bailer () Bladder Pump () Diadder Pump () Diadder Pump () Diadder Pump ()						, ,			()
Pump Start Time	EVACUATION INFORMATION					,	02.0.	(openly)	()
Time Pump Rate Gallons Cleivel (Celsius) (mS/cm) (NTU) (mg/l) (mV) (mV) (mJ/l) (mJ/l) (mV) (mJ/l) (mJ/l) (mV) (mJ/l) (mJ/l) (mV) (mJ/l) (mJ/l) (mJ/l) (mV) (mJ/l) (mJ/l	Did Well Go Dry? Y		2 M		Pump Type:	Marscl	ibmersible Pump () Other/Spe	cify ()
		(B)			Pump Type: Samples collec	Mars cl	ethod as evacuation	Other/Spe	у)
1110 150 0 14.41 71000 1120 150 0.40 14.41 71000 1130 150 0.80 14.41 71000 1140 150 150 1.40 14.41 71000 1150 150 1.40 14.41 474 1155 150 1.60 14.42 361 1200 150 1.80 14.43 228	Water Quality Meter	Total	Numbers:	YSI	Pump Type: Samples collect	Marsel ted by same m	Howh 21	Other/Spe	y) ,d,inc
1120 150 0.40 14,41 >1000 1130 150 0.80 14,41 >1000 1140 150 6.60 14,41 71000 1150 150 1.60 14,41 474 1155 150 1.60 14,43 228 1200 150 1-80 14,43 228	Water Quality Meter Pump Time Rate	Type(s) / Seria	Water	YST Temp.	Pump Type: Samples collect	Marsel ted by same me MP3	How ZI	Other/Spe	orp
1130 150 0.80 14,41 >1000 1140 150 6.60 14,41 71000 1150 150 1.40 14.41 474 1155 150 1.60 14.42 361 1200 150 1.80 14.43 228	Water Quality Meter Pump Rate G (L/min.) Re	Type(s) / Seria	Water	YSI Temp. (Celsius)	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Hach Z/	OVP Tark	orp
1/30 150 0.80 14,41 >1000 1140 150 1.60 14,41 474 1155 150 1.60 14,41 361 1200 150 1.80 14,43 228	Water Quality Meter Pump Rate (L/min.) Re	Type(s) / Seria	Water	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Howh Z/	OVP Tark	ORP (mV)
1150 150 1-40 14.41 474 1155 150 1-60 14.42 361 1200 150 1-80 14.43 228	Water Quality Meter Pump Rate (L/min.) Re	Type(s) / Serial Total Gallons Removed	Water	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Hach Z/	OVP Tark	ORP (mV)
1150 150 1-40 14.41 474 1155 150 1-60 14.42 361 1200 150 1-80 14.43 228	Water Quality Meter Pump Rate G (L/min.) Re	Type(s) / Serial Total Gallons Removed	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* >1000	OVP Tark	ORP (mV)
1200 150 1-80 14,43 228	Water Quality Meter Pump Rate (L/min.) Re [110 50 0.1130 0.50 0.1130 0.50 0.113	Total Gallons Removed	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
1200 150 1-80 14,43 228	Water Quality Meter Time Pump Rate (L/min.) Re 1110 150 0. 1130 150 0.	Type(s) / Serial Total Gallons Removed O.40 J.80 J.80	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
	Water Quality Meter Time Pump Rate (L/min.) Re (L/min.) Ro (110 150 0. 1130 150 0. 1140 150 0. 1150 150 1	Total Gallons Removed	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
	Water Quality Meter Pump Rate G (L/min.) Re	Type(s) / Serial Total Gallons Removed 0.40 /	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
7.50	Water Quality Meter Pump Rate Grade G	Type(s) / Serial Total Gallons Removed 0.40 /	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
1155 150 1.60 14.42 361 1200 150 1-80 14.43 228	Pump Time Rate (L/min.) Re	Type(s) / Seria	Water	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Howh Z/	OVP Tark	١٠)
200 150 1-80 14,43 228	Vater Quality Meter Pump Rate Cumin.) Re	Type(s) / Serial Total Gallons Removed O.40 J.80 J.80	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
	Water Quality Meter Pump Rate G (L/min.) Re Re G (L/min.) Re Re Re Re Re Re Re R	Total Gallons Removed	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
210 150 220 14413	Water Quality Meter Pump Rate G (L/min.) Re (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
710 150 220 1410	Water Quality Meter Pump Rate G (L/min.) Ro	Type(s) / Serial Total Gallons Removed 0.40 /	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)
	Water Quality Meter Time Rate (L/min.) Re 1110 150 0. 1130 150 0. 1140 150 1	Type(s) / Serial Total Gallons Removed 0.40 /	Water Level (ft TIC)	Y5I Temp. (Celsius) [3%]*	Pump Type: Samples collect	Mays cl ted by same me MP3 ,Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] >1000 >/000	OVP Tark	ORP (mV)

Well No. HR-G3-MW-1	Site/GMA Name	SMA-1
	Sampling Personnel	JDG/CAB

Date 4/1/0

Time	Pump Rate	Total Gallons	Water	Temp. (Celsius)	рH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
	(Limin.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*		[10 mV]*
1220	150	~2.8	14.45		_	_	101	_	
1230	150	3.2	14.45	_		_	144		
1235	150	3-4	14,45	8.83	7,86	1,657	1010	297.33	-92.9
1240	150	3-6	14.45	8.99	8.06	1,659	85	5.74	-92.0
1245	150	~348	14.45	8.96	8.08	1,661	67	5,57	-90.1
1250	150	4.0	14,45	8.80	8.07	1.661	62	5,69	-87,3
1255	150	4.2	14,45	8.78	8,04	1.661	58	5,60	-86,3
1300	150	4.4	14.45	8.78	7,98	1,660	51	5.50	-86.3
1305	150	24.6	14,45	8,78	7.97	1,658	49	5.52	-86,0
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* 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	

"Key No	o	81-5			Site/GMA Name pling Personnel			DINVETH	-GMAI
PID Ba	ackground (ppm	1)					5. 2006		
Well H	leadspace (ppm)		_				RINKLES, L	LIGHT BRE
WELL INCO.	D44471044								
WELL INFOR		. A.		•			Sample Time		
	nce Point Marked of Reference Poi		/ 1/22 5					ES1-5	
rieight	Well Diamete		Meas. From	1					
Scre	een Interval Dep		— Meas From	Ground					
	Vater Table Dept		-	-	_		Split Sample ID		
		h 44.12	Meas. From	TIC	_	Required	Analytica	Parameters:	Collected
Length	of Water Colum	n_4.54	_			(,).	VOCs	(Std. list)	()
	e of Water in We	44				()	VOCs	(Exp. list)	()
Intake Depth	h of Pump/Tubin	g 42'	Meas. From	TIL	_	()	S	VOCs	()
						()	PCB:	s (Total)	()
	int Identification:					(X)	PCBs (Dissolved)	(×)
-	nner (PVC) Casi	•				()		rganics (Total)	()
	Outer (Protective Ground Surface	e) Casing				()		nics (Dissolved)	()
stade/bGS: (Ground Surface					()	-	de (Dissolved)	()
Redevelop?	$Y(\hat{N})$					()		s/PCDFs	()
						{ }		s/Herbicides Attenuation	()
						()		(Specify)	()
	NINFORMATION								
	Pump Start Time		_						
	Pump Stop Time	_	_		Evacuation Me	thod: Bailer () Bladder I	Pump (X)	
A.Aim	utes of Pumping	40							
			г.,		Peristaltic Pum		ubmersible Pump (pecify ()
Volume of \	Water Removed	3.591	[ons		Pump Type:	MARSCA	1ALK 59,	000 SERI-	
Volume of \		3.591	[on3		Pump Type:	MARSCA		000 SERI-	ES
Volume of \	Water Removed old Well Go Dry?	3.5 g J		YS1.55	Pump Type: Samples collect	MARSCA ted by same me	1AUC 59, athod as evacuation	000 SERI-	ES fy)
Volume of \	Water Removed old Well Go Dry?	3.5 g J		YS 1 55	Pump Type: Samples collect	MARSCA ted by same me	1AUC 59, athod as evacuation	000 SEZI- ? (V) N (speci	ES fy)
Volume of \	Water Removed old Well Go Dry? Water Quality N	Y N N letter Type(s) / S	Serial Numbers:	1 835	Pump Type: Samples collect	MARSCA ted by same me	ARUK 59, thod as evacuation 1200P 10	ODD SERI PO N (speci	ES fy) ER
Volume of \	Water Removed bid Well Go Dry? Water Quality M	3.5 q N Y N Heter Type(s)/S	Gerial Numbers:	Temp.	Pump Type: Samples collect	MARSCA ted by same me HACH Sp. Cond.	ARUK 59, thod as evacuation 2100P 11. Turbidity (NTU)	ODD SERI. PO N (speci	ES fy) ZZ ORP
Volume of N	Water Removed Did Well Go Dry? Water Quality M Pump Rate	Y N N letter Type(s) / S	Serial Numbers: Water Level	Temp. (Celsius)	Pump Type: Samples collect MPS pH	MARSCA ted by same me HACH Sp. Cond. (mS/cm)	ARUK 59, thod as evacuation 2100P 11. Turbidity (NTU)	DD SERI- PO N (speci PBIDIMET DO (mg/l)	ES fy) ZZZ ORP (mV)
Volume of \	Water Removed id Well Go Dry? Water Quality M Pump Rate (L/min.)	Y N N letter Type(s) / S	Serial Numbers: Water Level (ft TIC)	Temp. (Celsius)	Pump Type: Samples collect MPS pH	MARSCA ted by same me HACH Sp. Cond. (mS/cm)	thod as evacuation 2100P TU Turbidity (NTU) [10% or 1 NTU]*	DD SERI- PO N (speci PBIDIMET DO (mg/l)	FS fy) CTC ORP (mV) [10 mV]*
Volume of N D Time 1515	Water Removed Old Well Go Dry? Water Quality Mater Quality Material Material Material Material Material Material Material	Y N N leter Type(s) / S Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius)	Pump Type: Samples collect MPS pH	MARSCA ted by same me HACH Sp. Cond. (mS/cm)	thod as evacuation 2100P TU Turbidity (NTU) [10% or 1 NTU]*	DD SERI- PO N (speci PBIDIMET DO (mg/l)	FS fy) CTC ORP (mV) [10 mV]*
Volume of VD Time 1515 (520 525	Water Removed bid Well Go Dry? Water Quality Mater Quality Material Ma	Y N N letter Type(s) / S Total - Callons Removed	Water Level (ft TIC) 39.58	Temp. (Celsius) [3%]*	Pump Type: Samples collect MPS pH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]*	1908 59, thod as evacuation 2100P 10 Turbidity (NTU) [10% or 1 NTU]* 52 23	DOD SERI- PO N (special points) (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Volume of VD Time 1515 1520 1525 530	Water Removed old Well Go Dry? Water Quality No. 10 Pump Rate (L/min.) /50 /50	Y N N leter Type(s) / S Total - Callons Removed 1500	Water Level (ft TIC) 39.58 39.62	Temp. (Celsius) [3%]*	Pump Type: Samples collect Description PH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]*	ARIX 59, athod as evacuation 2100P 11. Turbidity (NTU) [10% or 1 NTU]* 52. 23.	DD SERI- P N (special property of the propert	ES (fy) ETC ORP (mV) (10 mV)* TH . 8
Time 1515 1520 1525 1530 1535	Water Removed bid Well Go Dry? Water Quality Mater Quality Material M	Y N N deter Type(s) / S Total General Removed 1500 2250	Water Level (ft TIC) 39.58 39.62 39.63	Temp. (Celsius) [3%]* ———————————————————————————————————	Pump Type: Samples collect MPS pH [0.1 units]* 7.49 7.38	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426	ARIX 59, athod as evacuation 2100P TUTDIDIDIDIDIDIDIDIDIDIDIDIDIDIDIDIDIDID	DD SERI- P N (special points) DO (mg/l) [10% or 0.1 mg/l)* 5. 25 1.84	ES (fy) ZTZ ORP (mV) [10 mV]* T1.8 55.3
Time 1515 1525 1530 1535 1540	Water Removed old Well Go Dry? Water Quality N Pump Rate (L/min.) /50 /50 /50 /50	3.5 q N Y N Neter Type(s) / S Total -Gallons Removed 750 1500 2250 3000	Water Level (ft TIC) 39.58 39.62 39.64	Temp. (Celsius) [3%]* ———————————————————————————————————	pump Type: Samples collect MPS pH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447	ARIX 59, thod as evacuation 2100P TUTUITUTUITUTUITUTUTUTUTUTUTUTUTUTUTUTU	DD SERI- P N (special points) (mg/l) [10% or 0.1 mg/l]* - 5.25 1.84 1.44	ORP (mV) [10 mV]*
Volume of ND Time	Water Removed old Well Go Dry? Water Quality Mater Quality Material M	3.5 q N Y N Neter Type(s)/S Total Gallons Removed 1500 1500 2250 3000 3750	Water Level (ft TIC) 39.58 39.62 39.63 39.64 39.64	Temp. (Celsius) [3%]*	Pump Type: Samples collect Description MPS PH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457	ARIX 59, thod as evacuation 2100P TU Turbidity (NTU) [10% or 1 NTU]* 52. 23 14 9 8 7	DD SERI- P N (special points) DO (mg/l) [10% or 0.1 mg/l]* 5.25 1.84 1.44 1.29	ORP (mV) [10 mV]* 71.8 55.3 47.5 45.5
Time 1515 1525 1536 1540 1545	Water Removed old Well Go Dry? Water Quality Mater Quality Material M	3.5 q J Y N Neter Type(s)/S Total -Callens Removed 	Water Level (ft TIC) 39.58 39.62 39.64 39.64 39.64 39.64 39.64	Temp. (Celsius) [3%]*	Pump Type: Samples collect Description of the ph [0.1 units]* 7.49 7.38 7.41 7.37 7.17 collected at 3- to	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457 1.460 1.462 5-minute intervent	THE SOLUTION TURN SOLUTION TURN SOLUTION TO 1 NTU]* 52 23 14 9 8 7 Bals) is listed in each	DD SERI- P N (special points) DO (mg/l) [10% or 0.1 mg/l]* 5. 25 1. 84 1. 44 1. 29 1. 15 1. 17 a column heading.	ORP (mV) [10 mV]* 71.8 55.3 47.5 44.0
Time /515 /520 /525 /530 /535 /545 /545 /560 The stabilization	Water Removed old Well Go Dry? Water Quality Mater Quality Material Material Material Material	3.5 q N Y N Neter Type(s)/S Total -Callons Removed 750 1500 2250 3750 4500 4500 5250 ch field parameter	Water Level (ft TIC) 39.58 39.62 39.64 39.64 39.64 39.64 39.64	Temp. (Celsius) [3%]*	Pump Type: Samples collect Samples collect PH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457 1.460 1.462 5-minute interv. 18 80FT.	THE SOLUTION TURBLE SOLUTION TO SOLUTION T	DD SERI- P N (special property of the property	ORP (mV) (10 mV)*
Time 1515 1520 1536 1540 1545 1560 The stabilization	Water Removed old Well Go Dry? Water Quality Mater Quality Material Material Material Material	3.5 q N Y N Neter Type(s)/S Total -Callons Removed 750 1500 2250 3750 4500 4500 5250 ch field parameter	Water Level (ft TIC) 39.58 39.62 39.64 39.64 39.64 39.64 39.64	Temp. (Celsius) [3%]*	Pump Type: Samples collect Samples collect PH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457 1.460 1.462 5-minute interv. 18 80FT.	THE SOLUTION TURBLE SOLUTION TO SOLUTION T	DD SERI- P N (special points) DO (mg/l) [10% or 0.1 mg/l]* 5. 25 1. 84 1. 44 1. 29 1. 15 1. 17 a column heading.	ORP (mV) (10 mV)*
Time /515 /520 /535 /530 /535 /545 /545 /545 /550 The stabilization	Water Removed old Well Go Dry? Water Quality N Pump Rate (L/min.) /50 /50 /50 /50 /50 /50 /50 /5	3.5 q N Y N Neter Type(s)/S Total -Gallons Removed 750 1500 2250 3750 4500 4500 5250 ch field parameters METHOD DEVIA DE BLAC	Water Level (ft TIC) 39.58 39.62 39.64 39.64 39.64 39.64 39.64 39.64	Temp. (Celsius) [3%]* — 12.25 12.20 12.08 11.98 11.93 11.87 butive readings of BOTTOM CLES. WE	Pump Type: Samples collect Samples collect PH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457 1.460 1.462 5-minute intervible 80FT. PROXIMA:	THE SA SHOOL	DD SERI- P N (special property of the property	ORP (mV) (10 mV)*
Time 1515 1520 1536 1540 1545 1560 The stabilization of the stabi	Water Removed old Well Go Dry? Water Quality N Pump Rate (L/min.) /50 /50 /50 /50 /50 /50 /50 /5	3.5 q N Y N Neter Type(s)/S Total -Gallons Removed 750 1500 2250 3750 4500 4500 5250 ch field parameters METHOD DEVIA DE BLAC	Water Level (ft TIC) 39.58 39.62 39.64 39.64 39.64 39.64 39.64 39.64	Temp. (Celsius) [3%]* — 12.25 12.20 12.08 11.98 11.93 11.87 butive readings of BOTTOM CLES. WE	Pump Type: Samples collect Samples collect Description PH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457 1.460 1.462 5-minute intervible 80FT. PROXIMA:	THE SA SHOOL	DD SERI- P N (special property of the property	ORP (mV) (10 mV)*
Time 1515 1520 1536 1540 1545 1560 The stabilization of the stabi	Water Removed old Well Go Dry? Water Quality Mater Quality Material M	3.5 q N Y N Neter Type(s)/S Total -Gallons Removed 750 1500 2250 3750 4500 4500 5250 ch field parameters METHOD DEVIA DE BLAC	Water Level (ft TIC) 39.58 39.62 39.64 39.64 39.64 39.64 39.64 39.64	Temp. (Celsius) [3%]* — 12.25 12.20 12.08 11.98 11.93 11.87 butive readings of BOTTOM CLES. WE	Pump Type: Samples collect Samples collect Description PH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457 1.460 1.462 5-minute intervible 80FT. PROXIMA:	THE SA SHOOL	DD SERI- P N (special property of the property	ORP (mV) (10 mV)*
Time 1515 1520 1525 1530 1535 1540 1540	Water Removed old Well Go Dry? Water Quality Mater Quality Material M	3.5 q N Y N Neter Type(s)/S Total -Gallons Removed 750 1500 2250 3750 4500 4500 5250 ch field parameters METHOD DEVIA DE BLAC	Water Level (ft TIC) 39.58 39.62 39.64 39.64 39.64 39.64 39.64 39.64	Temp. (Celsius) [3%]* — 12.25 12.20 12.08 11.98 11.93 11.87 butive readings of BOTTOM CLES. WE	Pump Type: Samples collect Samples collect Description PH [0.1 units]*	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457 1.460 1.462 5-minute intervible 80FT. PROXIMA:	THE SA SHOOL	DD SERI- P N (special property of the property	ORP (mV) (10 mV)*
Time /515 /520 /525 /536 /540 /545 /560 /The stabilizations Servation (LEAR WALL) UTE	Water Removed old Well Go Dry? Water Quality Mater Quality Material M	Total Gallens Removed 750 750 750 750 750 750 750 75	Water Level (ft TIC) 39.58 39.62 39.64 39.64 39.64 39.64 39.64 39.64	Temp. (Celsius) [3%]* — 12.25 12.20 12.08 11.98 11.93 11.87 cutive readings BOROM (CLES., WE) ALL TUR	Pump Type: Samples collect Samples collect Description PH [0.1 units]* 7.49 7.38 7.49 7.37 7.17 collected at 3- to OF WELL HIRED APPL	MARSCA ted by same me HACH Sp. Cond. (mS/cm) [3%]* 1.397 1.426 1.447 1.457 1.460 1.462 5-minute intervible SOFT. PROXIMATERIAL	THE SALE SALE SALE SALE SALE SALE SALE SAL	DD SERI- P N (special property of the property	ORP (mV) [10 mV]* T1.8 55.3 47.5 44.0 48.6

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Well No. <u>ES1-5</u>	Site/GMA Name	EAST STREET AREA I NORTH - GMA
	Sampling Personnel	AESISAR
	Date	APRIL 5, 20076
		SEE PARE 1.

Time	Pump Rate (L/min.)	Total - Gallons - Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1550	150	6000	39.64	11.84	7.18	1.462	6	1.08	44.2
1600	150	6780	39.64	11.89	7.14	1.460	6	1.00	43.3
1605	150	1	39.64		7.17	1.459	5	0.99	43 1
SAMPLE	TIME	1615 -							
make at a second			-0.00.00.000			-es-			
									-

OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE NOTES FROM PAGE 1,

44611	No. ES1-	27R			Site/GMA Name	GMAN	- TART	STREET !	00-0
	No				pling Personnel	AZC	ISAB	OIKEET	TREH
PID I	Background (ppr	n)			Date				
Well	Headspace (ppn	n)		_			ABT 50s	1403, RA	11 11 0
						RAIN T	URNS TO Y	HAIL.	1194,0
	ORMATION .							13:15	
	ence Point Marked t of Reference Poi	-		6 1			Sample ID	ES1-27R	
, loigin	Well Diamet	011	Meas. From	Ground			Duplicate ID		
So	reen Interval Dep	-	Meas From	Ground			MS/MSD		
	Water Table Dep		L' Meas. From	TIL	_		Split Sample ID		
		th 19.16	Meas. From	TIC		Required	Analytica	al Parameters:	Collected
	th of Water Colum					(,) .	VOC	s (Std. list)	()
Intake Der	ne of Water in We oth of Pump/Tubir	146	⊥/ロウ Meas. From	TIL		()		(Exp. list)	()
	our or r umpridon	9 //-6	ivieas. From		-	()		VOCs	()
Reference P	Point Identification	:				() ()		s (Total) (Dissolved)	()
-	Inner (PVC) Casi	•						rganics (Total)	
	of Outer (Protectiv					()		anics (Dissolved)	()
3rade/BGS:	Ground Surface					()	PAC Cyan	ide (Dissolved)	()
Redevelop?	Y (N)					()		Ds/PCDFs	()
todorolop.	. (.)					()		es/Herbicides	(')
						()		Attenuation (Specify)	()
						, ,	Outo	(Ороску)	()
		4-2 zul	2				IALK SEK	21ES 5900	ecify ()
	Did Well Go Dry? Water Quality N	Y		y61 551	Samples collect	led by same me	ethod as evacuation	21ES 5900	y)
		Y			Samples collect	ted by same me	ethod as evacuation	21ES 5900 17 (Y) N (specifi 2B1D1METE	0)) ER
Time	Water Quality N	Y N	Serial Numbers:	V61 55	Samples collect	Sp. Cond.	ethod as evacuation 21 CDP TUE Turbidity	21ES 5900 17 N (specifi 2BIDIMETE	O ORP
	Water Quality M	Y N Meter Type(s) / S Total	Serial Numbers:	Temp.	Samples collect	ted by same me	Ethod as evacuation 21 CDP TUE Turbidity (NTU)	21ES 5900 17 (Y) N (specifi 2B1D1METE	(O y) (D)
	Water Quality M	Y N Neter Type(s) / S Total Gallons	Serial Numbers: Water Level	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time	Pump Rate (L/min.)	Y N Neter Type(s) / S Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time	Pump Rate (L/min.) /50	Y N Neter Type(s) / S Total Gallons Removed	Water Level (ft TIC) 10.07	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time 1/45 1200	Pump Rate (L/min.) /50 /50	Y N Neter Type(s) / S Total Gallons Removed	Water Level (ft TIC) 10.07 10.08	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]* 648 1 999 348	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time 1145 1200 1205	Pump Rate (L/min.) /50 /50 /50	Y N Neter Type(s) / S Total Gallons Removed	Water Level (ft TIC) 10.07 10.08 10.08	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time 1145 1200 1205	Pump Rate (L/min.) /50 /50	Y N Neter Type(s) / S Total Gallons Removed	Water Level (ft TIC) 10.07 10.08	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]* 648 1 999 348	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time	Pump Rate (L/min.) /50 /50 /50	Y N Neter Type(s) / S Total Gallons Removed	Water Level (ft TIC) 10.07 10.08 10.08	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]* 648 299 348 282	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time 1/45 1/200 1/205 1/210 1/215 1/220	Pump Rate (L/min.) /50 /50 /50 /50 /50 /50 /50	Y N Neter Type(s) / S Total Gailons Removed	Water Level (ft TIC) 10.07 10.08 10.08 10.09 10.09	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]* 648 1 999 348 282 184 159	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time 1145 1200 1205 1210 1216 1220 1220	Pump Rate (L/min.) /50 /50 /50 /50 /50 /50 /50 /5	Y N Neter Type(s) / S Total Gallons Removed	Water Level (ft TIC) 10.07 10.08 10.08 10.09 10.09 10.10	Temp. (Celsius)	Samples collect	sp. Cond.	Turbidity (NTU) [10% or 1 NTU]* 648 299 348 282 184 159	21ES 5900 17 (Y) N (specific 2B1D1METE DO (mg/l)	ORP (mV)
Time 1/45 1/200 1/205 1/210 1/215 1/220 1/225 1/230	Pump Rate (L/min.) /50 /50 /50 /50 /50 /50 /50 /5	Y N Neter Type(s)/S Total Gallons Removed	Water Level (ft TIC) 10.07 10.08 10.08 10.09 10.09 10.10 10.10	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 648 1 999 348 282 184 159 149 125	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
Time 1/45 1/200 1/205 1/210 1/210 1/220 1/220 1/220 1/200 1/	Pump Rate (L/min.) /50 /50 /50 /50 /50 /50 /50 /5	rotal Gallons Removed	Water Level (ft TIC) 10.07 10.08 10.09 10.09 10.10 10.10 10.10 ter (three consectations	Temp. (Celsius) [3%)* ———————————————————————————————————	pH [0.1 units]* collected at 3- to s PURCE	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 648 1999 348 282 184 159 149 149 145 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time 1/45 1/200 1/205 1/210 2/5 1/220 1/220 1/220 1/230 The stabilizar	Pump Rate (L/min.) /50 /50 /50 /50 /50 /50 /50 /50 /50 /50	rotal Gallons Removed	Water Level (ft TIC) 10.07 10.08 10.09 10.09 10.10 10.10 10.10 ter (three consectations	Temp. (Celsius) [3%)* ———————————————————————————————————	pH [0.1 units]* collected at 3- to s PURCE	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 648 1999 348 282 184 159 149 149 145 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*

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Well No. <u>ESI-27R</u>	Site/GMA Name	EAST STREET AREA 1 - GMAI
	Sampling Personnel	
		APRIL 3, 2006
	Weather	SEE PACE 1.

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1235	150	1.99	10.10	_			99	_	
1240	150	2.19	10.10	_	_		47		
1245	150	2.39	10-10	9.10	7.28	0.365	35	14.90	213.2
1250	150	2.59	10.10	8.96	7.49	0.360	29	7.64	210.1
1255	150	2.79	10.10	8.85	7.54	0.357	29	7.44	204.7
1300	150	2-99	10.10	8.87	7.53	0.386	30	7.38	196.2
1305	150	3.19	10.10	8.64	7.56	0.356	30	7.35	194.1
1310	150	3-39	10.10	8.69	7.57	0.356	32	7.32	192-9
	-								
									-
	-								
	4								
								26	
						-			
								-	

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

OBSERVATIONS/SAMPLING METHOD DEVIATIONS

SEE NOTES ON PAGE 1.

DEOPPING BUT STABLE WITHIN FIVE MINUTE INTERVALS. TURBIDITY STABILIZED AROUND SO AND STOPPED DRAPPING.

	o			Carre	ding Darager-1	no 1	LEET ARET		
PID Background (ppm)				_ Samp	ng Personnel	ADRIA	HB JR.		
Well I	leadspace (ppn			_	Weather	CLEPOS	CYIES ST	SUNN	11 24
WELL INCO	DHATION								
WELL INFO	RMATION nce Point Marke	d? (Ý) N						1150	
	of Reference Po	_	Meas. From					ESAIN-5	
, toight t	Well Diamet	-	Weas. From		_				
Scr		th Z'-ZZ'	Meas, From	Ground			Split Sample ID		
V	Water Table Dep	th 4.45		TIC			opiit campie ib		
	Well Dep	th 12-65		TIC		Required	Analytica	Parameters:	Collecte
	of Water Colum	-	-			(,).	VOCs	(Std. list)	(
		ell 1.34 gal		77.		()	VOCs	(Exp. list)	(
іптаке Берт	h of Pump/Tubir	1g 8-6	Meas. From	716	-	()		VOCs	(
Reference Pr	oint Identification					()		s (Total)	()
	nner (PVC) Casi					(X)		Dissolved)	
	Outer (Protectiv	3				()		rganics (Total) inics (Dissolved)	()
	Ground Surface	, ,				()		de (Dissolved)	()
	~					()		s/PCDFs	()
Redevelop?	Y (N)					()	Pesticide	s/Herbicides	()
						()	Natural	Attenuation	(')
						()	Other	(Specify)	()
	Water Quality I	Meter Type(s) / S	and at Missack assess	1101 661					y)
	Pump	Total	Water	YOI DOG	MPS, 4		The same and the s	BIDIMETE	R
Time		-				Sp. Cond.	Turbidity (NTU)	BIDIMETE DO (mg/l)	
Time	Pump	Total	Water	Temp.		Sp. Cond.	Turbidity (NTU)	DO	ORP
Time	Pump Rate	Total Gallons- Removed	Water Level	Temp. (Celsius)	рН	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
	Pump Rate (Umin.)	Total Gallons	Water Level (ft TIC)	Temp. (Celsius)	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
1015	Pump Rate (L/min.)	Total Gallons- Removed	Water Level (ft TIC) 4-45	Temp. (Celsius) [3%]*	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
1015 1020 1025	Pump Rate (L/min.)	Total Gallons- Removed	Water Level (ft TIC) 4.45 € 6.54	Temp. (Celsius) [3%]*	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* 2 999 749	DO (mg/l)	ORP (mV)
1015	Pump Rate (Umin.) / 00 / 00	Total Gallons- Removed 500	Water Level (ft TIC) 4.45 € 6.54 7.25	Temp. (Celsius) [3%]*	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* 2 999 749	DO (mg/l)	ORP (mV)
1015 1020 1025 1030	Pump Rate (Limin.) / 00 / 00 / 00	Total Gallons- Removed 500 1000	Water Level (ft TIC) 4-45	Temp. (Celsius) [3%]*	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* \$\text{999} \$749 \$\text{161} \$\text{758}\$	DO (mg/l)	ORP (mV)
1015 1020 1025 1030 1035	Pump Rate (L/min.) / 000 / 000 / 000 / 000	Total Gallons- Removed 500 1000 1500 2000	Water Level (ft TiC) 4.45 € 6.54 7.25 7.42 7.80	Temp. (Celsius) [3%]*	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* 2 999 749 161 158 75 71	DO (mg/l)	ORP (mV)
1015 1020 1035 1030 1035 1040	Pump Rate (L/min.) / 00 / 00 / 00 / 00 / 00 / 00	Total Gallons- Removed 500 1000 1500 2000 2500	Water Level (ft TIC) 4.45 € 6.54 7.25 7.42 7.80 7.71	Temp. (Celsius) [3%]*	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* \(\text{1999}\) \(\frac{749}{61}\) \(\frac{158}{75}\)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
1015 1020 1025 1030 1035 1040	Pump Rate (L/min.) / 00 / 00 / 00 / 00 / 00 / 00 / 00 / 00 / 00 / 00 / 00 / 00	Total Gallons- Removed 500 1000 1500 2000 2500 3500	Water Level (ft TIC) 4.45	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 2 999 749 161 158 75 71 76	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
1015 1025 1035 1035 1045 1060 The stabilizati	Pump Rate (L/min.) / 00 / 0	Total Gallons- Removed 500 1000 1500 2000 2500 3500	Water Level (ft TIC) 4.45 € 6.54 7.25 7.42 7.80 7.71 7.65 7.63 cer (three consec	Temp. (Cetsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 2 999 749 761 758 75 71 76 83 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]
1015 1025 1035 1035 1045 1060 The stabilizati	Pump Rate (L/min.) / 00 / 0	Total Gallons- Removed 500 1000 1500 2000 2500 3500 ach field parameter	Water Level (ft TIC) 4.45 € 6.54 7.25 7.42 7.80 7.71 7.65 7.65 7.65 7.10Ns	Temp. (Celsius) [3%]* utive readings of	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 5-minute interva	Turbidity (NTU) [10% or 1 NTU]* 2 999 749 761 758 75 71 76 83 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]
1015 1020 1025 1030 1035 1040 1045	Pump Rate (L/min.) / 00 / 0	Total Gallons- Removed 500 1000 1500 2000 2500 3500 ach field parameter	Water Level (ft TIC) 4.45 € 6.54 7.25 7.42 7.80 7.71 7.65 7.65 7.65 7.10Ns	Temp. (Celsius) [3%]* utive readings of	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 5-minute interva	Turbidity (NTU) [10% or 1 NTU]* 2 999 749 761 758 75 71 76 83 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]

Field Sampling Coordinator: Augus 5 ftsins

U:\Monitoring Well Forms\Groundwater Monitoring Form.xls

Airbill #: ___

Delivered Via: UPS GROUND /COLPETER

Well No. <u>ESAIN</u> - 52	Site/GMA Name	EAST STREET AREA I NOTETH - GMAI
	Sampling Personnel	AES/WB ()P
	Date	APRIL 5, 2006
		ST DOCT !

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]*
1055	100	4000	7.63	_	_	_	54	_	_
1100	100	4500	7-51	-	_	_	47	_	_
1106	100	5000	7.51	7.76	7.25	18'.8%	43	12.41	-72.2
1110	100	5500	7.51	8.12	8.07	18.08	36	2.60	-91.5
1115	100	6000	7.51	8.01	8.58	17.55	38	2-44	-96.6
1120	100	6500	7.51	8-08	8-31	17.00	37	2.04	-98.0
1125	100	7000	7.51	8.08	8-26	16.71	32	2.05	-99.6
1130	100	1500	7.51	8-20	8.17	16.65	29	2-06	-100.3
1135	100	8000	7.51	8.32	8.12	16.60	27	2.01	-101.0
1140	100	8500	7-51	8-80	8.10	12.59	29	1.98	-102-0
1145	100	9000	7.51	8.25	8.08	16.58	28	1.97	-102-2
,									

* The stabilization criteria for each field parameter (three c	onsecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE NOTES ON PAGE 1. PRODUCT MSIBLE ON
	WATER LEVET PROBE AT ~ 1100 AM, TURBIDITY
	STABILIZED UNDER 50 NTUS BUT ABOUT 10 NTUS.

Length of Water Column 4 · 6 '	Key No	o. LS-Mn	1-4K		_ s	ite/GMA Name	LYMAN	STREET -	GMAI	
Weather PARTIL (CLODDLY, MID SOS, CODD.) WELL INFORMATION Sample Time 196D 1		The second secon			_ Samp	oling Personne	HES +	WB JR.		
Weather PRITE (LODDL), MID 80s, CODD.	PID Ba	ckground (ppm	ı) <u>Ø</u>		_					
Reference Point Marked? N Height of Reference Point Well Diameter Z '' Meas. From Well Diameter Z '' Meas. From Ms/NSD Screen Interval Depth 9 '-1 1 ' Meas. From T/C Ms/NSD Split Sample ID Ms/NSD Screen Interval Depth 9 '-1 1 ' Meas. From T/C Required Analytical Parameters: Col Color Color	Well H	leadspace (ppm			_					2002
Height of Reference Point Wall Diameter Z '' Meas. From Crowned Spit Sample D MS/MSD Meas. From T/C Required Analytical Parameters: Cold Cold			<i>C</i> 2							
Well Diameter								Sample ID	LS-MW-	1R
Screen Interval Depth 9'-14' Meas. From Ground Spit Sample ID	Height o	of Reference Poi		Meas. From				Duplicate ID		
Water Table Depth 9.1 Meas. From TC Required Anashrical Parameters; Col Length of Water Column 9.6 (X) VOCs (Std. list) (X) VOCs (Exp. list) (X		Well Diamete		_				MS/MSD	_	
West Depth 1.5.4.gs.+								Split Sample ID		
Length of Water Column Y - 6		Well Dept	h 13.48+.			_	Required	Analytica	l Parameters:	Collected
Volume of Water in Well 1/2 3 3 3 4 5 6 6 6 6 6 6 6 6 6				_			(×).	VOC	s (Std. list)	(X)
Intake Depth of Pump/Tubing 1/2 s' Meas. From Grewnal SVOCs Reference Point Identification: () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () PCBs (Total) () Metals/Inorganics (Dissolved) () Metals/Inorganics (Dissolved) () PCDs/PCDFs () PCDDs/PCDFs () PCDDs/P	Volume	e of Water in We	10.759	<u>allon</u>			*	VOCs	(Exp. list)	()
PCBs (Dissolved) PCBs (Dissolved) PCBs (Dissolved) PCBs (Dissolved) PCC of of Inner (PVC) Casing Metals/Inorganics (Total) Metals/Inorganics (Dissolved) PCC of of Inner (PVC) Casing Metals/Inorganics (Dissolved) PCC of Officer (Protective) Casing PCC of Officer (Protective) Casing PCC of Officer (Potals/Inorganics (Dissolved) PCC officer (Dissolved) PC	Intake Depth	h of Pump/Tubin	9_//-5'	Meas. From	Ground	_	()	s	VOCs	()
PCBs (Dissolved) PCBs (Dissolved) PCBs (Dissolved) PCBs (Dissolved) PCC: Top of Inner (PVC) Casing Metals/Inorganics (Total) Metals/Inorganics (Total) Metals/Inorganics (Dissolved) PAC Cyanide (Dissolved) P							()	PCB	s (Total)	()
Metals/Inorganics (Total) (1) Meta	Reference Poi	int Identification:					(×)	PCBs	(Dissolved)	(X)
Color Colo	TIC: Top of In	nner (PVC) Casir	ng					Metals/Ino	rganics (Total)	()
PCDDSPCDFs (TOC: Top of (Outer (Protective	e) Casing				()			()
Pesticides/Herbicides	Grade/BGS: 0	Ground Surface					()	PAC Cyan	ide (Dissolved)	()
Comparison Com							()			()
Comparison Com	Redevelop?	YN					()	Pesticide	es/Herbicides	()
Pump Start Time							(' ')	Natural	Attenuation	()
Pump Start Time							()	Other	(Specify)	()
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Water Quality N	Meter Type(s) / S			4 /0-	1100.			~
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Pump	Total	Water	Temp.		Sp. Cond.	Turbidity		ORP
0815 100 1000 9.19 11.20 8.13 0.988 8 2.52 -72 0.9820 100 1500 9.20 10.76 7.26 0.992 4 1.34 -67 1825 100 2000 9.20 10.92 7.19 0.990 4 1.18 -66 1880 100 2000 9.20 10.61 7.16 0.993 3 1.06 -66 1885 100 3000 9.20 10.75 7.08 0.989 3 0.96 -66	Time	Pump Rate	Total Gallons	Water Level	Temp. (Celsius)	PH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	-35
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Pump Rate (L/min.)	Total Gallons	Water Level (ft TIC)	Temp. (Celsius) [3%]*	PH	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
1825 100 2000 9.20 10.92 7.19 0.990 4 1.18 -66 1830 100 2500 9.20 10.61 7.16 0.993 3 1.06 -66 1835 100 3000 9.20 10.75 7.08 0.989 3 0.96 -66	0805	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC) 9.16 9.18	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]*
1885 100 3000 9.20 10.61 7.16 0.993 3 1.06 -66 1885 100 3000 9.20 10.75 7.08 0.989 3 0.96 -66	0805 0870 0875	Pump Rate (Umin.)	Total Gallons Removed 500	Water Level (ft TIC) 9.16 9.18	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]* — 2.52	ORP (mV) [10 mV]*
1885 100 3000 9.20 10.75 7.08 0.989 3 0.96 -66	0805 0870 0875 0875	Pump Rate (L/min.) /070 /070 /070	Total Gallons Removed 500 /000	Water Level (ft TIC) 9.16 9.18 9.19 9.20	Temp. (Celsius) [3%]* - - 11.20	pH [0.1 units]* 8.13 7.26	Sp. Cond. (mS/cm) [3%]* — — — — — — — 0.988	Turbidity (NTU) [10% or 1 NTU]* /9 // // // 8	DO (mg/l) [10% or 0.1 mg/l]* 2.52 1.34	ORP (mV) [10 mV]*
	0805 0870 0875 0875	Pump Rate (L/min.) /070 /070 /070 /070 /070	Total Gallons Removed 500 1000 1500 2000	Water Level (ft TIC) 9.16 9.18 9.19 9.20 9.20	Temp. (Celsius) [3%]* 11.20 10.76 10.92	pH [0.1 units]* 8.13 7.26 7.19	Sp. Cond. (mS/cm) [3%]* — — — — — — — — — — — — — — — — — — —	Turbidity (NTU) [10% or 1 NTU]* /9 // // // 8 4	DO (mg/l) [10% or 0.1 mg/l]* 2.52 1.34 1.18	ORP (mV) [10 mV]* - -72.9 -67.5 -66.7
$\mathbf{N}(\mathbf{U}\mathbf{N} + 1/1) \mathbf{N} + 371/(1 + 7/1) \mathbf{U} + 1/1 \mathbf{N} \mathbf{U} + 1/1 \mathbf{N} \mathbf{U} + 1/1 \mathbf{U} \mathbf{U} + 1/1 \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U}$	0805 0870 0875 0875 0870	Pump Rate (L/min.) /070 /070 /070 /070 /070 /070	Total Gallons Removed 500 /000 /500 2000	Water Level (ft TIC) 9.16 9.18 9.19 9.20 9.20	Temp. (Celsius) [3%]* - - 11.20 10.76 10.92 10.bl	pH [0.1 units]* 8.13 7.26 7.16	Sp. Cond. (mS/cm) [3%]* - 0.988 0.992 0.993	Turbidity (NTU) [10% or 1 NTU]* /9 /0 8 4 4 3	DO (mg/l) [10% or 0.1 mg/l]* 2.52 1.34 1.18	ORP (mV) [10 mV]* - -72.9 -67.5 -66.7
100 100 1000 1.00 10.86 4.04 0.110 2 0.81 04	0805 0870 0815 0820 0825 0830	Pump Rate (L/min.) /070 /070 /070 /070 /070 /070 /070 /070 /070 /070 /070	Total Gallons Removed 500 1000 1500 2000 2500 3000	Water Level (ft TIC) 9.16 9.18 9.19 9.20 9.20 9.20	Temp. (Celsius) [3%]* - 11.20 10.76 10.92 10.61 10.75	pH [0.1 units]* - 8.13 7.26 7.16 7.08	Sp. Cond. (mS/cm) [3%]* - 0.988 0.992 0.993 0.989	Turbidity (NTU) [10% or 1 NTU]* /9 /0 8 4 4 3	DO (mg/l) [10% or 0.1 mg/l]* - 2.52 1.34 1.18 1.06 0.96	ORP (mV) [10 mV]* - -72.9 -67.5 -66.7
The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading. INTRAL PURSE IS CUSTRE: LOW TURNING!	0805 0810 0815 0820 825	Pump Rate (L/min.) /070 /070 /070 /070 /070 /070	Total Gallons Removed 500 /000 /500 2000	Water Level (ft TIC) 9.16 9.18 9.19 9.20 9.20	Temp. (Celsius) [3%]* - - 11.20 10.76 10.92 10.bl	pH [0.1 units]* 8.13 7.26 7.16	Sp. Cond. (mS/cm) [3%]* - 0.988 0.992 0.993	Turbidity (NTU) [10% or 1 NTU]* /9 /0 8 4 4 3	DO (mg/l) [10% or 0.1 mg/l]* 2.52 1.34 1.18	ORP (mV) [10 mV]* - -72.9 -67.5 -66.7

Well No. <u>LS-MW-4R</u>	Site/GMA Name	LYMAN STREET - GMAI
		AES/WBJE.
		APRIL \$ 7, 2006
		SEE PAGE 1.

Time	Pump Rate (L/min.)	Total Callons 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]*
0845	100	4000	9.20	10.91	7.01	0.989	2	0.81	-64.5
0850	100	4500	9.20	10.96	7.00	0.989	1	0.75	-65.9
0855	100	5000	9.20	11.06	6.96	0.988	1	0.72	-65.8
SAMPL	ETIME								
		,							
	-								
				-					
450						-		-	
			-						
						-			

OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE NOTES ON PAGE 1.

Reference Point Marked? WELL INFORMATION Reference Point Marked? Well Point Marked? Well Diameter 21		16MAI		per li li					No. <u>18-29</u>	
Well Headspace (ppm) — Weather CLERN SKLES, SUNDLY, APPL Wether CLERN SKLES, SUNDLY, APPL Sample 10		,	WROR.	AER +	pling Personne	Sam			No	Key I
Weather CLER SKIES, SUNDY, APA Weather CLER SKIES, SUNDY, APA Reference Point Marked? N Reference Point Marked? N Well Disherter 2 11 Water Table Depth 24:5-34. Meas. From 1/12 Length of Water Column 20:52 Length of Water Invest 3:3-3-2-11 on 1 Length of Water Column 20:52 Length of Water Column 20:52 Length of Water Invest 3:3-3-2-11 on 1 Length of Water Column 20:52 Length of Water Invest 3:3-3-2-11 on 1 Length of Water Column 20:52 Length of Water Invest 3:3-3-2-11 on 1 Length of Water Column 20:52 Length of Water Invest 3:3-3-2-11 on 1 Length of Water Column 20:52 Length of Water Column 20:52 Length of Water Column 30:52 Meas. From 1/2 Meas.			5, 200-	APRIL	Date			1)	Background (ppn	PID B
WELL INFORMATION Reference Point Marked? Well Diameter Screen interval Depth 24.5.4 20.5 Well Dameter Well Diameter Screen interval Depth 24.5.4 20.5 Well Depth 24.5.4 20.5 Well Depth 24.5.4 20.5 Well Depth 25.6 20.5 Well Depth 25.6 20.5 Well Depth 26.5.4 20.5 Well Depth 27.6 20.5 Well Screen interval Depth 27.6 20.5 Well	'AXIMPTE	APPRI APPRI	KIES, SUN	CLEARS	Weather			1)	Headspace (ppn	Well
Reference Point Marked? N Height of Reference Point Wild Diameter 21										
Height of Reference Point Well Diameter Screen Interval Depth 12.1—74.1 Meas. From 71/2 Water Table Depth 14.0 \(\) Meas. From 71/2 Well Depth 14.0 \(\) Meas. From 71/2 Well Depth 14.0 \(\) Meas. From 71/2 Well Depth 14.0 \(\) Meas. From 71/2 Required Length of Water Column 20.8 \(\) + 28 = 34.2 \(\) + 4.4 \(\) , \(\) VOCs (Std. list) Underson of Water in Well 3.32 \(\) 1.32 \(\) 1 (Industries) Underson of Water in Well 3.32 \(\) 1.32 \(\) 1 (Industries) Well Depth of PumpTrubing 79.6 \(\) Meas. From 71/2 Meas. From 71/2 Required Analytical Parameters: VOCs (Std. list) VOCs (Std. list) VOCs (Exp. list) Intake Depth of PumpTrubing 79.6 \(\) Meas. From 71/2 Meas. From 71/2 Required Analytical Parameters: VOCs (Std. list) VOCs (Exp. list) VOCs (Exp										
Screen Interval Dopth 24.6										
Screen Interval Depth			Duplicate ID		_					Height
Water Table Depth						1 2 0	-, , -,	-		90
West Depth 34-812 Meas. From 1/C Required Analytical Parameters: VOCs (RSP, list) Volume of Water in West 3-32 10 n s () VOCs (Exp. list) Intake Depth of Pump/Tubing 29-6 Meas. From 1/C () SVOCs (Exp. list) S			Split Sample ID		_					
Length of Water Column 20.8L	Collected	I Parameters:	Analytica	Required		n 710	Meas. From			
Volume of Water in Well 3.32	()					= 34.64	L+.28	n_20.86	h of Water Colum	
PCBs (Total) PCBs (Total) PCBs (Total) PCBs (Dissolved) PCBs (Dissolved) PCBs (Dissolved) PCBs (Dissolved) PCBs (Dissolved) PCC (Dissolved	()			()			Sllons			
PCBs (Dissolved) PCBs (Dissolved) PCBs (Dissolved) PCB (Dissolved) PCDs (PVC) Casing Circle of Inner (Inner (In	()	VOCs	S	()	_	71C	Meas. Fron	9 29.6	th of Pump/Tubin	Intake Dep
C: Top of Inner (PVC) Casing	()	s (Total)	PCB:	, ,						
DC: Top of Outer (Protective) Casing	(X)	Dissolved)	PCBs ((\times)						
PAC Cyanide (Dissolved) PAC Cyanide (Dissolved) PAC Cyanide (Dissolved) PCDDs/PCDFs Pesticides/Herbicides PCDDs/PCDFs PCDS/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDS/PCDFs PCDS/PCDFs PCDDs/PCDFs PCDDs/PCDFs PCDS/PCDFs PCD	()	rganics (Total)	Metals/Inor	()				•		
Procognostrope Pesticides/Herbicides Pesticides/Herbicides Natural Attenuation Other (Specify)	()	,	_					e) Casing		
Pesticides/Herbicides Natural Atternuation Other (Specify)	()		•						Ground Surface	iaue/bGS.
Natural Attenuation Other (Specify)	()								Y Ø	edevelop?
Composition	()								0	
Pump Start Time	()									
Removed (ft TIC) [3%]* [0.1 units]* [3%]* [10% or 1 NTU]* [10% or 0.1 mg/l] [355 100 - 14.28 - - - 49 - - - 49 - - - 49 - - - 400 100 14.28 - - - - - - - - -		Other/Sp	ubmersible Pump (MP Z thod as evacuation	op (X) Si SEOPUI sted by same me	Peristaltic Pum Pump Type: Samples collect			70 70 1.85	Pump Stop Time nutes of Pumping f Water Removed Did Well Go Dry?	Min Volume of
400 100 500 14.28 - - - 56 - 405 160 1600 14.58 - - - 74 - 410 160 1500 14.28 9.96 8.32 0.679 30 5.98 41.5 100 2000 14.28 9.47 8.08 0.652 24 5.36 420 160 2500 14.28 9.69 8.24 0.591 22 4.80 425 160 3000 14.28 10.28 8.13 0.568 19 4.39 480 100 3500 14.28 9.73 1.99 0.523 21 4.37 he stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	cify)	Other/Sp 17 Y N (special PBIDIMET	ubmersible Pump(MP Z thod as evacuation CLOOP TUI Turbidity	pp (X) Si GEOPU ted by same me HACH (Peristaltic Pum Pump Type: Samples collect	Temp.	Serial Numbers:	75 0 3 70 7.85 Y N	Pump Stop Time nutes of Pumping Water Removed Did Well Go Dry? Water Quality N	Mir Volume of
#10 100 1500 14.58 -	ORP (mV)	Other/Sp Y N (special PBIDIMET DO (mg/l)	thod as evacuation Turbidity (NTU)	sp (X) Si SEOPU ted by same me HACH Sp. Cond. (mS/cm)	Peristaltic Purn Pump Type: Samples collect MPS,	Temp. (Celsius)	Serial Numbers: Water Level	7503 70 7.857 Y N Meter Type(s)/S Total	Pump Stop Time nutes of Pumping Water Removed Did Well Go Dry? Water Quality I Pump Rate	Mii Volume of
#10	ORP (mV)	Other/Sp Y N (special PBIDIMET DO (mg/l)	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	Sp. Cond. (mS/cm) [3%]*	Peristaltic Pur Pump Type: Samples collect MPS , pH	Temp. (Celsius)	Water Level (ft TIC)	7503 70 7.857 Y N Meter Type(s)/S Total	Pump Stop Time nutes of Pumping Water Removed Did Well Go Dry? Water Quality N Pump Rate	Min Volume of
H.5 I 00 Z006 I4.28 9.47 8.08 I - 1652 24 5.36 420 I 00 Z500 I4.28 9.69 8.24 0.591 Z2 4.80 425 I 00 3000 I4.28 10.28 8.13 0.568 19 4.39 480 I 00 3500 I4.28 9.73 7.99 0.523 21 4.37 re stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	ORP (mV)	Other/Sp Y N (special PBIDIMET DO (mg/l)	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	sp (X) Si SEOPU ted by same me HACH Sp. Cond. (mS/cm) [3%]*	Peristaltic Pur Pump Type: Samples collect MPS , pH	Temp. (Celsius)	Water Level (ft TIC)	7503 70 7.857 Y N Meter Type(s)/S Total Gultons Removed	Pump Stop Time nutes of Pumping Water Removed Did Well Go Dry? Water Quality N Pump Rate (Comm.)	Min Volume of
420 100 2500 14.28 9.69 8.24 0.591 22 4.80 425 100 3000 14.28 10.28 8.13 0.568 19 9.39 480 100 3500 14.28 9.73 1.99 0.523 21 4.37 ne stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	ORP (mV)	Other/Sp Y N (special PBIDIMET DO (mg/l)	thod as evacuation Turbidity (NTU) [10% or 1 NTU]*	sp (X) Si SEOPU ted by same me HACH Sp. Cond. (mS/cm) [3%]*	Peristaltic Pur Pump Type: Samples collect MPS , pH	Temp. (Celsius)	Water Level (ft TIC) 14.28 14.28	7503 70 1.85 Y Noteter Type(s)/S Total Suttens Removed	Pump Stop Time nutes of Pumping f Water Removed Did Well Go Dry? Water Quality M Pump Rate (Cmin.)	Min Volume of
420 100 2500 14.28 9.69 8.24 0.591 22 4.80 425 100 3000 14.28 10.28 8.13 0.568 19 9.39 460 100 3500 14.28 9.73 7.99 0.523 21 4.37 he stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	ORP (mV)	Other/Sp P Y N (special PBIDIMET DO (mg/l) [10% or 0.1 mg/l]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]* 49 24	sp (X) Si SEOPU ted by same me HACH Sp. Cond. (mS/cm) [3%]*	Peristaltic Pum Pump Type: Samples collect MPS, pH [0.1 units]*	Temp. (Celsius) [3%]*	Water Level (ft TIC) 14.28 14.28	7503 70 7.857. Y N Meter Type(s) / S Total Sations Removed	Pump Stop Time nutes of Pumping Water Removed Did Well Go Dry? Water Quality M Pump Rate (Cmin.) /// /// /// /// /// /// /// /// ///	Min Volume of State o
180 107 3500 14. 28 9. 73 7. 99 0. 523 21 4.37 The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	ORP (mV) [10 mV]*	Other/Sp. Y N (special Part of the Part o	thod as evacuation Turbidity (NTU) [10% or 1 NTU]* 49 56 24	Sp. Cond. (mS/cm) [3%]*	Peristaltic Purr Pump Type: Samples collect MPS, pH [0.1 units]*	Temp. (Celsius) [3%]* — — — — — — — — — — — — — — — — — —	Water Level (ft TIC) 14.28 14.28 14.58	7503 70 1.857 Y N Meter Type(s)/S Total Cations Removed	Pump Stop Time nutes of Pumping Water Removed Did Well Go Dry? Water Quality N Pump Rate (Comm.) //// //// //// //// //// //// ////	Min Volume of I
he stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	ORP (mV) 10 mV]*	DO (mg/l) (10% or 0.1 mg/l)*	thorersible Pump (MP Z) thod as evacuation CLOOP TUI Turbidity (NTU) [10% or 1 NTU]* 49 56 24	Sp. Cond. (mS/cm) [3%]* - 0.679	Peristaltic Pum Pump Type: Samples collect MPS, pH [0.1 units]*	Temp. (Celsius) [3%]*	Water Level (ft TIC) 14.28 14.58 14.58 14.28	75 03 70 7.85 Y N Neter Type(s) / S Total Sultons Removed 500 /500	Pump Stop Time nutes of Pumping f Water Removed Did Well Go Dry? Water Quality M Pump Rate (Cmin.) / OC / OC / OC	Min Volume of 1
	ORP (mV) 10 mV) 21.3 33.8	Other/Sp. P Y N (special PBIDIMET DO (mg/l)) [10% or 0.1 mg/l]*	thod as evacuation Turbidity (NTU) [10% or 1 NTU]* 49 56 24 30 24	Sp. Cond. (mS/cm) [3%]* 0.679 0.591	Peristaltic Purr Pump Type: Samples collect MPS, pH [0.1 units]*	Temp. (Celsius) [3%]*	Water Level (ft TIC) 14.28 14.28 14.58 14.28 14.28	7503 70 1.85 Y N Meter Type(s)/S Total Cultons Removed 500 1500 1500 2500	Pump Stop Time nutes of Pumping Water Removed Did Well Go Dry? Water Quality N Pump Rate (Comm.) //// //// //// //// //// //// ////	Min Volume of 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SERVATIONS/SAMPLING METHOD DEVIATIONS /NITTAL PURE HAS SOTTOE BLACK PARTICLES.	ORP (mV) 10 mV) 24.3 33.8 40.7	DO (mg/l) (10% or 0.1 mg/l)*	thorersible Pump (MP Z) thod as evacuation Turbidity (NTU) [10% or 1 NTU]* 49 56 24 30 24- 22 19	sp. (X) Si GEOPUI ted by same me HACH (MS/cm) [3%]*	Peristaltic Purr Pump Type: Samples collect MPS, pH [0.1 units]*	Temp. (Celsius) [3%]* 9.96 9.47 9.69 10:28	Water Level (ft TIC) 14.28 14.28 14.28 14.28 14.28 14.28	75 03 70 7.85 Y N Neter Type(s) / S Removed 500 /500 /500 2500 3000	Pump Stop Time nutes of Pumping f Water Removed Did Well Go Dry? Water Quality M Pump Rate (Commit) //// /// /// /// /// /// /// /// ///	Min Volume of 1
MPLE DESTINATION	ORP (mV) 10 mV)	Other/Sp. Y N (special Part of the Part o	thomersible Pump (MP Z) thod as evacuation 2100P TUI Turbidity (NTU) [10% or 1 NTU]* 49 56 24 24 22 19 21 als) is listed in each	sp. Cond. (ms/cm) [3%]* 0.649 0.649 0.552 0.591 0.568 0.523 5-minute interval	Peristaltic Pum Pump Type: Samples collect MPS, pH [0.1 units]*	Temp. (Celsius) [3%]* — — — — — — — — — — — — — — — — — —	Water Level (ft TIC) 14.28 14.58 14.28 14.28 14.28 14.28 14.28 14.28 14.28 14.28 14.28 14.28 14.28	75 0 3 70 7.8 5 7. Y N Meter Type(s) / S Total Cultons Removed	Pump Stop Time nutes of Pumping Water Removed Did Well Go Dry? Water Quality N Pump Rate (Comm.) //// /// /// /// /// /// /// /// ///	Min Volume of 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

U:\Monitoring Well Forms\Groundwater Monitoring Form.xls

Well No. <u>18-29</u> Site/GMA	Name LYMAN STREET - GMA1
Sampling Per	rsonnel AES + WBUR.
	Date APRIL 5, 2002
v	Veather SEE PACE 1

Time	Pump Rate - (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0,1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1435	100	4000	14.28	9.73	8.01	0.518	21	4.16	46.5
1440	100	4500	14.28	9.84	8-03	0.518	18	4.13	47.0
1445	100	5000	14.28	1	7.98	0.314	17	4.10	49.2
1460	100	5500	14.28	10.02		0.513	18	4.13	55.0
SAMPLI	= 71ME	1455 -							
	7								,
							572		
		,							

OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE NOTES ON PAGE 1.

	Background (pp				pling Personne	1 HVS +	JIBJR.		
Wal								PPEIL 5,200	7
****	Headspace (pp	m)		_	Weather	BUNNI	CHILLY	MID 408	<i>a</i>
WELL INF	ORMATION							1685	
Refer	ence Point Marke	ed? 🕅 N					Sample Time	188C-08	3
Heigh	t of Reference Po	oint	Meas. From	1					
	Well Diame						MS/MSD		
+ 22 S	creen Interval De			Ground	4		Split Sample ID)	
- + 2	Water Table De	oth <u>//.48</u> oth <u>/4-45</u>		770	-	Poguirod	Anakdina	1.0	
Leng	th of Water Colu	mn 2.95		-/-	_	Required		al Parameters: s (Std. list)	Collec
Volu	me of Water in W	ell 0.48 q	allons			() .		(Exp. list)	(
Intake De	oth of Pump/Tubi	ng 13.20	Meas. From	TIC_	_	()		SVOCs	(
Deference						()	PCB	s (Total)	(
	Point Identification					(X)		(Dissolved)	$(\times$
	Inner (PVC) Cas of Outer (Protecti	•				()		organics (Total)	(
	Ground Surface	,				()		anics (Dissolved)	(
	<u>~</u>					()		ide (Dissolved) Ds/PCDFs	(
						()		es/Herbicides	(
Redevelop	(\hat{N})								
Redevelop	Y (N)					()	Natural	Attenuation	(
EVACUATION	ON INFORMATION Pump Start Time Pump Stop Time inutes of Pumpin f Water Remove Did Well Go Dry	6 1620 6 1650 9 90 2.41	_ _ 		Peristaltic Pum Pump Type:	ethod: Bailer	Other	(Specify) Pump ()() () Other/Sp. S. 59 (000)	
EVACUATION	ON INFORMATION Pump Start Time Pump Stop Time inutes of Pumpin f Water Remove Did Well Go Dry	1620 1650 90 2.41		4 81 556	Peristaltic Pum Pump Type: Samples collec	ethod: Bailer on Societed by same me	Other () Bladder ubmersible Pump PUK SEPLE thod as evacuation	(Specify) Pump ()() () Other/Sp. S. 59 (000)	pecify ()
EVACUATION	ON INFORMATION Pump Start Time Pump Stop Time inutes of Pumpin f Water Remove Did Well Go Dry	1620 1650 90 2.41			Peristaltic Pum Pump Type: Samples collect	ethod: Bailer in S MARSCH. Sted by same me	Other () Bladder ubmersible Pump PUIC SEPLE thod as evacuation	Pump (X) () Other/Sp S 59 (000) 17 (Y) N (specil	
EVACUATION	Pump Start Tim Pump Stop Tim inutes of Pumpin if Water Remove Did Well Go Dry Water Quality	e 1520 e 1650 g 90 d 2.41 N Meter Type(s)/S	Serial Numbers:	<u>US1 556</u> Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collec	ethod: Bailer on Societed by same me	Other () Bladder ubmersible Pump PUK SEPLE thod as evacuation	Pump (X) () Other/Sp S 59 000 n? () N (specify)	pecify ()
EVACUATION M Volume o	Pump Start Tim Pump Start Tim Pump Stop Tim inutes of Pumpin of Water Remove Did Well Go Dry Water Quality	e 1520 e 1650 g 90 d 2.49 n ? Y N	Serial Numbers:	Temp.	Peristaltic Pum Pump Type: Samples collect	ethod: Bailer in p () S MARSCH 21 Sp. Cond.	Other () Bladder ubmersible Pump PUK SEPLE thod as evacuation (ODP TURE Turbidity (NTU)	Pump (X) () Other/Sp S 59 000 n? () N (specil	pecify ()
EVACUATION M Volume o	Pump Start Tim Pump Stop Tim inutes of Pumpin f Water Remove Did Well Go Dry Water Quality Pump Rate	e 1520 e 76 50 g 90 d 2.49 N Meter Type(s)/S	Gerial Numbers: Water Level	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect PMPS PH	ethod: Bailer in p () S MARSCH 21 Sp. Cond. (mS/cm)	Other () Bladder ubmersible Pump PUK SEPLE thod as evacuation (ODP TURE Turbidity (NTU)	Pump (X) () Other/Sp S 59 (000) 17 () N (specification of the control of the c	ORP
W Volume of	Pump Start Tim Pump Stop Tim inutes of Pumpin f Water Remove Did Well Go Dry Water Quality Pump Rate (Limin)	e 1520 e 76 50 g 90 d 2.49 N Meter Type(s)/S	Gerial Numbers: Water Level (ft TIC)	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect PMPS PH	ethod: Bailer in p () S MARSCH 21 Sp. Cond. (mS/cm)	Other () Bladder ubmersible Pump (PLIC STREE) Ithod as evacuation (OD P TURE) Turbidity (NTU) [10% or 1 NTU]*	Pump (X) () Other/Sp S 59 (000) 17 () N (specification of the control of the c	oecify () fy) ORP (mV)
Volume of Time	Pump Start Tim Pump Stop Tim inutes of Pumpin f Water Remove Did Well Go Dry Water Quality Pump Rate (Umin)	e 1520 e 16 50 g 90 d 2.49 Y N Meter Type(s) / S Total	Water Level (ft TIC)	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect PMPS PH	ethod: Bailer in p () S MARSCH 21 Sp. Cond. (mS/cm)	Other () Bladder ubmersible Pump (PUL SEPLE) athod as evacuation (DDP TURE) Turbidity (NTU) [10% or 1 NTU]*	Pump (X) () Other/Sp S 59 (000) 17 () N (specification of the control of the c	oecify () fy) ORP (mV)
Volume of 1520	ON INFORMATION Pump Start Time Pump Stop Time inutes of Pumpin of Water Remove Did Well Go Dry Water Quality Pump Rate -(L/min) /OO	e 1520 e 16 50 g 90 d 2.4 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Water Level (ft TIC) 11.76	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collect MPS pH [0.1 units]*	ethod: Bailer in p () S MARSCH 21 Sp. Cond. (mS/cm)	Other () Bladder ubmersible Pump (PLIC STPIE) Ithod as evacuation (DDP TURE) Turbidity (NTU) [10% or 1 NTU]*	Pump (X) () Other/Sp S 59 (000) 17 () N (specification of the control of the c	oecify () fy) ORP (mV)
M Volume of Time 1520 1525	Pump Start Tim Pump Stop Tim inutes of Pumpin f Water Remove Did Well Go Dry Water Quality Pump Rate -(L/min) /00	e 1620 e 1650 g 90 d 2.41 P N Meter Type(s)/S Total Gattons Removed 500 1000	Water Level (ft TIC) 11. 96	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collect MPS pH [0.1 units]*	sthod: Bailer inp () S MARESCH 21 Steel by same mediated	Other () Bladder ubmersible Pump (PUK SEPLE) athod as evacuation (ODP TURE) Turbidity (NTU) [10% or 1 NTU]* 103 81 56	Pump (X) () Other/Sp S 59 (000) 17 () N (specification of the control of the c	oecify () fy) ORP (mV)
Time 1520 1535	ON INFORMATION Pump Start Tim Pump Stop Tim inutes of Pumpin if Water Remove Did Well Go Dry Water Quality Pump Rate -(L/min) /00 /00	e 1520 e 16 50 g 90 d 2.4 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Water Level (ft TIC) 11. 76 11. 96 11. 96	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collect MPS pH [0.1 units]*	sthod: Bailer inp () S MARESCH 21 Steel by same mediated	Other () Bladder ubmersible Pump (PUK SEP IE) (Ithod as evacuation (IDP TURE) Turbidity (INTU) (I10% or 1 NTU)* 103 8 56 54	Pump (X) () Other/Sp S 59,000 ? () N (special state of the content of the cont	ORP (mV) [10 mV
Time 1520 1525 1530	Pump Start Tim Pump Stop Tim inutes of Pumpin of Water Remove Did Well Go Dry Water Quality Pump Rate (L/min) /// /// /// /// /// /// /// /// /// /	1520 1650 90 2.4 1.2	Water Level (ft TIC) 11. 76 11. 96 11. 96 11. 96 11. 96	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collect PMPS pH [0.1 units]*	ethod: Bailer inp () S MAISSCH 21 Sted by same me 11 A CH 21 Sp. Cond. (mS/cm) [3%]*	Other () Bladder ubmersible Pump PUK SEPLE sthod as evacuation (ODP TORE) Turbidity (NTU) [10% or 1 NTU]* /// 8 56 54 44	Pump (X) () Other/Sp S 59,000 17 N (specify) DO (mg/l) [10% or 0.1 mg/l]*	oecify () fy) ORP (mV)
Time 1520 1525 1535 1540 1545	Pump Start Tim Pump Stop Tim inutes of Pumpin if Water Remove Did Well Go Dry Water Quality Pump Rate (Limin) /OD /OD /OD	1520 1650 1650 1700	Water Level (ft TIC) 11. 76 11. 96 11. 96 11. 96 11. 96	Temp. (Celsius) [3%]* 9.06	Peristaltic Pum Pump Type: Samples collect PMPS pH [0.1 units]*	sthod: Bailer inp () S MARSCH 21 Sp. Cond. (mS/cm) [3%]*	Other () Bladder ubmersible Pump (PUK SEPLE) athod as evacuation (PUP TURE) Turbidity ((NTU) (10% or 1 NTU)* 103 81 56 54 44 40	Pump (X) () Other/Sp S 59,000 n? () N (special SIDIMETER DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 m\

Laboratory: SGS WEST VIRGINIA

Delivered Via: UPS GROUND / CCT TRIER Airbill #:

Field Sampling Coordinator: June 1 Hannin

Well No. <u>LSSC - 08S</u>	Site/GMA Name	LYMAN STREET - GMAI
	Sampling Personnel	AES/WB JR.
	Date	APRIL 5, ZOOB
		SEE PAGE 1.

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]*
100	4000	11.96	8.83	7.06	1.483	21	1.48	-53.4
100	4500	11.96	8.90	7.09	1.478	19	1-33	-50.6
100	5000	11.96	8.93	7-11	1.472	17	1-26	-47.8
100	5500	11.96	8.87	7.04	1.467	18	1.18	-45.1
100	6000	11.96	9.05	7.05	1.478	17	1.15	-45.5
100	6500	11.96	8.97	7.03	1-479	16	1.12	-44.3
100	7000	11.96	9.02	7.01	1.478	17	1.13	-44.5
E TIME	1635 -							
						/		
				- Jago				
	-							
	Rate (t/min.) /00 /00 /00 /00 /00 /00 /00 /	Rate (t/min.) Removed 100 4050 100 4500 100 5500 100 6000 100 7000 7000 7000 7000	Rate (t/min.) Removed (ft TIC) 100 4050 11.96 100 5000 11.96 100 5500 11.96 100 6000 11.96 100 6000 11.96 100 100 6000 11.96 100 100 7000 11.96	Rate (Celsius) (Celsius) (Removed (ft TIC) (Celsius) (1.96) (1.96) (Removed (ft TIC) (Removed (ft TIC) (1.96) (Removed (ft TIC) (Removed (ft TIC) (1.96) (Removed (ft TIC) (Remo	Rate (L/min.) Removed (ft TIC) (Celsius) (0.1 units)* 100 4000 11.96 8.83 7-06 100 4500 11.96 8.90 7.09 100 5000 11.96 8.93 7-11 100 5500 11.96 8.87 7.04 100 6000 11.96 9.05 7.05 100 7000 11.96 8.97 7.08 100 7000 11.96 9.02 7.01 TIME 1635	Rate (t/min:) Removed (ft TIC) (3%)* [0.1 units]* (mS/cm) (100) 4000 11.96 8.83 7.06 1.483 100 4500 11.96 8.90 7.09 1.478 100 5500 11.96 8.87 7.04 1.467 100 6000 11.96 8.97 7.05 1.478 100 6500 11.96 8.97 7.05 1.478 100 7000 11.96 9.05 7.05 1.478 100 7000 11.96 9.02 7.01 1.478 7.00 7.000 11.96 9.02 7.01 1.478 7.00 7.000 11.96 9.02 7.01 1.478	Rate	Rate (t-min-) Removed (RTIC) (Celsius) (Signature) (INTU) (MID) (M

* The stabilization criteria for each field parameter (three co	onsecutive readings collected at 3- to 5-minute intervals) is listed in each c	olumn heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE NOTES ON PAGE 1.	~

Well N	10. 188C	168					STREET - G	MAI	
-				Samp	oling Personnel	1 4			
	ackground (ppn			_	Date	APRIL E	,2006		
Well	Headspace (ppn	n)		-	Weather	OVERCAR	T, CLOUDY	Some 81	UN, MID
WELL INFO	RMATION nce Point Market	d2 V N							ME = 154
								188C-165	5
Height	of Reference Poi	0.11	Meas. From		_		Duplicate ID		
0	Well Diamet						MS/MSE	188C-168	MRIMED
	reen Interval Dep			Ground	_		Split Sample ID		
,	Water Table Dep 4. Ø 4 Well Dep	th 9.19	Meas. From						
			Meas. From	710	_	Required	Analytica	I Parameters:	Collected
Lengu	n of Water Colum					(,) .	VOC	s (Std. list)	()
	e of Water in We		[al(sn	→1 ,		(\times)	VOCs	(Exp. list)	(><)
таке рер	th of Pump/Tubin	1g_//-6	Meas. From		_	()	S	VOCs	()
Deference D	-1-41					()		s (Total)	()
	oint Identification					()	PCBs	(Dissolved)	()
-	Inner (PVC) Casi	•				()	Metals/Inc	rganics (Total)	()
	Outer (Protectiv	,				() ~	Metals/Inorga	anics (Dissolved)	()
Grade/BGS;	Ground Surface					()	PAC Cyan	ide (Dissolved)	()
	· (3)					()	PCDI	Ds/PCDFs	()
Redevelop?	Y (N)					()	Pesticide	es/Herbicides	()
						()	Natural	Attenuation	()
						()	Other	(Specify)	()
	mL/mi	Meter Type(s) / S		481 56k	Samples collec	ted by same me	APLK SPE thod as evacuation		cify)
	Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	- Oallons -	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)
	-(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]	* [10 mV]*
1405	100		9.19	_	_	_	1999	_	_
410	100	500	9.21	_	_	_	1999	_	
1415	100	1000	9.22		_		514	_	
1420	100	1500	9.22		_		287		-
1425	100	2000	9.22				182		-
1430	100	2500	9.22		-		124		-
1485	100	3000	9.22	_			102	_	-
1990	100	3500	9.22	~		_	8.5	_	
	ion criteria for ea							n column heading.	1.07.6
					ACK PAR			10001	**//F(
							4.40		`
AMPLE DEST	TINATION								
Laboratory:									
Delivered Via:									
					Field Sampling	Coordinator	Amer	5/10	
				ı	Fleld Sampling	Coordinator: ,	June	Thin	

Well No. LSSC-168	Site/GMA Name	LYMAN STREET - GMAI
	Sampling Personnel	AES + WB dR.
	Date	APRIL 6, 2006
		SFE PAGE 1.

WELL	INFORMATION	- See	Page 1	1	,
	201/	min	. •	m_I	_

Time	Pump Rate	Total Callens 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]
1445	100	4000	9.22		_	-	74	_	_
1450	100	4500	9.22	_	_	_	67	-	_
1455	100	5000	9.22	_	_	4.	50	_	_
1500	100	5500	9.22	_	_	_	48	_	_
1505	100	6000	9.22	10.97	7.26	0.795	47	10.49	147.3
1510	100	6500	9.22	10.79	7.07	0.792	47	4.58	149-6
1815	100	7000	9.22	10.76	7.08	0.788	35	4.51	131.4
520	100	7500	9.22	10.70	7.13	0.792	36	4.34	122.9
1525	100	8000	9.22	10.69	7.12	0.793	41	4.21	117.2
580	100	8500	9.22	10.45	7.14	0.791	42	4.18	109.6
585	100	9000	9.22	10.54	7.13	0.790	40	4.13	103.5
540	100	9500	9.22	10.41	7.14	0.789	42	4.11	102.5
	7								
	86		altinum in my						

* The stabilization criteria for each field parameter (three	consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE NOTES ON PAGE 1. TURBIDITY WOULD NOT
	STABILIZE BEZOW 40 NTU.

Well N	o. 188C-	18		s	ite/GMA Name	GIMAN	STREET -	GMAI	
Key N	0				ling Personnel				
PID B	ackground (ppm	1 70			Date	100	APRIL 7,	20256	
Well I	leadspace (ppm	10		_	Weather			SUN, COU	MIDSO
WELL INFO	RMATION	-					Sample Time	1100	
	nce Point Marked	\sim		Grown	d		Sample ID	188C-18	•
Height (of Reference Poi	nt	Meas. From	TOC	_		Duplicate ID		
	Well Diamete		<u> </u>					BSC-18	MS/MBD
	een Interval Dept			TOC Gr			Split Sample ID		
V	Vater Table Dept		Meas. From	TIC	_			_	
Longth	of Water Colum		Meas. From	716	_	Required		Parameters:	Collected
	e of Water colum		ll ava			(,) .		(Std. list)	()
			Meas. From	-100		()		(Exp. list)	()
mano Dope	ir or r dilipri dolli	9		100	-	()		VOCs s (Total)	()
Reference Po	int Identification:							Dissolved)	()
	nner (PVC) Casi					· (×)		rganics (Total)	(×)
	Outer (Protective	•				()		nics (Dissolved)	()
	Ground Surface	, ,				()	_	de (Dissolved)	()
						()		s/PCDFs	()
Redevelop?	Y(N)					()	Pesticide	s/Herbicides	()
						()	Natural	Attenuation	()
						()	Other	(Specify)	()
Volume of	utes of Pumping Water Removed Did Well Go Dry? Water Quality N	3.257°		VS1556	Samples collec	MARSCH ted by same me	UNDER TURBLE	FS 59,000 n? N (speci	
	mHmin.	mL		,		7 80		77.57.27.27.2	
	Pump	Total	Water	Temp.	рH	Sp: Cond.	Turbidity	DO	ORP
Time	Rate	-Gallons	Level	(Celsius)	[0 1 unital*	(mS/cm)	(NTU)	(mg/l)	(mV)
1000	(Minin)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]*
1935	100		14.47				401	_	
0940	100	500					208		
0945	100	1000	14.53				265		
0950	100	1500	14.55				190	_	
0955	100	2000	14.56				162		
1000	100	2500	14.56				105		-
1005	100	3000	14.56				71		
1010	100	3500	14.56				52		
SAMPLE DEST							UD WITH OR ON WA		
Laboratory: Delivered Via: Airbill #:	SGS WES UPS SE	VIRGII	CONFLER		Field Sampling	Coordinator: 4	June ;	Juin	
						,		,	

U:\Monitoring Well Forms\Groundwater Monitoring Form.xls

Well No. <u>[88C-18</u>	Site/GMA Name	LYMAN STREET - GMAI
		AES/WBUR.
		APRIL 7, 2001
	Weather	SEE MOTES ON PAGE 1.

	Pump	Total	Water	Temp.	рН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)
	-(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]
1015	100	4000	14.56	_	_	_	42	_	_
1020	100	4500	14.56	12.23	8.14	0.600	26	8.04	75.6
1025	100	5000	14.66	12.47	7.90	0.897	22	7.01	-13.2
1030	100	5500	14.56	12.70	7.74	0.595	_23	6.77	-12-1
1035	100	6000	14.56	13-12	7.70	0.596	21	6-52	-12.5
1040	100	6500	14.56	13.27	7.66	0.596	19	6.57	-11.7
1046	100	7000	14-56	13.48	7.64	0.595	18	6.47	-10.4
1050	100	7500	14.56	13.53	7.66	0.596	17	6.40	-10.8
1066	100	8222	14.66	13.62	7.63	0.597	17	6.45	-10.2
SAMPL	E TIM	E 1100) —						
									-
		Commission of the Commission o				and a second	4		

* The stabilization criteria for each field parameter (three con	secutive readings collected at 3- to 5-minute intervals) is listed in each column heading.	
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE NOTES ON PAGE 1.	

	. N2SC-	0 / \		e	ite/GMA Name	GMA	/		
Key No.	4. A			-	ding Personnel		543		
•	kground (ppm	0			Date	130	2/1/2		
	adspace (ppm			-	Weather		35° windy		
WELL INCODE	MATION						,	1055	
WELL INFOR	e Point Marked	, O N					Sample Time	1.4.4	
		MAN STERNOR	7 Meas, From	BASA	10		Sample ID Duplicate ID	NOX-CI	
	Well Diamete						MS/MSD		
Scree	en Interval Depti	8.9-18.0	Meas. From		_		Split Sample ID		
W	ater Table Depti	7	_ Meas. From		_				
Length o	Well Depth of Water Column	10 -21	_ Meas, From	110	-	Required		Parameters: (Std. list)	Collected
_	of Water in We	4	lons			(3)		(Exp. list)	(20)
intake Depth	of Pump/Tubing	14.5	Meas. From	TIU	-	()		VOCs .	()
						()	PC8	s (Total)	()
	nt Identification: ner (PVC) Casin					(X)		Dissolved)	(X)
	Outer (Protective	•				()		rganics (Total) rnics (Dissolved)	()
	Ground Surface	,				()		de (Dissolved)	()
	~					()		de (Dissolved)	()
Redevelop?	Y (N)					()	PCDD	s/PCDFs	()
						()		s/Herbicides	()
		1.25				()		Attenuation (Specify)	()
EVACUATION	INFORMATION	9:35				,	Odiei	(ореслу)	()
	7						thod as evacuation	•	
	Water Quality N	Neter Type(s) / S	erial Numbers:	T	56 MP	J Has	4 Z100 F	Tubid	inctio
Time				YSI- S				•	
	Pump	Total ,	Water	Temp.	56 MP	.Sp. Cond.	Turbidity (NTU)	Two Sid	ORP
	Pump Rate	Total (n/	Water	Temp.	56 MP	"Sp. Cond.	Turbidity (NTU)	DO (mg/l)	ORP (mV)
	Pump Rate (L/min.)	Total (n/) Removed	Water Level (ft TIC)	Temp.	pH [0.1 units]*	\$p. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l)	ORP (mV)
	Pump Rate (L/min.)	Total Removed	Water Level (ft TIC) 10,34	Temp.	pH [0.1 units]*	\$p. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
71me 940 945 950	Pump Rate (L/min.) 150	Total College Removed	Water Level (ft TIC) 10,34	Temp. (Celsius)	pH [0.1 units]*	.Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] 3 7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
71me 940 945	Pump Rate (L/min.) 150 150	Total Galleria Manager Property Control of the Cont	Water Level (ft TIC) 10.34 10.34	Temp. (Colsius) 13%]" 9.26 8.78	pH [0.1 units]* 6.63 6.95	Sp. Cond. (mS/cm) [3%]* 0.707 0.709	Turbidity (NTU) [10% or 1 NTU] 3.7 3.7	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69	ORP (mV) [10 mV]"
71me 940 945 950 955	Pump Rate (Umin.) 150 150 150	Total 7/ Removed 6 750 1500 2250	Water Level (ft TIC) 10,34 10,34 10,34	Temp. (Colsius) [3%]* 9,26 8,78 8,87	pH [0.1 units]* [0.63] [0.7] [0.7]	3. Ha Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709	Turbidity (NTU) [10% or 1 NTU] 3.7 3.7	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
940 945 950 955 1000	Pump Rate (L/min.) 150 150 150	Total (1) Removed (1) 750 1500 2250 3000	Water Level (ft TIC) 10.34 10.34 10.34 10.34	Temp. (Colsius) 13%]" 9.26 8.78 8.87	pH [0.1 units]* 6.63 6.95 7.12 7.20	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712	Turbidity (NTU) [10% or 1 NTU]* 3 7 3 7 10 6	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,29	ORP (mV) [10 mV]*
940 945 950 955 1006 1005	Pump Rate (Umin.) 150 150 150 150 150	Total (1) Removed (6) 750 1500 2250 3000 3750 4500	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34	Temp. (Colsius) [3%]" 9,26 8,78 8,87 8,81 9,07	pH [0.1 units]* 6.63 6.95 7.12 7.20 7.32	3 Ha. Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716	Turbidity (NTU) [10% or 1 NTU] 3 7 3 7 10 6 5	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,61 2,45	ORP (mV) [10 mV]* -5875 -71.9 -74.1 -73.2 -73.5
71me 940 945 950 955 1000 1005 1016	Pump Rate (L/min.) 150 150 150 150 150 150	Total (1) Removed 6 750 1500 3750 4500 5250	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34 10.34	Tomp. (Colsius) 13%]" 	9H [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716 0.713	Turbidity (NTU) [10% or 1 NTU] 3 7 3 7 10 6 5	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,61 2,45 2,18	ORP (mV) [10 mV]" -58 (3 -71,9 -74,1
71me 940 945 950 955 1006 1005 1016 1015 The stabilization	Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	Total (1) Removed 6 750 1500 3750 4500 5250	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34 10.34 er (three consec	Tomp. (Colsius) 13%]" 	9H [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716 0.713	Turbidity (NTU) [10% or 1 NTU]* 3 7 3 7 10 6 5 3	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,61 2,45 2,18	ORP (mV) [10 mV]* -58:5 -71.9 -74.1 -73.2 -73.5
71me 940 945 950 955 1006 1005 1016 1015 The stabilization	Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	Total (1) Removed (1) 1500 (15	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34 10.34 er (three consec	Tomp. (Colsius) 13%]" 	9H [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716 0.713	Turbidity (NTU) [10% or 1 NTU]* 3 7 3 7 10 6 5 3	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,61 2,45 2,18	ORP (mV) [10 mV]* -5875 -71.9 -74.1 -73.2 -73.5
71me 940 945 950 955 1000 1005 1016 1015 The stabilization	Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	Total (1) Removed (1) 1500 (15	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34 10.34 er (three consec	Tomp. (Colsius) 13%]" 	9H [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716 0.713	Turbidity (NTU) [10% or 1 NTU]* 3 7 3 7 10 6 5 3	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,61 2,45 2,18	ORP (mV) [10 mV]* -58,62 -71,9 -74,1 -73,2 -73,5
7 1me 9 40 9 45 9 50 9 55 1000 1005 1015 The stabilization	Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	Total (1) Removed (1) 1500 (15	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34 10.34 er (three consec	Tomp. (Colsius) 13%]" 	9H [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716 0.713	Turbidity (NTU) [10% or 1 NTU]* 3 7 3 7 10 6 5 3	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,61 2,45 2,18	ORP (mV) [10 mV]* -58:5 -71.9 -74.1 -73.2 -73.5
7 1me 9 40 9 45 9 50 9 55 1006 1005 1016 1015 The stabilization	Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	Total (1) Removed (2) 750 1500 2250 3000 3750 4500 5250 ch field parametric	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34 10.34 er (three consec	Tomp. (Colsius) 13%]" 	9H [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716 0.713	Turbidity (NTU) [10% or 1 NTU]* 3 7 3 7 10 6 5 3	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,69 2,61 2,45 2,18 column heading.	ORP (mV) [10 mV]* -5875 -71.9 -74.1 -73.2 -73.5
7 1me 9 40 9 45 9 50 9 55 1006 1005 1015 The stabilization BSERVATION AMPLE DEST	Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	Total (1) Removed (2) 750 1500 2250 3000 3750 4500 5250 ch field parametric	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34 10.34 er (three consec	Tomp. (Colsius) 13%]" 	9H [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716 0.713	Turbidity (NTU) [10% or 1 NTU]* 3 7 3 7 10 6 5 3	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,69 2,61 2,45 2,18 column heading.	ORP (mV) [10 mV]* -58:5 -71.9 -74.1 -73.2 -73.5
7 1me 9 40 9 45 9 50 9 55 1006 1015 The stabilization BSERVATION	Pump Rate (L/min.) 150 150 150 150 150 150 150 150 150 150	Total (1) Removed (2) 750 1500 2250 3000 3750 4500 5250 ch field parametric	Water Level (ft TIC) 10.34 10.34 10.34 10.34 10.34 10.34 10.34 er (three consec	Temp. (Colsius) [3%]* 9,26 8,78 8,87 8,81 9,07 9,06 sutive readings of	pH [0.1 units]* 6.63 6.95 7.12 7.20 7.32 7.46 collected at 3- to	Sp. Cond. (mS/cm) [3%]* 0.707 0.709 0.709 0.712 0.716 0.713	Turbidity (NTU) [10% or 1 NTU]* 3 7 3 7 10 6 5 3	DO (mg/l) [10% or 0.1 mg/l]* 10,02 2,69 2,69 2,61 2,45 2,18	ORP (mV) [10 mV]* -58:5 -71.9 -74.1 -73.2 -73.5

Well No.	12SC-07S	Site/GMA Name	6MA-1		
		Sampling Personnel	JDL/SAB	,	
		Date	4/7/06		
		Weather	Sunny BSOF		

(Limin.) Removed (ft TIC) [3%]* [0.1 units]* [3%]* [10% or 1 NTU]* [10% or 0.1 mg/l]* [10	Time	Pump	Total M/	Water	Temp.	pH	Sp. Cond.	Turbidity	DO	ORP
1020 150 6000 10.34 9.40 7.37 0.710 1 2.23 -7 1025 150 6750 10.34 9.47 7.37 0.712 1 2.38 -7 1030 150 7500 10.34 9.55 7.28 0.711 1 2.46 -72 1035 150 8250 10.34 9.79 7.30 0.711 1 2.05 -73 1040 150 9000 10.34 9.55 7.27 0.713 0 2.26 -73 1045 150 9750 10.34 9.47 7.20 0.713 0 2.27 -71 1050 150 10.50 10.34 9.47 7.19 0.712 0 2.21 -72	ilite	1	-dintilla	react		(0.1 units)*	1			(mV) [10 mV]*
1025 150 6750 10,34 9,47 7,37 0,712 1 2,38 -74 1030 150 7500 10,34 9,55 7,28 0,711 1 2,46 -72 1035 150 8250 10,34 9,79 7,30 0,711 1 2,05 -73 1040 150 9000 10,34 9,55 7,27 0,713 0 2,26 -73 1045 150 9,750 10,34 9,47 7,20 0,713 0 2,27 -71 1050 150 1050 10,34 9,44 7,19 0,712 0 2,21 -72	1020	1	6000					1		-74.4
1030 150 750 1034 9.55 7.28 0.711 1 2.46 -12 1035 150 8250 10,34 9.79 7.30 0.711 1 2.05 -13 1040 150 9000 10.34 9.55 7.27 0.713 0 2.26 -13 1045 150 9750 10,34 9.47 7.20 0.713 0 2.27 -71 1050 150 1050 10.34 9.44 7.19 0.712 0 2.21 -72	1025	1					7	1		-74.1
1035 150 8250 10,34 9,79 7,30 0,711 1 2,05 -73 1040 150 9000 10.34 9,55 7,27 6,713 0 2,26 -73 1045 150 9750 10,34 9,47 7,20 0,713 0 2,27 -71 1050 150 1650 10,34 9,44 7,19 0,712 0 2,21 -72	1030				9.55		7	. 1		-72.6
1040 150 9000 10.34 9.55 7.27 0.713 0 2.26 -73 1045 150 9750 10.34 9.47 7.20 0.713 0 2.27 -71 1050 150 1050 10.34 9.44 7.19 0.712 0 2.21 -72	1035	150						Ì		-73.2
1045 150 9750 10,34 9.47 7.20 0.713 0 2.27 -71 1050 150 1050 10,34 9.44 7.19 0.712 0 2.21 -72	1040	150	9000		9,55		-	0	2.26	-73,7
1050 150 1050 1034 9.44 7.19 0.712 0 2.21 -72	1045		1			7.20	+	0	2,27	-71,9
	1050	150			9.44		T		2,21	-72.8
		• :								

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		e reconstruction of the second of the			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

Well No	· N3-1	7		s	ite/GMA Name	GMA-1	GF	Pittsfi	1.1
Key No	. FX-3-	7		Samp	ling Personnel	GAR/K	AK	7 1115/15	10
PtD Bac	ckground (ppm)	0		_	Date	1,1 %			
Well He	eadspace (ppm)	0		-	Weather	Partly	cloudy,	4501	
WELL INFOR	MATION						Sample Time	11:10	
Reference	ce Point Marked?		,				Sample ID	NS-17	
Height of	f Reference Point		Meas. From	Ground	_		Duplicate ID		
	Well Diameter		_				MS/MSD		
Scre	en Interval Depth later Table Depth	17 01	_ Meas. From _ Meas. From	Ground	-		Split Sample ID		
**		18.84	Meas. From Meas. From	TIL	-	Required	Anahetical	Parameters:	Callagian
Length	of Water Column		_ mods. / fort		_	(X)		(Std. fist)	Collected
	of Water in Wei		llons			(3)		(Exp. list)	(X)
Intake Depth	of Pump/Tubing	15.51	Meas. From	TIL		()		/OCs	()
					_	()	PCBs	s (Total)	()
Reference Poi	int Identification:					()	PCBs (Dissolved)	()
TIC: Top of In	ner (PVC) Casin	g				()	Metals/Inor	ganics (Total)	()
	Outer (Protective) Casing				()	Metals/Inorga	nics (Dissolved)	-()
Grade/BGS: 0	Ground Surface					()	EPA Cyani	de (Dissolved)	()
	. 60					()	PAC Cyani	de (Dissolved)	()
Redevelop?	Y(N)					()	PCDD	s/PCDFs	()
						()		s/Herbicides	()
						()		Attenuation	()
EVACUATION	INFORMATION					()	Other	(Specify)	()
F Mino Volume of \	Pump Start Time Pump Stop Time utes of Pumping Water Removed lid Well Go Dry?	9:45 11:15 90 3.5901	โคพา - -		Evacuation Me Peristatic Pum Pump Type: Samples collec	Geo P	bmersible Pump (
	• • •					wa by sains inc	alog as coaccason	1? (Y) N (specif	y)
	Water Quality M	leter Type(s) / S	ierial Numbers:	Y51-5	56 MPS			Tursilin	
100	Water Quality M	leter Type(s) / S	erial Numbers:	У 51 - 5° Төтр.				_	
Time					56 MPS	H~.	L Z100P	Turkilin	eta
	Pump	Total	Water	Temp.	56 MPS	H∼.	Turbidity (NTU)	Tursillin	ORP
	Pump Rate	Total Gailons Removed	Water Level (ft TIC) / Z . O 3 '	Temp. (Celsius) [3%]*	56 MPS	,Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
9:50 10:00	Pump Rate (L/min.)	Total Gallons Removed O-20 0.59	Water Level (ft TIC) 12.03' 12.04'	Temp. (Celsius) [3%]*	56 MPS	,Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
9:50	Pump Rate (L/min.)	Total Gailons Removed	Water Level (ft TIC) 12.03' 12.04' 12.04'	Temp. (Celsius) [3%]*	56 MPS	,Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
9:50 10:00	Pump Rate (L/min.) 150m	Total Gallons Removed O-20 0.59	Water Level (ft TIC) 12.03' 12.04'	Temp. (Cetsius) [3%]*	56 MPS pH [0.1 units]*)/ Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 51	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) ** [10 mV]*
9:50 10:00 10:05 10:10 10:15	Pump Rate (L/min.) 150m 150m 150m 150m 150m 150m	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19	Water Level (ft TIC) 12.03' 12.04' 12.04'	Temp. (Cetsius) [3%]*	56 MPS pH [0.1 units]*	14~. "Sp. Cond. "mS/cm) [3%]* - 0.754	Turbidity (NTU) [10% or 1 NTU]* 51 36 27	DO (mg/l) [10% or 0.1 mg/l] — — 40.01	ORP (mV) *= [10 mV]* - /22.0
9:50 10:00 10:05 10:10 10:15 10:20	Pump Rate (L/min.) 150ml 150ml 150ml 150ml 150ml 150ml	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04' 12.04	Temp. (Cetsius) [3%]*	56 MPS pH [0.1 units]* 6.61 6.24	14~. Sp. Cond. (mS/cm) [3%]* - 0.754 0.752	Turbidity (NTU) [10% or 1 NTU]* 51 36 27	DO (mg/l) [10% or 0.1 mg/l] - 40.01	ORP (mV) = [10 mV]* /22.0 60.0
9:50 10:00 10:05 10:10 10:15 10:20 10:25	Pump Rate (L/min.) 150m 150m 150m 150m 150m 150m	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04' 12.04'	Temp. (Cetsius) [3%]" — — — — — — — — — — — — — — — — — — —	56 MPS pH [0.1 units]* 6.61 6.24 6.62	14~. "Sp. Cond. "mS/cm) [3%]" — 0.754 0.754	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17	DO (mg/l) [10% or 0.1 mg/l]* 40.01 5.46 2.36	ORP (mV) = [10 mV]* /22.0 60.0 29.2
9:50 10:00 10:05 10:10 10:15 10:20 10:25 10:30	Pump Rate (L/min.) 150ml 150ml 150ml 150ml 150ml 150ml 150ml 150ml 150ml	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59 1.78	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04' 12.04 12.04 12.04 12.04	Temp. (Cetsius) [3%]* - 8.81 8.88 9.23 9.25 9.25	56 MPS pH [0.1 units]* 6.61 6.24 6.62 6.32 6.38 6.39	35p. Cond. (mS/cm) [3%]* - 0.754 0.752 0.754 0.756 0.757 0.760	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17 14 15	DO (mg/l) [10% or 0.1 mg/l] - 40.01 5.46 2.36 1.40 1.08 0.79	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)
9:50 10:00 10:05 10:15 10:20 10:25 10:30	Pump Rate (L/min.) 150m	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59 1.78 ch field paramet	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04 12.04 12.04 12.04 12.04 12.04 12.04	Temp. (Cetsius) [3%]* - 8.81 8.88 9.23 9.25 9.25	56 MPS pH [0.1 units]* 6.61 6.24 6.62 6.32 6.38 6.39	35p. Cond. (mS/cm) [3%]* - 0.754 0.752 0.754 0.756 0.757 0.760	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17	DO (mg/l) [10% or 0.1 mg/l] - 40.01 5.46 2.36 1.40 1.08 0.79	ORP (mV) [10 mV]* - /22.0 60.0 29.2 /3.8 -0.2
9:50 10:00 10:05 10:15 10:20 10:25 10:30 *The stabilization	Pump Rate (L/min.) 150ml	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59 1.78 ch field paramet	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04 12.04 12.04 12.04 12.04 12.04 12.04 12.04	Tomp. (Cetaius) [3%]* 8.81 8.88 9.23 9.25 9.25 9.12 utive readings of	pH [0.1 units]* [0.6] 6.6] 6.24 6.62 6.32 6.38 6.39 collected at 3- to	35p. Cond. (mS/cm) [3%]* - 0.754 0.752 0.754 0.756 0.757 0.760	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17 14 15	DO (mg/l) [10% or 0.1 mg/l] - 40.01 5.46 2.36 1.40 1.08 0.79	ORP (mV) [10 mV]* - /22.0 60.0 29.2 /3.8 -0.2
9:50 10:00 10:05 10:15 10:20 10:25 10:30 *The stabilization	Pump Rate (L/min.) 150ml	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59 1.78 ch field paramet	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04 12.04 12.04 12.04 12.04 12.04 12.04	Tomp. (Cetaius) [3%]* 8.81 8.88 9.23 9.25 9.25 9.12 utive readings of	pH [0.1 units]* [0.6] 6.6] 6.24 6.62 6.32 6.38 6.39 collected at 3- to	35p. Cond. (mS/cm) [3%]* - 0.754 0.752 0.754 0.756 0.757 0.760	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17 14 15	DO (mg/l) [10% or 0.1 mg/l] - 40.01 5.46 2.36 1.40 1.08 0.79	ORP (mV) [10 mV]* - /22.0 60.0 29.2 /3.8 -0.2
9:50 10:00 10:05 10:10 10:15 10:20 10:25 10:30 *The stabilizati OBSERVATIO **F, in 1	Pump Rate (L/min.) 150ml	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59 1.78 ch field paramet	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04 12.04 12.04 12.04 12.04 12.04 12.04 12.04	Tomp. (Cetaius) [3%]* 8.81 8.88 9.23 9.25 9.25 9.12 utive readings of	pH [0.1 units]* [0.6] 6.6] 6.24 6.62 6.32 6.38 6.39 collected at 3- to	35p. Cond. (mS/cm) [3%]* - 0.754 0.752 0.754 0.756 0.757 0.760	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17 14 15	DO (mg/l) [10% or 0.1 mg/l] - 40.01 5.46 2.36 1.40 1.08 0.79	ORP (mV) [10 mV]* - /22.0 60.0 29.2 /3.8 -0.2
9:50 10:00 10:05 10:10 10:15 10:20 10:25 10:30 The stabilizati OBSERVATIO This fin	Pump Rate (L/min.) 150ml	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59 1.78 ch field paramet	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04 12.04 12.04 12.04 12.04 12.04 12.04 12.04	Tomp. (Cetaius) [3%]* 8.81 8.88 9.23 9.25 9.25 9.12 utive readings of	pH [0.1 units]* [0.6] 6.6] 6.24 6.62 6.32 6.38 6.39 collected at 3- to	35p. Cond. (mS/cm) [3%]* - 0.754 0.752 0.754 0.756 0.757 0.760	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17 14 /5	DO (mg/l) [10% or 0.1 mg/l] — — 40. 0 l 5.46 2.36 1.40 1.08 0.79 column heading.	ORP (mV) [10 mV]* - 122.0 60.0 29.2 13.8 -0.2 -6.5
9:50 10:00 10:05 10:10 10:15 10:20 10:25 10:30 *The stabilizati OBSERVATIO **F.::s.1 SAMPLE DEST. Laboratory:	Pump Rate (L/min.) 150ml 150ml	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59 1.78 ch field paramet	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04 12.04 12.04 12.04 12.04 12.04 12.04 12.04	Tomp. (Cetaius) [3%]* 8.81 8.88 9.23 9.25 9.25 9.12 utive readings of	pH [0.1 units]* [0.6] 6.6] 6.24 6.62 6.32 6.38 6.39 collected at 3- to	35p. Cond. (mS/cm) [3%]* - 0.754 0.752 0.754 0.756 0.757 0.760	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17 14 /5	DO (mg/l) [10% or 0.1 mg/l] — — 40. 0 l 5.46 2.36 1.40 1.08 0.79 column heading.	ORP (mV) [10 mV]* - 122.0 60.0 29.2 13.8 -0.2 -6.5
9:50 10:00 10:05 10:10 10:15 10:20 10:25 10:30 The stabilizati OBSERVATIO This fin	Pump Rate (L/min.) 150ml	Total Gallons Removed 0.20 0.59 0.79 0.99 1.19 1.39 1.59 1.78 ch field paramet	Water Level (ft TIC) 12.03' 12.04' 12.04' 12.04 12.04 12.04 12.04 12.04 12.04 12.04 12.04	Tomp. (Cetsius) [3%]*	pH [0.1 units]* [0.4 units]* [0.6] [0.6] [0.6] [0.8] [0.38] [0.39] collected at 3- to 30 [1.7]	35p. Cond. (mS/cm) [3%]* - 0.754 0.752 0.754 0.756 0.757 0.760	Turbidity (NTU) [10% or 1 NTU]* 51 36 27 24 23 17 14 /5	DO (mg/l) [10% or 0.1 mg/l] - 40.01 5.46 2.36 1.40 1.08 0.79	ORP (mV) [10 mV]* - 122.0 60.0 29.2 13.8 -0.2 -6.5

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Well No. N 5-17	Site/GMA Name	GE Pitts Field - GMA-1	
	Sampling Personnel		•
	Date	4/7/06	
	Weather	Partly claude 450 E	۰

Time	Pump Rate (Limin.)	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/i) [10% or 0.1 mg/i]*	ORP (mV) [10 mV]*
10:35	150ml	1.98	12.04	9.27	6.37	0.761	13	0.72	=14.0
10:40	150ml	2.18	12.04	9.52	6.47	0.762	11	0.63	-21.9
10:45	150ml	2.38	12.04	9.54	6.49	0.765	11	0.58	- 29.1
10:50	150ml	2.58	12.04	9.54	6.44	0.761	10	0.54	-29.8
10:55	150ml	2.77	12.04	9.66	6.45	0-760	8	0.49	-36.0
11:00	150m]	2.97	17.04	9.70	6.50	6.763	7	0.46	-41.3
11:05	150ml	3.17	12.04	9.52	6.51	0.762	8	0.43	-42-7
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								-	

* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to	5-minute interva	ls) is listed in each	column heading.	
OBSERVATIONS/SAMPLING METHOD DEVIATIONS				

Key No. NA						Hs field -	0.717	
			Samp	ling Personnel	GARIK	AK		
PID Background (ppm	_		-	Date		1		
Well Headspace (ppm	0		-	Weather	Overcas	Tyrain/s	now, 30-	350/5
ELL INFORMATION							14:05	
Reference Point Marked	0	, .				Sample ID	72 R	
Height of Reference Poir	1.1/	Meas. From	Ground			Duplicate ID	GMA-DU	P-1
Well Diamete		_				MS/MSD		
Screen Interval Dept	1 5		Ground	-		Split Sample ID		
Water Table Dept	13.48'	Meas. From Meas, From		-	0		_	
Length of Water Colum		weas, Fion	710	_	Required		Parameters: (Std. list)	Collecter
Volume of Water in We	.1	lon s			(×)'		(Exp. list)	()
take Depth of Pump/Tubin	- 17	Meas, From	TIL		(X)		/OCs	(X)
		_		_	()		s (Total)	()
erence Point Identification:					(x)		Dissolved)	
Top of Inner (PVC) Casir	ng				()		ganics (Total)	(~)
C: Top of Outer (Protective	e) Casing				()		nics (Dissolved)	()
de/BGS: Ground Surface					()		de (Dissolved)	()
\sim					(x)		de (Dissolved)	(12)
evelop? Y (N					()	PCDD	s/PCDFs	(~)
					()	Pesticide	s/Herbicides	()
					()	Natural	Attenuation	()
CUATION INFORMATION					()	Other	(Specify)	()
Pump Stop Time Minutes of Pumping		_		Evacuation Me	thod: Bailer () Bladder P	ump (X)	
		On s		Peristattic Pum		bmersible Pump (ecify ()
olume of Water Removed Did Well Go Dry?	3.5gall	0n s		Pump Type:	Marsch	bmersible Pump (om One	
/olume of Water Removed Did Well Go Dry? ': : Water Quality I	3.59cll Y N	erial Numbers:	Hach ?	Pump Type: Samples collect	Marsch ted by same me	alk Syst	em Onc	fy)
Did Well Go Dry? ': Water Quality I	3.59cll Y N Meter Type(s)/S	erial Numbers:	Hach 3	Pump Type: Samples collect	Marsch ted by same me Turbidin "Sp. Cond.	alk Systemation	DO	GRP
Did Well Go Dry? ': Water Quality Pump Time Rate	Y (N) Meter Type(s)/S Total Gallons	Water	Temp.	Pump Type: Samples collect State M 73 LIDO P 7	Mar & ch ted by same me .Sp. Cond. (mS/cm)	thod as evacuation to Turbidity (NTU)	DO (mg/l)	CRP (mV)
Did Well Go Dry? Water Quality I Pump Rate (L/min.)	3.59cll Y N Meter Type(s)/S	Water Level (ft TIC)	Hach 3	Pump Type: Samples collect	Marsch ted by same me Turbidin "Sp. Cond.	thod as evacuation to Turbidity (NTU)	DO	(y)
Did Well Go Dry? Water Quality I Pump Rate (L/min.)	Y (N) Meter Type(s)/S Total Gallons Removed 0.40	Water Level (ft TIC)	Hack Temp. (Cotaius)	Pump Type: Samples collect Solution P pH [0.1 units]*	Marsch ted by same me [Sp. Cond. (mS/cm) [3%]*	thod as evacuation to V Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) [10% or 0.1 mg/l]*	GRP (mV) [10 mV]*
Olume of Water Removed Did Well Go Dry? Water Quality ! Pump Rate (L/min.)	y (R) Meter Type(s)/S Total Gallons Removed 0.40 0.53	Water Level (ft TIC) 7./0	Temp. (Colsius)	Pump Type: Samples collect State M 73 L 100 P pH [0.1 units]*	May sch ted by same me Turbidin Sp. Cond. (mS/cm) [3%]*	thod as evacuation to V Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)* [10% or 0.1 mg/l]*	CRP (mV) [10 mV]*
Olume of Water Removed Did Well Go Dry? Water Quality I Pump Rate (L/min.) 2.95 100 m 2.95 100 m	3.59c.ll Y R Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66	Water Lavel (ft TIC) 7./0 7./5	Hack 7 Temp. (Colsius) (Colsius) (3%) (3%) (3%) (3%) (3%) (3%) (3%) (3%	Pump Type: Samples collect Stamples coll	Marsch ted by same me Turbidin "Sp. Cond. (ms/cm) [3%]* 3.969 3.952	thod as evacuation to the trumbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]*
Olume of Water Removed Did Well Go Dry? Water Quality I Pump Rate (L/min.) 35 100 m 95 100 m 50 100 m	3.59 c.ll y (R) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79	Water Lavel (ft TIC) 7.10 7.15 7.20	Temp. (Colsius)	Pump Type: Samples collect \$7 M 75 2100 P 7 pH [0.1 units]* 6.37 6.26	May & ch ted by same me [My bid; M Sp. Cond. (mS/cm) [3%]* 3.969 3.969 3.967	thod as evacuation trubidity (NTU) [10% or 1 NTU]*	DO (mg/l): [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* 2 51.3 259.6 Z66.5
Volume of Water Removed	3.59c.ll y (R) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92	Water Level (ft TIC) 7.10 7.15 7.20 7.25	Temp. (Colsius)	Pump Type: Samples collect \$70 M 75 2100 P 7 pH [0.1 units]* 6.37 6.27 6.26	Marsch ted by same me Turbidin Sp. Cond. (mS/cm) [3%]* 3.969 3.967 3.967	thod as evacuation the v Turbidity (NTU) [10% or 1 NTU]* 2 1 2	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* 2 51.3 259.6 266.5
Volume of Water Removed Did Well Go Dry? Water Quality Water Quality Pump Rate (L/min.) 2:40 100 m 2:50 100 m	3.59c.ll Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06	Water Lavel (ft TIC) 7.10 7.15 7.20 7.25 7.48	Temp. (Cotsius)	Pump Type: Samples collect \$7 M 75 2100 P - pH [0.1 units]* - 6.37 6.26 6.26 6.27	May & ch ted by same me [w-bid; m .sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.867 3.749	thod as evacuation Turbidity (NTU) [10% or 1 NTU]* 2 1 2	DO (mg/l): [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z S J · 3 Z S 9 · 6 Z 6 6 · 5 Z 7 2 · 4 Z 7 4 · 8
Olume of Water Removed	3.59c.ll y (R) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19	Water Level (ft TIC) 7.10 7.15 7.20 7.25	Temp. (Colsius)	Pump Type: Samples collect \$7 M 75 2100 P - pH [0.1 units]* - 6.37 6.26 6.26 6.27	Marsch ted by same me Turbidin Sp. Cond. (mS/cm) [3%]* 3.969 3.967 3.967	thod as evacuation the v Turbidity (NTU) [10% or 1 NTU]* 2 1 2	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* 2 51.3 259.6 266.5
Olume of Water Removed Did Well Go Dry? Water Quality I Pump Rate (L/min.) 35 100 m 95 100 m 50 100 m 05 100 m 05 100 m	3.59c.ll y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32	Water Lavel (ft TIC) 7./0 7./5 7.20 7.25 7.48 7.52	Temp. (Cotaius)	Pump Type: Samples collect \$7 M 7 S 2100 P 7 pH [0.1 units]* 6.37 6.26 6.26 6.27	May 8 ch ted by same me [mybidim Sp. Cond. (mS/cm) [3%]* 3.969 3.967 3.967 3.867 3.749 3.667	thod as evacuation the sevacuation Turbidity (NTU) [10% or 1 NTU]* 2 1 2	DO (mg/l)* [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z S 1. 3 Z S 9. 6 Z 66. 5 Z 7 2. 4 Z 7 4.8
Did Well Go Dry? Water Quality I Pump Rate (L/min.) -35 100 m -95 100 m -55 100 m	3.59c.11 Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32 Ich field paramet	### Water Level (ft TIC) 7.10 7.15 7.25 7.25 7.48 7.52 er (three consections)	Temp. (Colsius)	Pump Type: Samples collected at 3- to	May & chated by same me Turbid; m., sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.749 3.667	thod as evacuation thod as evacuation trubidity (NTU) [10% or 1 NTU]* 2 1 2 L S) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z 5/1. 3 Z 5/9. 6 Z 6/6. 5 Z 7 2. 4 Z 7 4. 8 Z 78. Z
Number of Water Removed	3.59c.11 Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32 Ich field paramet	### Water Level (ft TIC) 7.10 7.15 7.25 7.25 7.48 7.52 er (three consections)	Temp. (Colsius)	Pump Type: Samples collected at 3- to	May & chated by same me Turbid; m., sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.749 3.667	thod as evacuation thod as evacuation trubidity (NTU) [10% or 1 NTU]* 2 1 2 L S) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z 5/1. 3 Z 5/9. 6 Z 6/6. 5 Z 7 2. 4 Z 7 4. 8 Z 78. Z
Number of Water Removed	3.59c.11 Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32 Ich field paramet	### Water Level (ft TIC) 7.10 7.15 7.25 7.25 7.48 7.52 er (three consections)	Temp. (Colsius)	Pump Type: Samples collected at 3- to	May & chated by same me Turbid; m., sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.749 3.667	thod as evacuation thod as evacuation trubidity (NTU) [10% or 1 NTU]* 2 1 2 L S) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z 5/1. 3 Z 5/9. 6 Z 6/6. 5 Z 7 2. 4 Z 7 4. 8 Z 78. Z
Olume of Water Removed Did Well Go Dry? Water Quality I Pump Rate (L/min.) 1:35 100 m 1:40 100 m 1:50 100 m 1:55 100 m 1:55 100 m 1:00 100 m 1:00 100 m 1:00 100 m 1:00 100 m	3.59c.11 Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32 Ich field paramet	### Water Level (ft TIC) 7.10 7.15 7.25 7.25 7.48 7.52 er (three consections)	Temp. (Colsius)	Pump Type: Samples collected at 3- to	May & chated by same me Turbid; m., sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.749 3.667	thod as evacuation thod as evacuation trubidity (NTU) [10% or 1 NTU]* 2 1 2 L S) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z 5/1. 3 Z 5/9. 6 Z 6/6. 5 Z 7 2. 4 Z 7 4. 8 Z 78. Z
Volume of Water Removed Did Well Go Dry? Water Quality Pump Rate	3.59c.11 Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32 Ich field paramet	### Water Level (ft TIC) 7.10 7.15 7.25 7.25 7.48 7.52 er (three consections)	Temp. (Colsius)	Pump Type: Samples collected at 3- to	May & chated by same me Turbid; m., sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.749 3.667	thod as evacuation thod as evacuation trubidity (NTU) [10% or 1 NTU]* 2 1 2 L S) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z 5/1. 3 Z 5/9. 6 Z 6/6. 5 Z 7 2. 4 Z 7 4. 8 Z 78. Z
Volume of Water Removed Did Well Go Dry? Water Quality Pump Rate (L/min.) 2:40 100 m 2:45 100 m 2:55 100 m 2:55 100 m 2:55 100 m 2:05 100 m 3:05 100 m 4:05 100 m 6:05 100 m 7:00 100 m 8:05 100 m 9:05 100 m 10	3.59c.11 Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32 Ich field paramet	### Water Level (ft TIC) 7.10 7.15 7.25 7.25 7.48 7.52 er (three consections)	Temp. (Colsius)	Pump Type: Samples collected at 3- to	May & chated by same me Turbid; m., sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.749 3.667	thod as evacuation thod as evacuation trubidity (NTU) [10% or 1 NTU]* 2 1 2 L S) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z 5/1. 3 Z 5/9. 6 Z 6/6. 5 Z 7 2. 4 Z 7 4. 8 Z 78. Z
Volume of Water Removed Did Well Go Dry? Water Quality II Pump Rate (L/min.) 2:40 /00 ml 2:40 /00 ml 2:50 /00 ml 2:55 /00 ml	3.59c.11 Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32 Ich field paramet	### Water Level (ft TIC) 7.10 7.15 7.25 7.25 7.48 7.52 er (three consections)	Temp. (Colsius)	Pump Type: Samples collected at 3- to	May & chated by same me Turbid; m., sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.749 3.667	thod as evacuation thod as evacuation trubidity (NTU) [10% or 1 NTU]* 2 1 2 L S) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV]* Z 5/1. 3 Z 5/9. 6 Z 6/6. 5 Z 7 2. 4 Z 7 4. 8 Z 78. Z
Notice of Water Removed	3.59c.11 Y (3) Meter Type(s)/S Total Gallons Removed 0.40 0.53 0.66 0-79 0.92 1.06 1.19 1.32 Ich field paramet	### Water Level (ft TIC) 7.10 7.15 7.25 7.25 7.48 7.52 er (three consections)	Temp. (Colsius)	Pump Type: Samples collected at 3- to	May & chated by same me Turbid; m., sp. Cond. (ms/cm) [3%]* 3.969 3.967 3.967 3.749 3.667	thod as evacuation thod as evacuation trubidity (NTU) [10% or 1 NTU]* 2 1 2 L S) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	CRP (mV) [10 mV] 2 57.3 259.6 266.5 272.4 274.8

C:WORKIGEGroundwater/664199AttachmentD-

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Well No.	72	K	

Site/GMA Name GE Pittsfield - GMA-I
Sampling Personnel

Date 4/4/06

Weather Overcost, rain/snow, 30-350F

Time	Pump Rate (Ľímin.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
13:40	100ml	1.45	7.38	5.49	6.35	3.665	6	8.86	295.8
13:45	100ml	1.58	7.41	5.60	6.29	3.666	14	8.42	297.0
13:50	100 ml	1.71	7.43	5.55	6.31	3.617	23		298.7
13:55	100ml	1-84	7.50	5.57	6.31	3.595	22		299.9
14:00	100 m]	1.97	7.52	5.49	6.31	3.597	23	8.44	301.3
		a							
		86-			to the same of the	ph.			
	-								
							,		

* 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

Well N Key N	10. 139 R				Site/GMA Nam	GMAI	- PITISF	ELD, MA	
	ackground (ppn	-1 -		San	npling Personne				
	deadspace (ppn			-	Date	# APRIL	14,2006		
went	readspace (ppri	1)		_	Weathe	CONNI	11 61°F,	SUBHT BE	EEEE
WELL INFO							Sample Time	1055	
	nce Point Marked						Sample II	139R	
Height	of Reference Poi		Meas. From	1	-		Duplicate ID		
	Well Diamet		-				MS/MSE		
	een Interval Dep			1			Split Sample ID		
	Water Table Dept	th 14.	Meas. From	TIC					
Length	of Water Colum	,	Meas. From		_	Required		Il Parameters:	Collected
	e of Water in We					(,) .		s (Std. list)	()
	th of Pump/Tubin		Meas From			()		(Exp. list)	()
		5				()		VOCs	()
Reference Po	oint Identification:	:				()		s (Total) (Dissolved)	()
	nner (PVC) Casi					(×)		rganics (Total)	(\times)
TOC: Top of	Outer (Protective	e) Casing				()		anics (Dissolved)	()
Grade/BGS:	Ground Surface	, ,				()		ide (Dissolved)	()
						()		Os/PCDFs	()
Redevelop?	YN					()		es/Herbicides	()
						()		Attenuation	()
						()	Other	(Specify)	()
EVACUATIO	N INFORMATION	N							
	Pump Start Time								
	Pump Stop Time				Evenuation M	othed: Deller	() Distili	0	
	utes of Pumping		_		Peristaltic Pun	ethod: Bailer		Pump ()	
	Water Removed		-				ubmersible Pump	() Otner/Sp	pecify ()
	Did Well Go Dry?		_			CHEOPUI	ethod as evacuation	2 Ø N (anasi	£.4
					Samples collec	cied by same me	eu lou as evacuation	1? Y N (speci	iy)
	Water Quality N	Meter Type(s) / S	Serial Numbers:	ys1.55	6 MPS	HACH 2	TOOP TUR	BIDIMETE	
	mymin	mL	1				- Co	_	
Time	Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	DO	ORP
Time	Rate (L/min.)	Gallons	Level	(Celsius)	FD 4	(mS/cm)	(NTU)	(mg/l)	(mV)
MAR		Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*		[10% or 0.1 mg/l]*	[10 mV]*
M15	100	500	10.76	0	1- 10	-	34	0.0	
0945	100	500	11.05	8.75	12.68	0.591	34	9.12	75.3
0950	100	1000	11.40	8.39	13.94	0.593	50	7.47	-25.0
D985	100	1500	11.50	8.66	13.96	0.605	68	6.78	-45.2
1000	100	2000	11.50	8.89	18.28	0.604	43	6.96	-44.6
1005	100	2500	11.50	8.94	18.02	0.606	28'	7.16	-270
1010	100	3000	11.50	9.25	17.42	0.610	20	7.16	-14.7
1015	100	3500	11.50	9.18	16.48	0.612	19	7.20	-8.5
The stabilizat	ion criteria for ea	ich field paramet	ter (three consec		collected at 3- to	5-minute interv	als) is listed in eacl	n column heading.	
DBSERVATIO	NS/SAMPLING	METHOD DEVIA	ATIONS	NITTAL	PURSE	= 18 C/.	FAO: 10	W TURBI	DITT 1
							3		
SAMPLE DEST	TINATION								
Laboratory	RGG INTE	ET Vine	***						
	SGS WE			-					
	SGS WE		NESNIGH.	Γ	Field 6	0	1	tunan	

U:\Monitoring Well Forms\Groundwater Monitoring Form.xls

Well No. 189E	Site/GMA Name BMA / PITISARD, MA	
	Sampling Personnel AZS, KAL	
	Date APRIL 14, 2006	
	Date APRIL 14, 2006 Weather OFE DAGE 1.	

WELL INFORMATION - See Page 1

Time	Pump Rate	TotalCallons 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]*
1020	100	4000	11.50	9.20	16.52	0.620	17	7.55	-31.7
1025	100	4500	11.50	9.20	16.65	0.623	17	7.62	-36.9
1030	100	5000	11.50	9.18	16-60	1	15	7.69	-40.3
1085	100	5500	11.50	9.14	16.58		15	7.70	-42.1
1090	100	6000	11.50	9.06	1	0.681	14	7.72	-43.2
1045	100	6500	11.50	9.09		0.682	13	7.75	-39.7
1050	100	7000	11.50	9.14		0.631	13	7.70	-35.8
SAMPLE	TIME /	055 -							
	:								
									Ĉ.
				,					
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on criteria for each			5-minute interv	ch column heading.	

		-b			ite/GMA Name	EASTSI	PEET ARR	A 18007H	-GMAI
	0			Samp					
	ckground (ppm			_			2006		
Well H	leadspace (ppm	1)		-	Weather	OVERCA	st, sprink	LES, MIDC	2803
WELL INFOR							Sample Time	1440	
Referen	ice Point Marked	15 (A) N					Sample ID	GMAI-6	
Height o	of Reference Poi		Meas. From		_		Duplicate ID		
	Well Diamete		_				MS/MSD		
	en Interval Dept			Ground			Split Sample ID	_	
W	Vater Table Dept			TIC	_				
Lanath		h_15.08	Meas. From	TIC	_	Required	Analytica	I Parameters:	Collected
	of Water Colum of Water in We	The same of the sa	1/100 3			(4).		(Std. list)	()
	n of Pump/Tubin		Meas. From	TI		(×)		(Exp. list)	(X)
ппаке Бери	TOT Fullipy rubits	9_//-3	_ weas. From	776	-	()		VOCs	()
Reference Poi	int Identification:					()		s (Total)	()
	ner (PVC) Casi					(×)		Dissolved)	(×)
-	Outer (Protective	•				()		rganics (Total)	()
	Ground Surface	o/ Gaonig				()	_	inics (Dissolved)	()
0.000000	Ordana Gariago					()		de (Dissolved) s/PCDFs	()
Redevelop?	Y (N)					()	_ 1 2 2 2	s/Herbicides	()
						()		Attenuation	()
						()		(Specify)	()
F Mine Volume of V	INFORMATION Pump Start Time Pump Stop Time utes of Pumping Water Removed id Well Go Dry?	1335 14:55 80 2.19all	- - ows		Peristaltic Pum Pump Type:	GEOPUM	ıbmersible Pump (ecify ()
	Water Quality N	fleter Type(s) / S	erial Numbers:	YS1 556	MPS , t	TACH ZI	OOP TURK	BIDIMETER	•
	Pump	Total	Water	Temp.	рН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons.	Level	(Celsius)		(mS/cm)	(NTU)	(mg/l)	(mV)
	(L/min.) -	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]*
1340	100	_	7.86	_	_	_	128		_
1345	100	500	7.88	_		_	60		-
1350	100	1000	7.89	_			♂ ○		_
1355	100	1500	7.90	9.70	7.96	1. 598	23	4.13	-84.5
1400	100	2000	7.90	9.66	7.51	1.565	18	2.55	-85-5
1405	100	2500	7.90	9.64	7.40	1.557	15	2.28	-86.0
1410	100	3000	7.90	9.63	7.86	1.554	9	2.33	-86.1
1415	100	3500	7.90	9.65	7.27	1-552	8	2.08	-88.8
	on criteria for ea		TIONS		PURCE	18 ORANG	als) is listed in each		
SAMPLE DEST	INATION								

Laboratory: SGS WEST VIRGINIA
Delivered Via: UPS GROUND / COURIER

Airbill #:_

Field Sampling Coordinator:

Well No.	GMAI-6 Site/GMA Nam	EAST STERET AREA 2 SOUTH - GMAI
	Sampling Personne	el AES + UdB dR.
	Date	e APRIL 4, 2006
	Weather	T SEF PAME 1.

WELL INFORMATION - See Page 1

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1920	100	4000	7.90	9.60	7.48	1.555	7	2.16	-89.9
1425	100	4500	7.90	9.53	7.46	1.553		2.20	-89.5
1480	100	5000	7.90	1	7.53		6	2.18	-90.
1485	100	5500	7.90	9.65	7.55	1.551	6	2.14	-91.1
SAMPLE	TIME	1							
7									
	:								
						Tid.			
				-					

OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE NOTES ON PAGE 1.

	GMAL	-18		s	ite/GMA Name	GMA-	IGE	Pittsfie	.17
Key No.				Samp	ling Personnel	GARLA	AK		
PID Bac	kground (ppm)	_0		_	Date	415106			
Well He	adspace (ppm)			_	Weather	Mostly	sunny,	30-35°F	Windy
WELL INFOR	MATION	~					Sample Time		
	e Point Marked?	\sim		_			Sample ID	GMA1-18	
Height of	Reference Point	-0.20	Meas. From	Ground			Duplicate ID	_	
	Well Diameter		-				MS/MSD	_	
	en Interval Depth	/		Ground	_		Split Sample ID		
Wa	ater Table Depth		Meas. From	TIL	-				
		13.72	Meas, From	TIL	_	Required		Parameters:	Collected
	of Water Column		11001			()		(Std. list)	()
	of Water in Well	11		Tu		() /		(Exp. list)	()
таке Бери	of Pump/Tubing	10.3	Meas. From	116	- ,	()		/OCs	()
Reference Rei	nt Identification:					()		(Total)	()
	ner (PVC) Casin					(X)		Dissolved)	(+)
	Outer (Protective)					()		ganics (Total)	()
	Ground Surface	Casary				()	_	nics (Dissolved) de (Dissolved)	()
Grade Deco.	ordina Gariago					()		de (Dissolved)	()
Redevelop?	Y (N)					()		s/PCDFs	()
						()		s/Herbicides	()
						()		Attenuation	()
						(.)		(Specify)	()
	INFORMATION					,		-	, ,
P	ump Start Time	13:55							
	ump Stop Time				Evacuation Me	thod: Bailer () Bladder P	ump (X)	
	ites of Pumping				Peristaitic Pum	p() Sui	bmersible Pump () Other/Spe	cify ()
Volume of V	Water Removed	3-7 gall	oh s		Pump Type:	Marsch	ulk-Syst	em One	
	Water Quality M	leter Type(s) / So	erial Numbers:	451-53 Hanh Z					
	1				100 0 10	- hidimo	tev		
L.	Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	Temp. (Celsius)	pH	Sp. Cond. (mS/cm)	Turbidity (NTU)	(mg/l)	(mV)
	Rate (L/min.)	Gallons Removed	Level (ft TIC)	Temp.		Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*		
14:00	Rate (L/min.)	Gallons Removed	(ft TIC) 7.55	Temp. (Celsius)	pH	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]*	(mg/l)	(mV)
14:00	(L/min.) 100ml	Gallons Removed 0.13 0.53	(ft TIC) 7.55 8.25	Temp. (Celsius)	pH	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* / 7 9	(mg/l)	(mV)
14:00 14:15 14:30	Rate (L/min.) 100 ml 100 ml	Gallons Removed 0.13 0.53 0.92	(RTIC) 7.55 8.25	Temp. (Cetsius) [3%]*	pH	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* / 7 9 / 1 4	(mg/l)	(mV)
14:00 14:15 14:30 14:40	Rate (L/min.) 100 ml 100 ml 100 ml	Gallons Removed 0.13 0.53 0.92 1.19	Eavel (ft TIC) 7.55 8.25 8.31	Temp. (Cetsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 1 7 9 11 4 6 1 4 4	(mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
14:00 14:15 14:30 14:40 14:50	Rate (L/min.) 100 ml 100 ml 100 ml 100 ml	Gallons Removed 0.13 0.53 0.92 1.19 1.45	(RTIC) 7.55 8.25 8.31 8.25 8.15	Temp. (Cetsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 1 7 9 11 4 6 1 44	(mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
14:00 14:15 14:30 14:40 14:50 14:55	Rate (L/min.) 100ml 100ml 100ml 100ml 100ml	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15	Temp. (Cotsius) [3%]*	[0.1 units]*	Sp. Cond. (mS/cm) [3%]* — — — — — — — — — — — — — —	Turbidity (NTU) [10% or 1 NTU]* 1 7 9 11 4 6 1 44 44 2 8	(mg/l) [10% or 0.1 mg/l]* - - - 7.88 6.33	(mV) [10 mV]* ————————————————————————————————————
14:00 14:15 14:30 14:40 14:50 14:55 15:00	Rate (L/min.) 100 ml 100 ml 100 ml 100 ml 100 ml	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72	(RTIC) 7.55 8.25 8.31 8.25 8.15 8.42	Temp. (Cetsius) [3%]*	[0.1 units]*	.Sp. Cond. (mS/cm) [3%]* — — — — — — — — — — — — — — — — — — —	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05	Rate (L/min.) 100ml 100ml 100ml 100ml 100ml 100ml 100ml	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85	8.25 8.25 8.31 8.25 8.15 8.42 8.55 8.58	Temp. (Cotsius) [3%]*	[0.1 units]* 6.96 6.77 6.75	Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27 28	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* ————————————————————————————————————
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05	Rate (L/min.) 100 m	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutive)	Temp. (Cotsius) [3%]*	[0.1 units]* 6.96 6.77 6.75	Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05 The stabilization	Rate (L/min.) 100 m	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter METHOD DEVIA	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutions	Temp. (Cotsius) [3%]*	[0.1 units]* [0.1 units]* — — — 6.96 6.77 6.75 6.72 collected at 3- to	.Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603 5-minute interval	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27 28	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05 The stabilization	Rate (L/min.) 100 m	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter METHOD DEVIA	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutions	Temp. (Cotsius) [3%]*	[0.1 units]* [0.1 units]* — — — 6.96 6.77 6.75 6.72 collected at 3- to	.Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603 5-minute interval	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27 28	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05 The stabilization	Rate (L/min.) 100 m	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter METHOD DEVIA	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutions	Temp. (Cotsius) [3%]*	[0.1 units]* [0.1 units]* — — — 6.96 6.77 6.75 6.72 collected at 3- to	.Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603 5-minute interval	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27 28	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05 The stabilizati OBSERVATION The stabilizati	Rate (L/min.) 100 ml	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter METHOD DEVIA	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutions	Temp. (Cotsius) [3%]*	[0.1 units]* [0.1 units]* — — — 6.96 6.77 6.75 6.72 collected at 3- to	.Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603 5-minute interval	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27 28	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05 *The stabilizati OBSERVATION This file File SAMPLE DEST	Rate (L/min.) 100 m	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter METHOD DEVIA	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutions	Temp. (Cotsius) [3%]*	[0.1 units]* [0.1 units]* — — — 6.96 6.77 6.75 6.72 collected at 3- to	.Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603 5-minute interval	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27 28	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05 The stabilizati OBSERVATION The stabilizati CBSERVATION The stabil	Rate (L/min.) 100 m 10	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter METHOD DEVIA	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutions	Temp. (Cotsius) [3%]*	[0.1 units]* [0.1 units]* — — — 6.96 6.77 6.75 6.72 collected at 3- to	.Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603 5-minute interval	Turbidity (NTU) [10% or 1 NTU]* 179 114 61 44 44 28 27 28	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05 *The stabilizati OBSERVATION The stabi	Rate (L/min.) 100 m 10	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter METHOD DEVIA	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutions	Temp. (Cotsius) [3%]*	pH [0.1 units]* 6.96 6.77 6.75 6.72 collected at 3- to	Sp. Cond. (mS/cm) [3%]* - 0.605 0.602 0.603 5-minute interval	Turbidity (NTU) [10% or 1 NTU]* 1 7 9 11 4 4 9 4 4 2 8 2 7 2 8 Is) is listed in each	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7
14:00 14:15 14:30 14:40 14:50 14:55 15:00 15:05 *The stabilizati OBSERVATION The stabi	Rate (L/min.) 100 m 10	Gallons Removed 0.13 0.53 0.92 1.19 1.45 1.58 1.72 1.85 ch field parameter METHOD DEVIA	Eavel (ft TIC) 7.55 8.25 8.31 8.25 8.15 8.42 8.55 8.58 er (three consecutions	Temp. (Cotsius) [3%]*	pH [0.1 units]* 6.96 6.77 6.75 6.72 collected at 3- to	.Sp. Cond. (mS/cm) [3%]* - - 0.605 0.603 5-minute interval	Turbidity (NTU) [10% or 1 NTU]* 1 7 9 11 4 4 9 4 4 2 8 2 7 2 8 Is) is listed in each	(mg/l) [10% or 0.1 mg/l]* - - 7.88 6.33 5.57 5.40	(mV) [10 mV]* 137.9 150.7

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Weli No. GMA 1-18

Site/GMA Name GE Pitts field - GMA-1

Sampling Personnel GAR / KAK

Date 4/5/06

Weather Mostly sunny, 30-35°F, Windy

WELL INFORMATION - See Page 1

Time	Pump Rate (Ľ/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]*
15:10	100	1-98	8.59	7.08	6.71	0.603	28	5-25	165-7
15:15	100	2.11	8.62	7.32	6.70	0.603	26	5114	171.6
15:20	100	2.25	8.90	7.30	6.67	0.605	24	5.10	175,2
15:25	100	2.38	8.59	7.36	6.71	0.606	30	5.09	176-9
15:30	100	2.51	8.56	7.47	6.72	0.607	24	4.98	179.0
15:35	100	2.64	8.56	7.63	6.72	0.608	20	4.96	180.8
15:40	100	2.77	8.55	7.86	6.75	0.610	16	4.93	180.2
15:45	100	2.91	8.49	8.04	6.74	0.612	13	4.93	183.4
15:50	100	3.04	8.41	8.06	6.74	0.616	12	4.90	184.0
15:55	100	3.17	8.35	7.93	6.72	0.617	12	4.96	183.0
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* 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	

Historical Groundwater Data



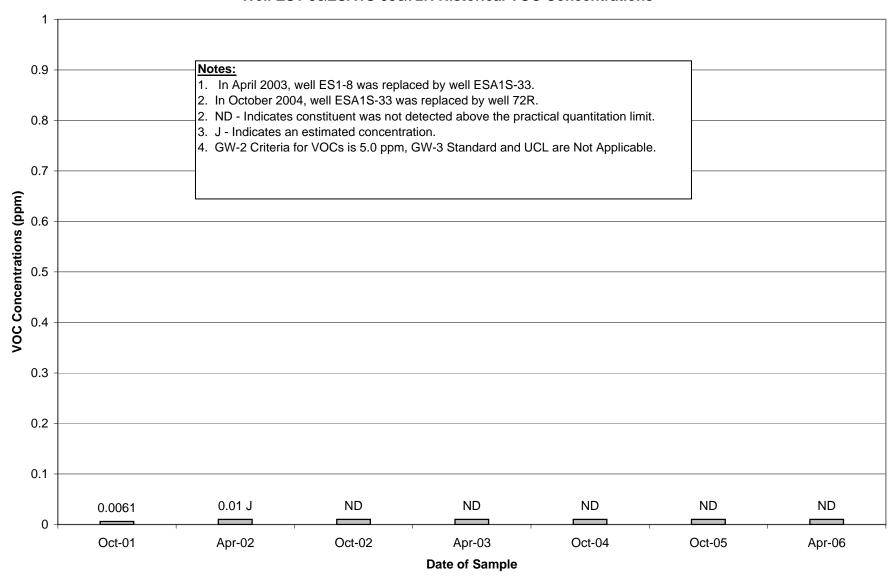
Historical Groundwater Data

Total VOC Concentrations – Wells Sampled in Spring 2006



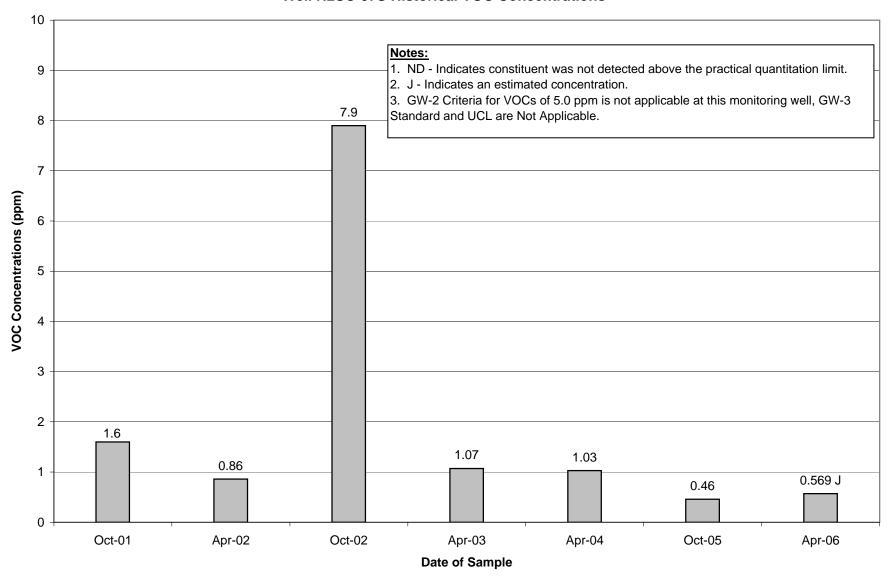
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



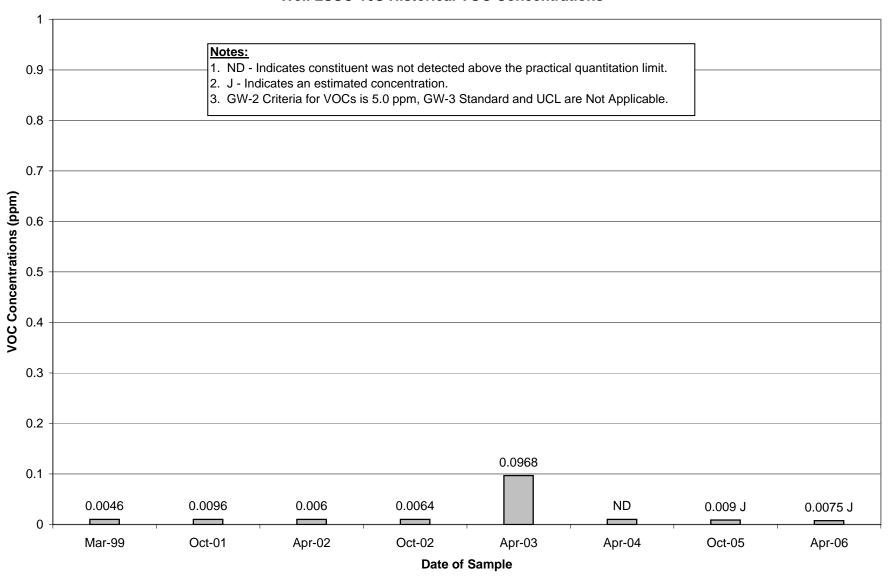
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well N2SC-07S Historical VOC Concentrations



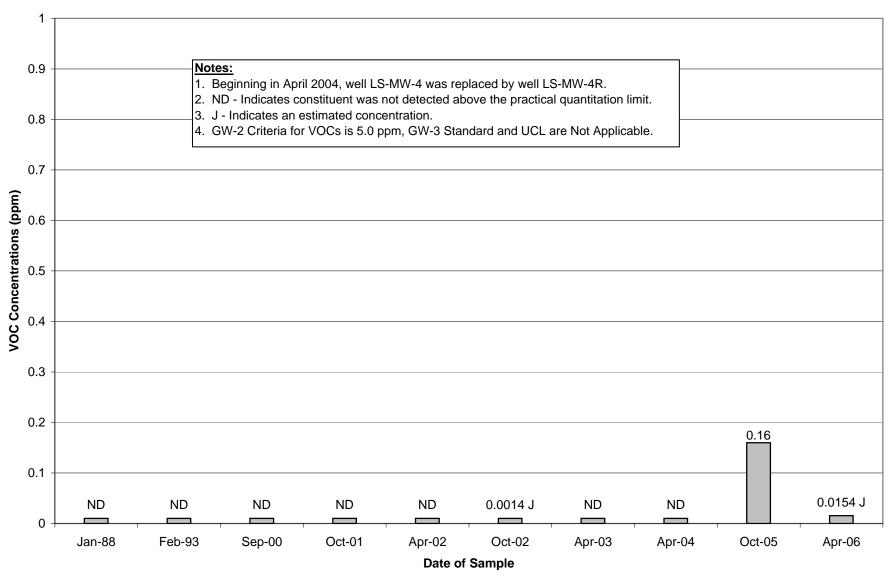
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LSSC-16S Historical VOC Concentrations



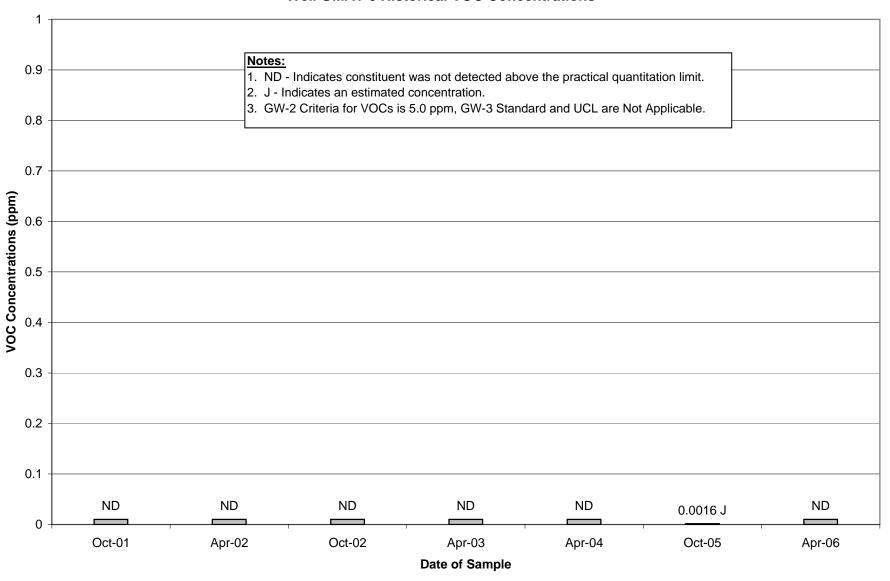
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



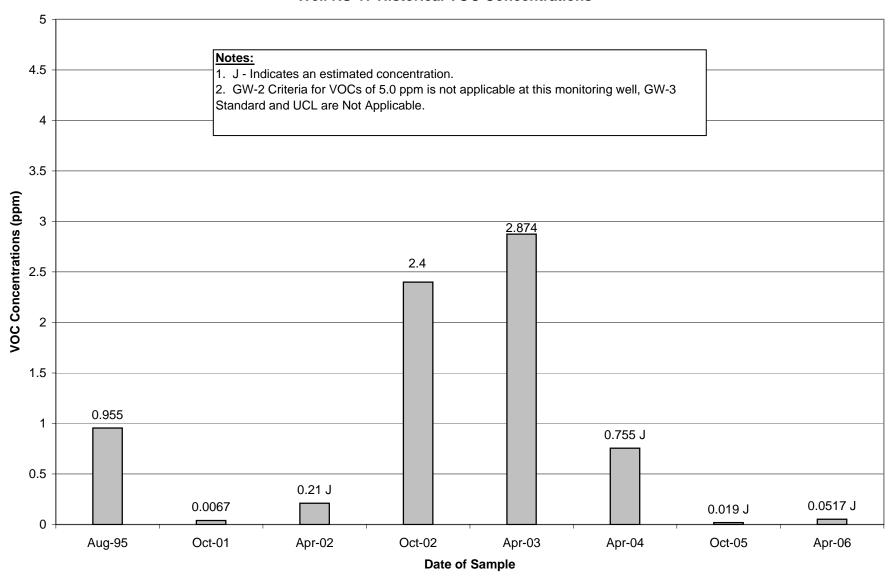
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well GMA1-6 Historical VOC Concentrations



Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well NS-17 Historical VOC Concentrations



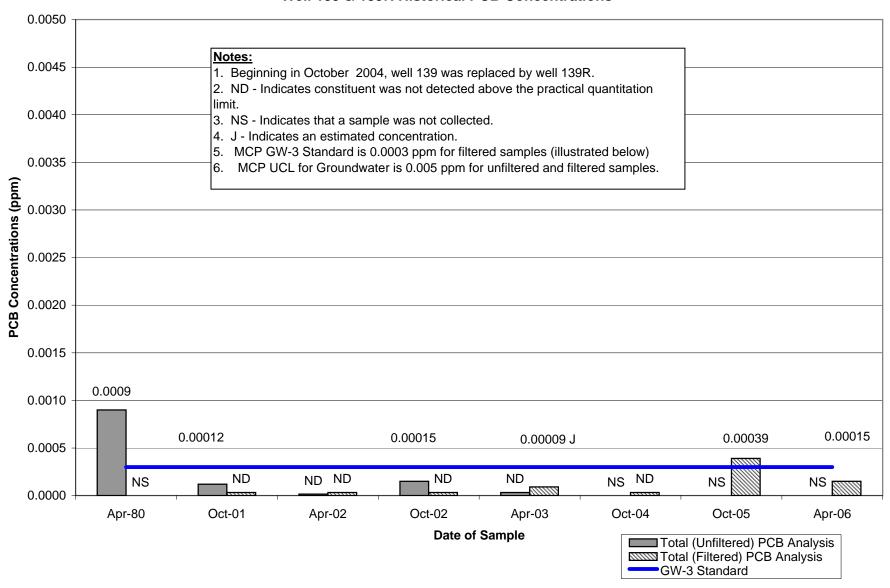
Historical Groundwater Data

Total PCB Concentrations – Wells Sampled in Spring 2006



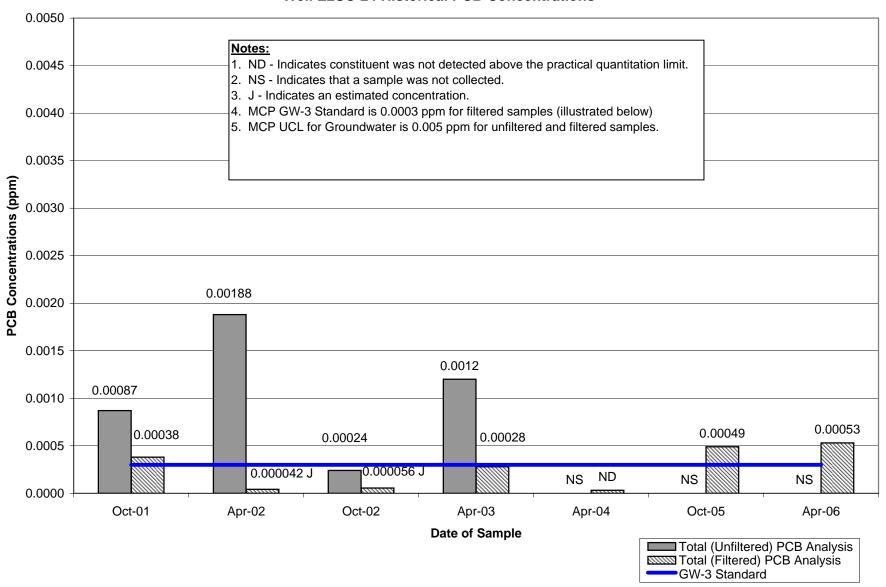
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Well 139 & 139R Historical PCB Concentrations



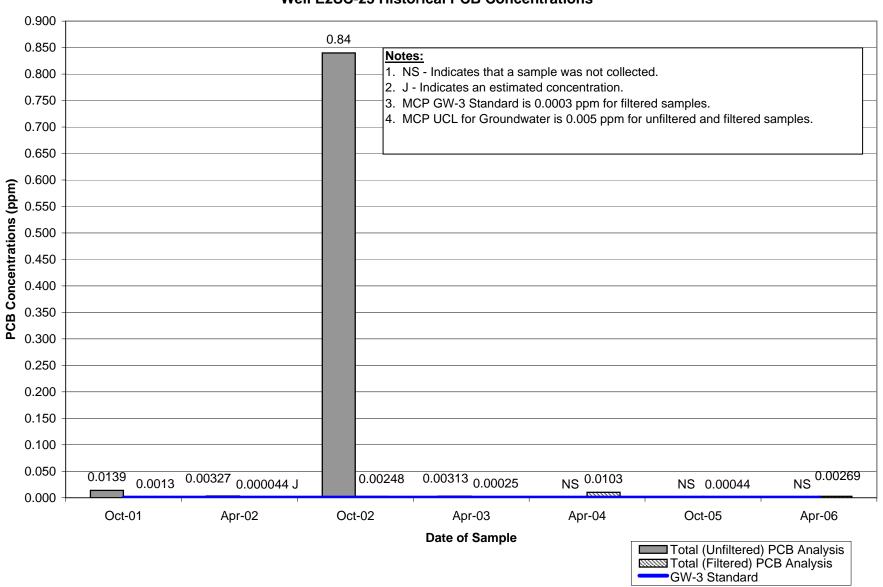
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well E2SC-24 Historical PCB Concentrations



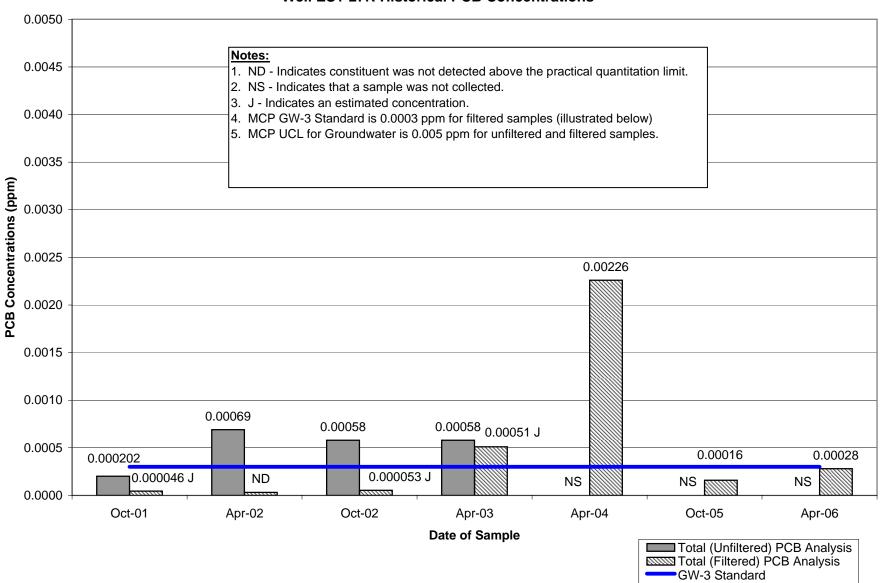
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well E2SC-23 Historical PCB Concentrations



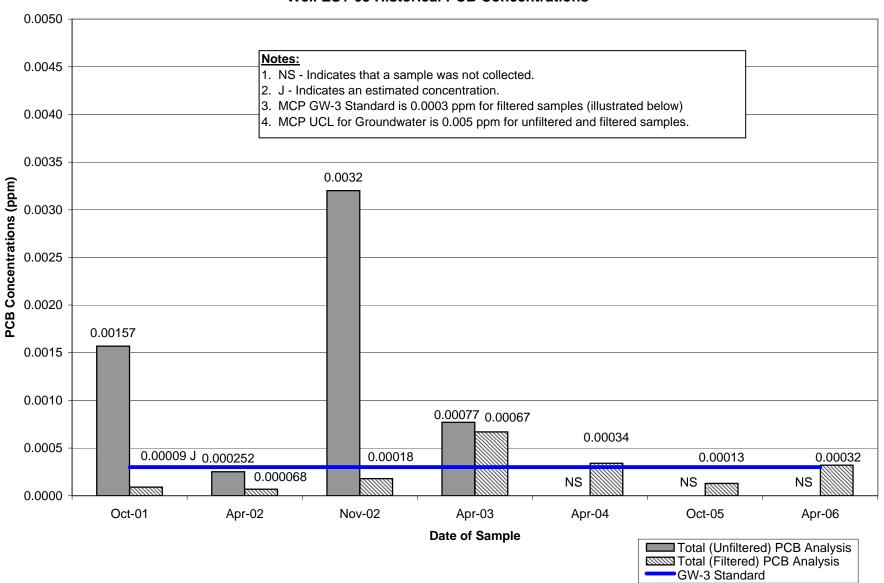
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Well ES1-27R Historical PCB Concentrations



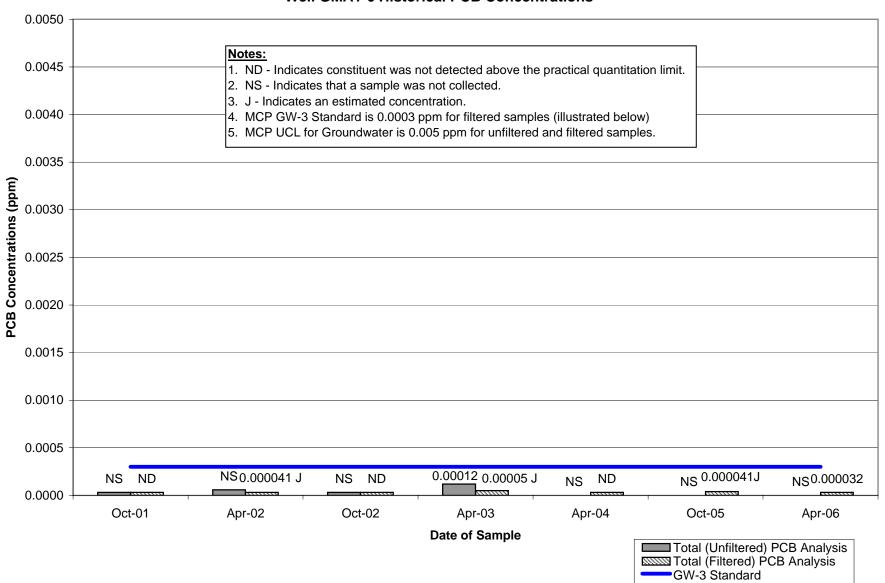
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES1-05 Historical PCB Concentrations



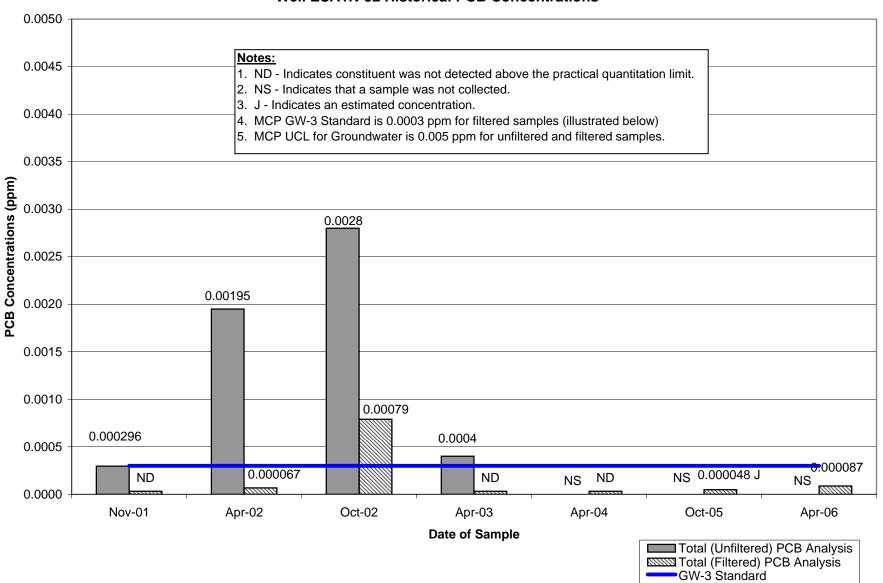
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well GMA1-6 Historical PCB Concentrations



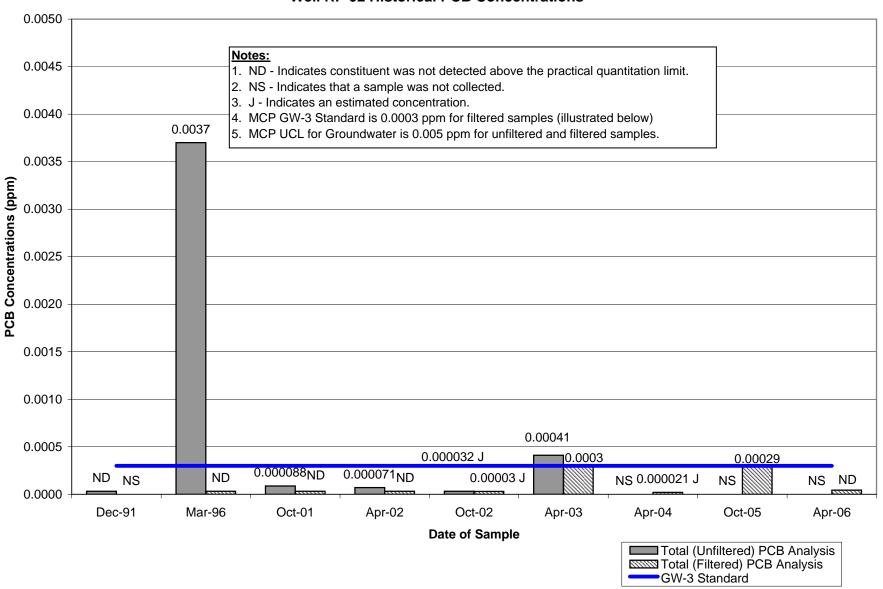
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Well ESA1N-52 Historical PCB Concentrations



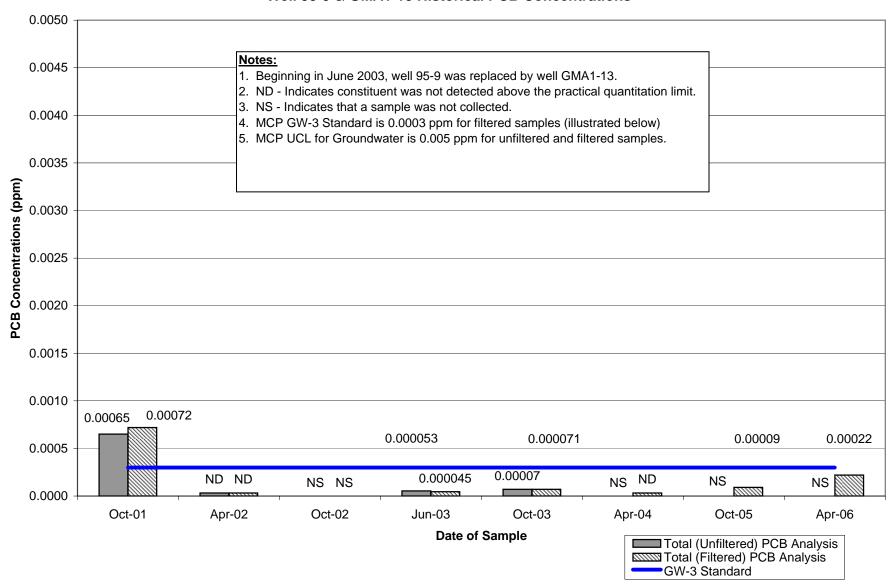
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well RF-02 Historical PCB Concentrations



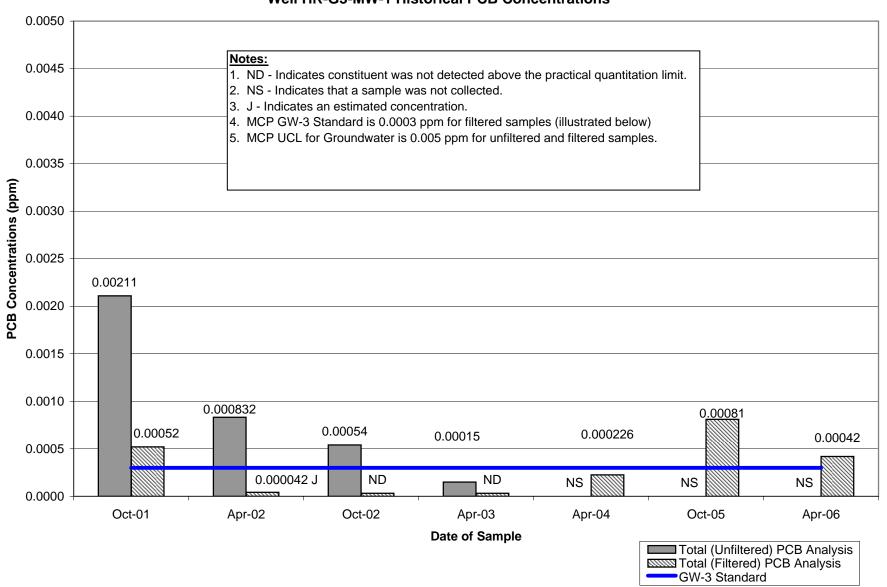
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well 95-9 & GMA1-13 Historical PCB Concentrations



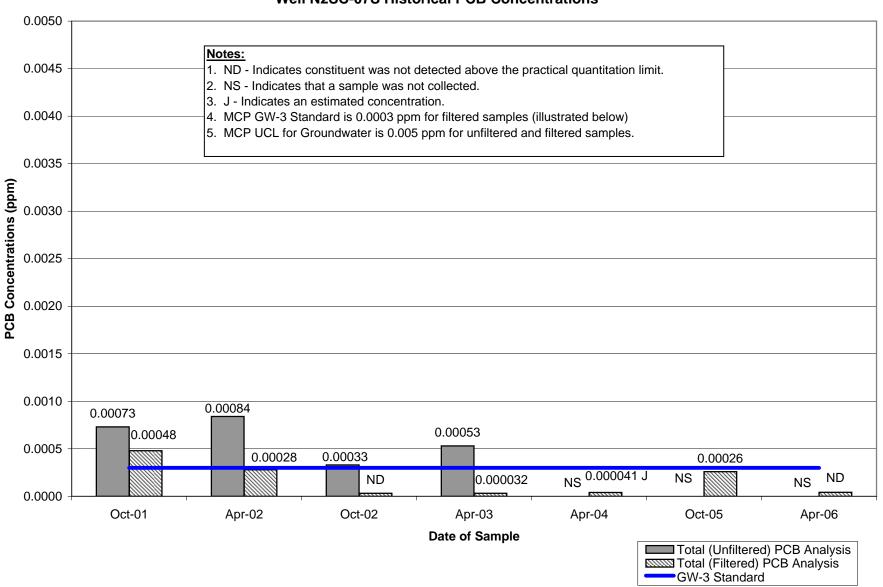
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well HR-G3-MW-1 Historical PCB Concentrations



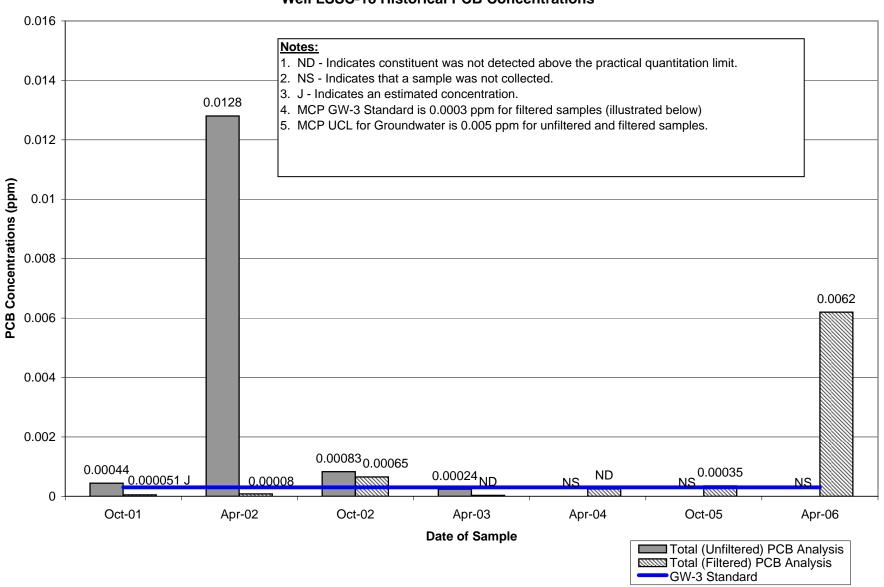
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well N2SC-07S Historical PCB Concentrations



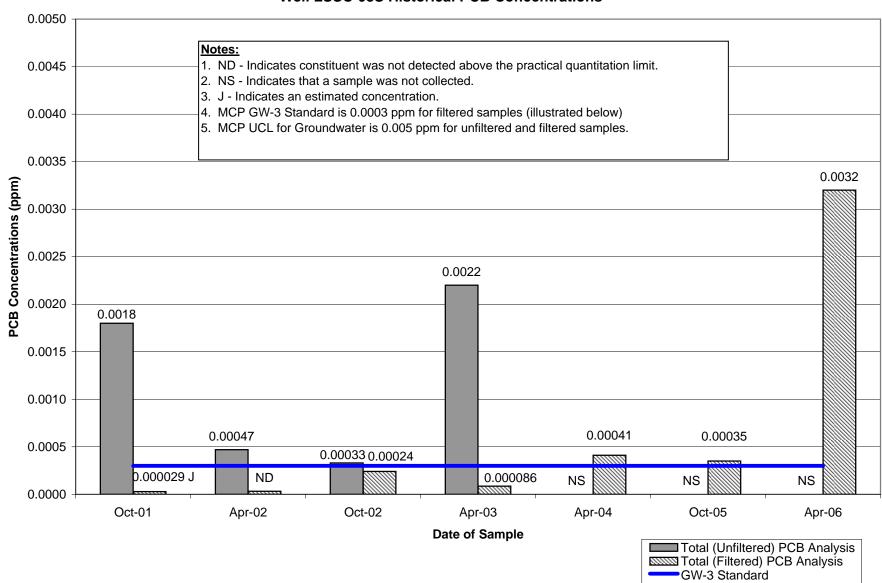
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LSSC-18 Historical PCB Concentrations



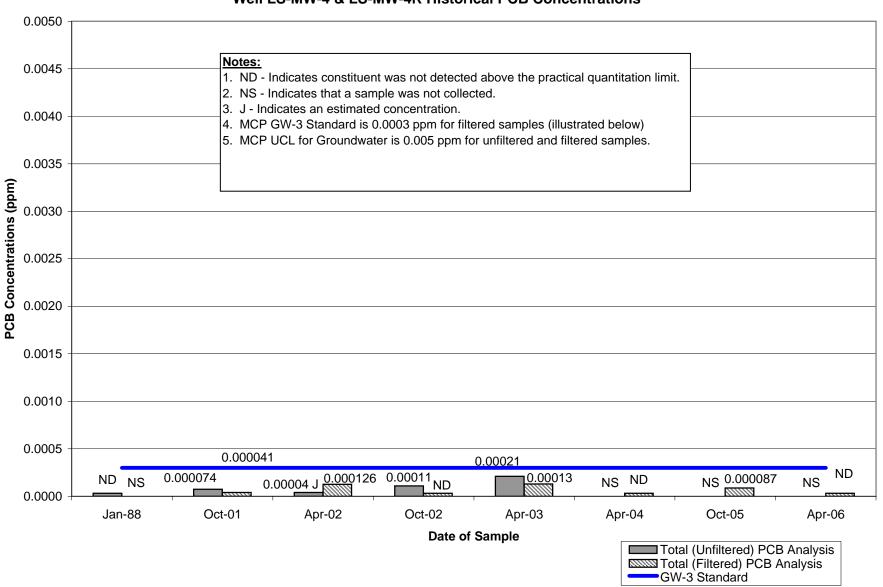
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LSSC-08S Historical PCB Concentrations



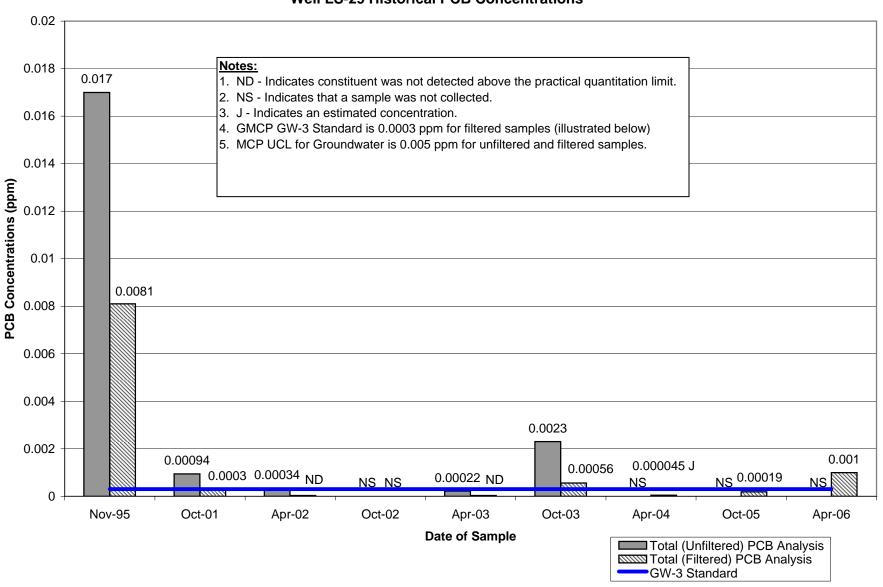
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LS-MW-4 & LS-MW-4R Historical PCB Concentrations



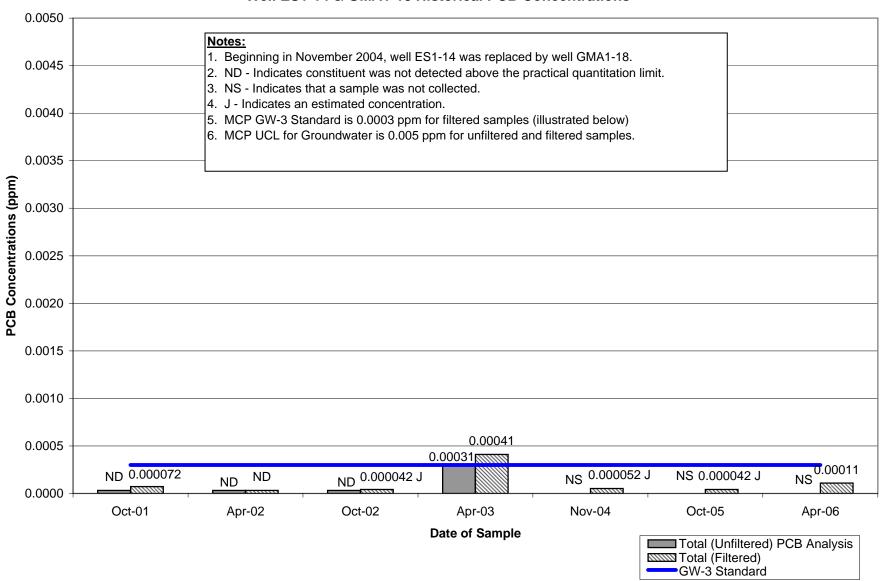
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LS-29 Historical PCB Concentrations



Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES1-14 & GMA1-18 Historical PCB Concentrations



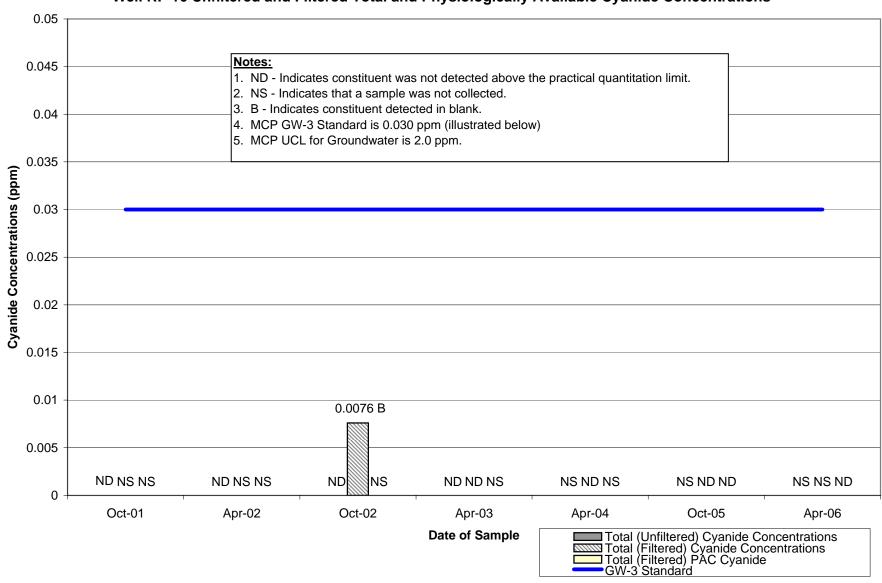
Historical Groundwater Data

Cyanide Concentrations – Wells Sampled in Spring 2006



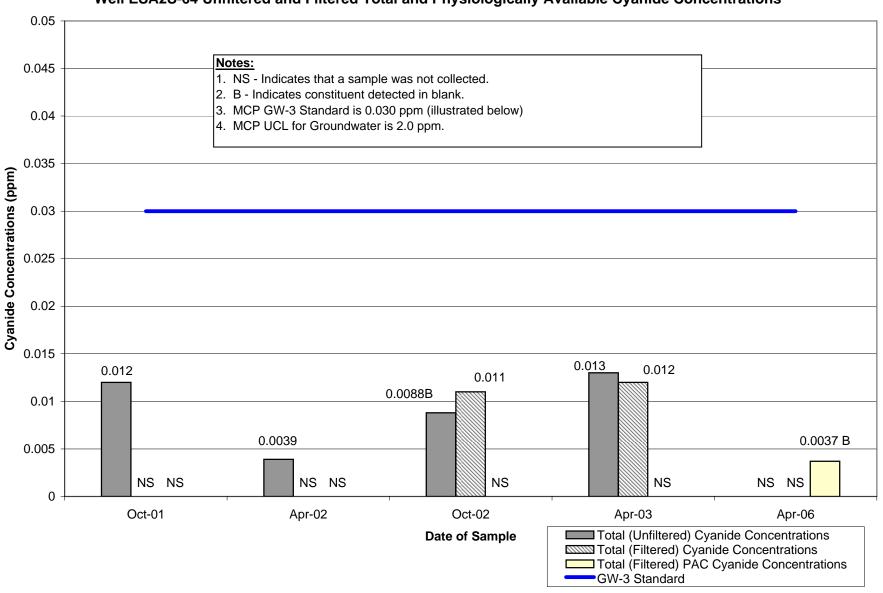
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well RF-16 Unfiltered and Filtered Total and Physiologically Available Cyanide Concentrations



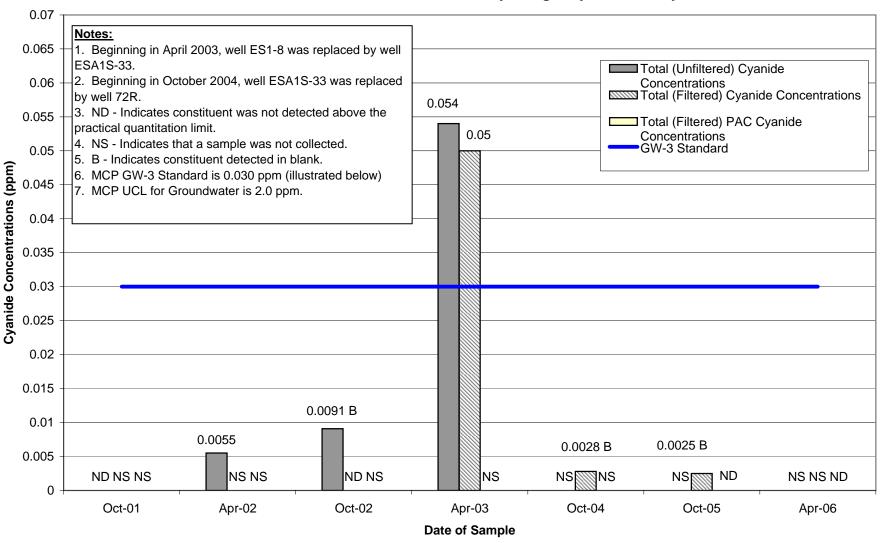
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ESA2S-64 Unfiltered and Filtered Total and Physiologically Available Cyanide Concentrations



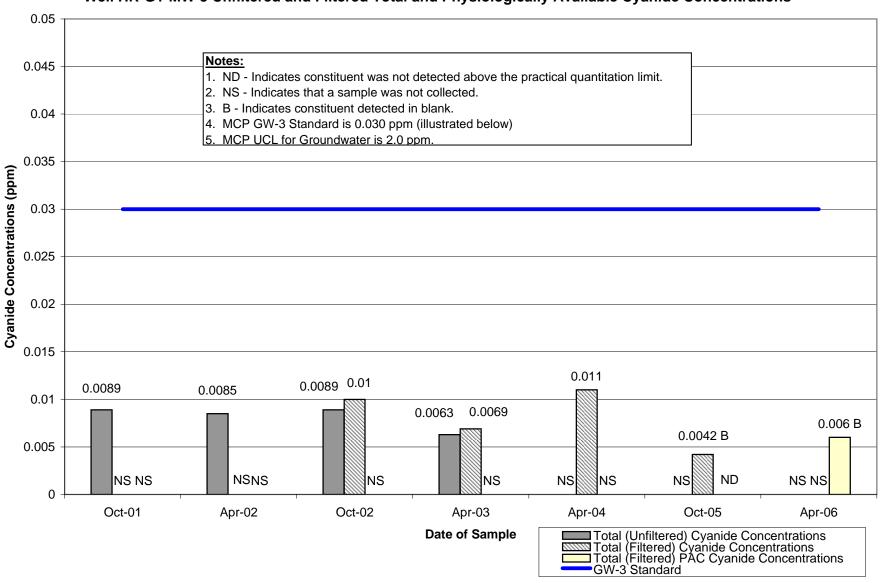
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



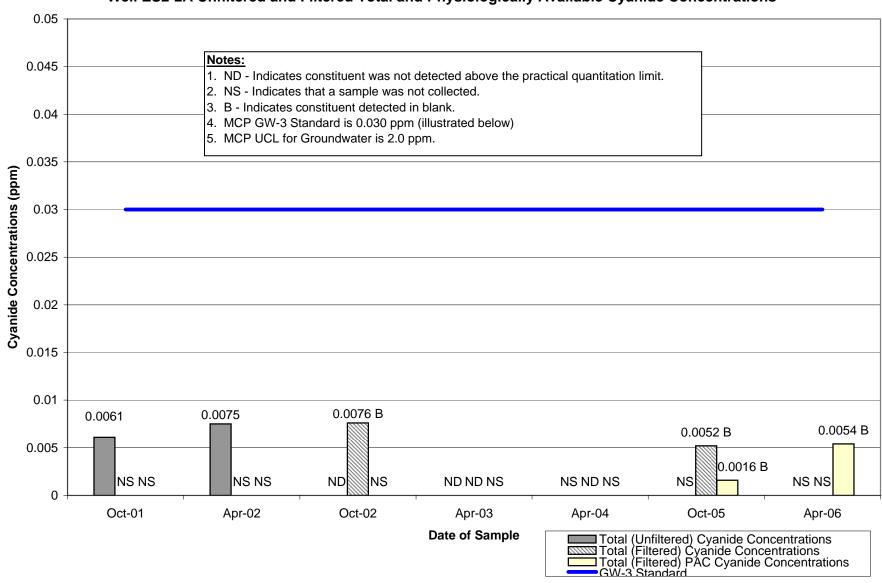
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well HR-G1-MW-3 Unfiltered and Filtered Total and Physiologically Available Cyanide Concentrations



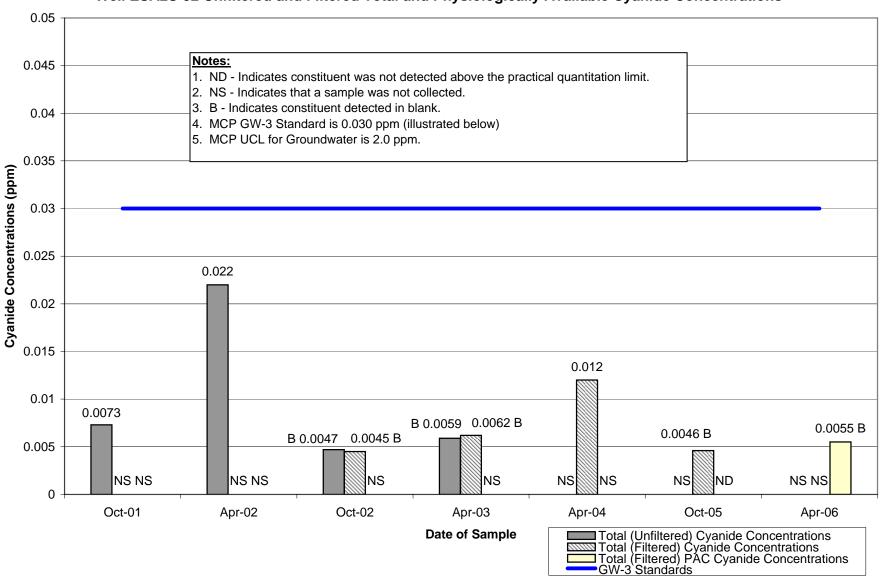
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES2-2A Unfiltered and Filtered Total and Physiologically Available Cyanide Concentrations



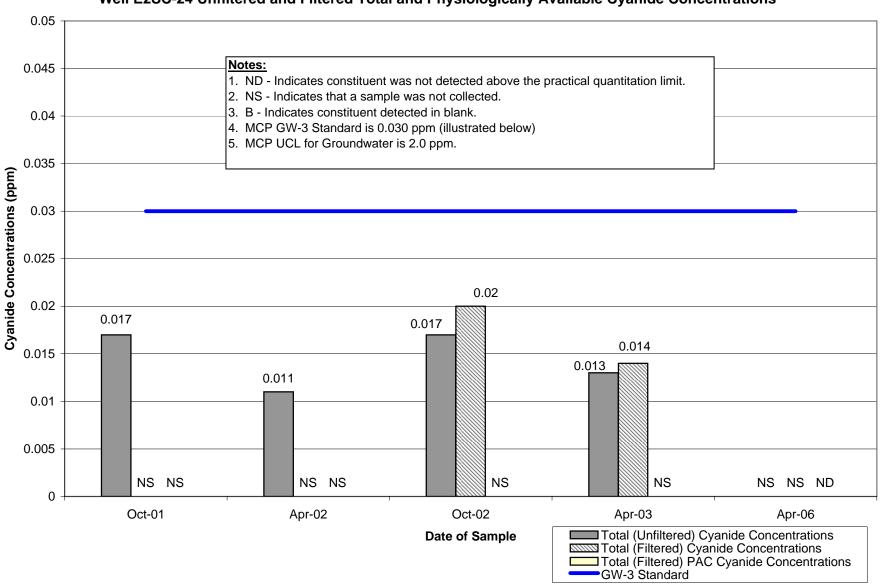
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ESA2S-52 Unfiltered and Filtered Total and Physiologically Available Cyanide Concentrations



Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well E2SC-24 Unfiltered and Filtered Total and Physiologically Available Cyanide Concentrations



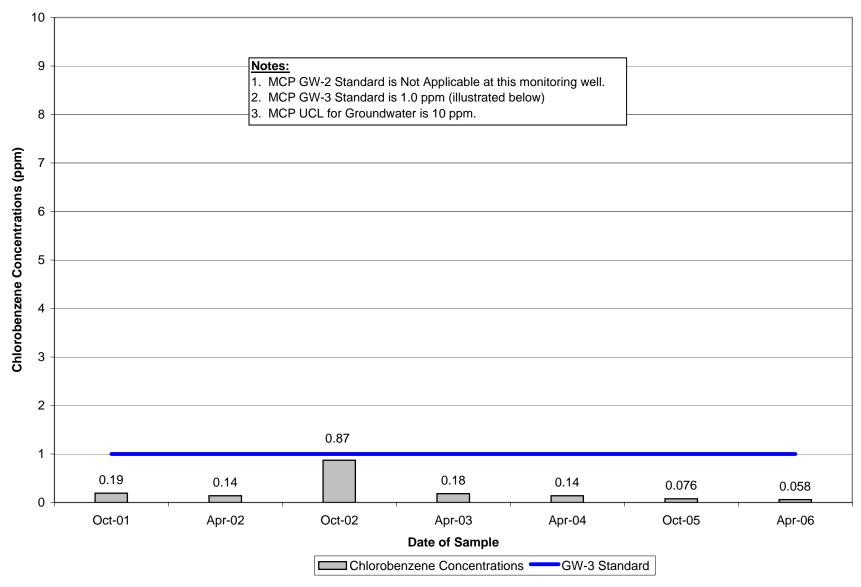
Historical Groundwater Data

Chlorobenzene Concentrations – Selected Wells



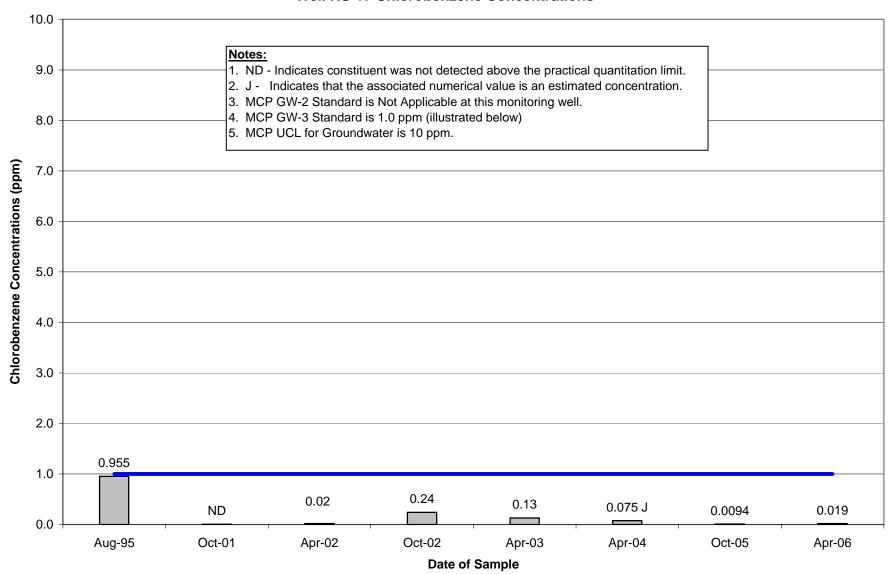
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well N2SC-07S Chlorobenzene Concentrations



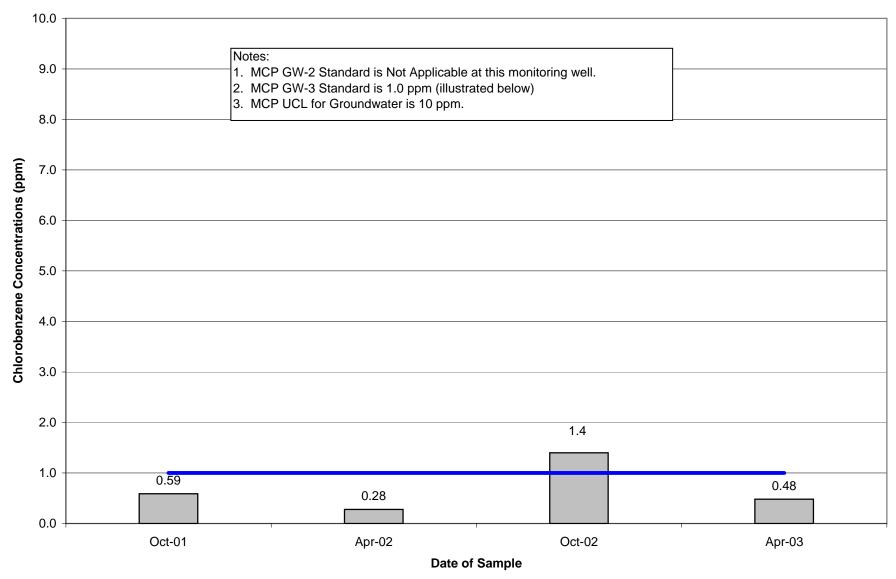
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well NS-17 Chlorobenzene Concentrations



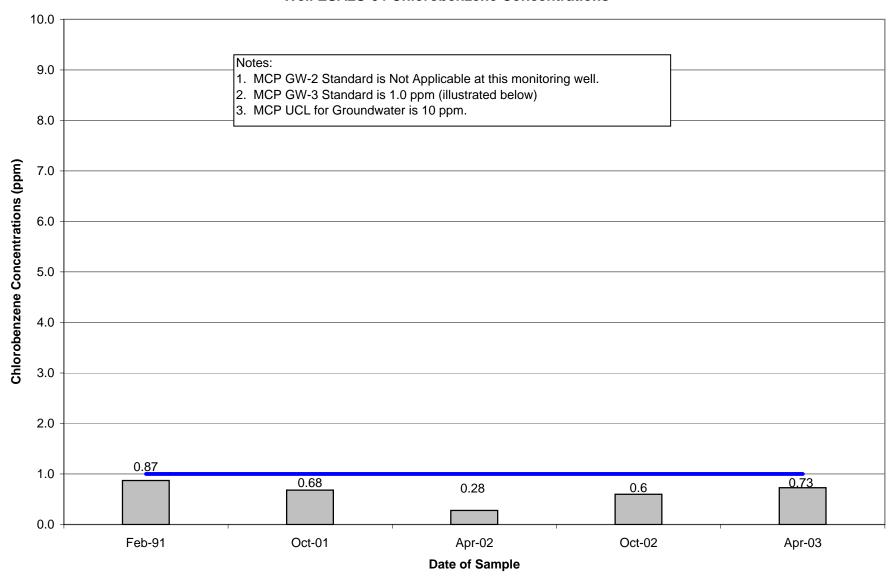
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well 3-6C-EB-14 Chlorobenzene Concentrations



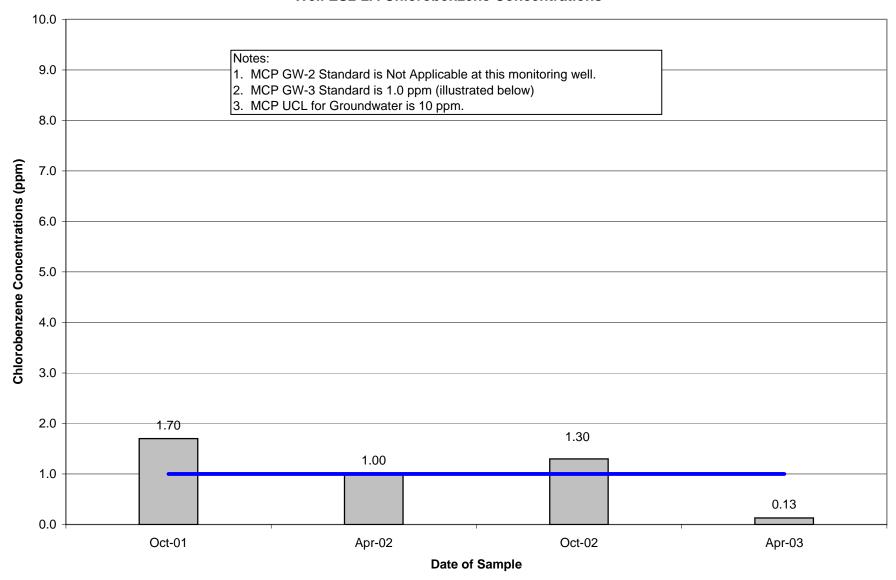
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ESA2S-64 Chlorobenzene Concentrations



Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES2-2A Chlorobenzene Concentrations



Appendix D

Data Validation Report



APPENDIX D GROUNDWATER SAMPLING DATA VALIDATION REPORT GROUNDWATER MANAGEMENT AREA 1 (GMA 1)

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 1 (GMA 1) located in Pittsfield, Massachusetts. The samples were analyzed for various constituents listed in Appendix IX of 40 CFR Part 264, plus one additional constituent -- 2-chloroethyl vinyl ether (hereafter referred to as Appendix IX+1) by SGS Environmental Services, Inc. (formerly CT&E) of Charleston, West Virginia. Data validation was performed for 18 polychlorinated biphenyl (PCB) samples, ten volatile organic compound (VOC) samples, and nine 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); and
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, USEPA Region I (Draft, December 1996).

A tabulated summary of the Tier I and Tier II data evaluations is presented in Table D-1. Each sample subjected to evaluation is listed in Table D-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 D-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 D-1 for consistency with documents previously prepared for this investigation.
- R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purpose.

3.0 Data Validation Procedures

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

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

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

		Tier I Only					
Parameter	Samples	Duplicates Blanks Samples Duplicates Blanks		Total			
PCBs	0	0	0	17	1	1	19
VOCs	0	0	0	6	1	3	10
Cyanides	0	0	0	7	1	1	9
Total	0	0	0	30	3	5	38

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

4.0 Data Review

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

Compound Qualified Due to Continuing Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	10	J
	Acetonitrile	10	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 be less than 25%. Sample data for detect and non-detect compounds with %D values that exceeded the continuing calibration criteria were qualified as estimated (J). A summary of the compounds that exceeded the continuing calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Bromomethane	4	J
	Carbon Tetrachloride	6	J
	Dichlorodifluoromethane	10	J
	Ethyl Methacrylate	4	J
	Trichlorofluoromethane	10	J

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

Compounds Qualified Due to Blank Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	Aroclor-1254	4	U
	Total PCBs	4	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			
Cyanides	100	None			
VOCs	100	None			
PCBs	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, and MS/MSD samples. None of the data required qualification due to laboratory duplicates RPD, MS/MSD RPD, or field duplicates RPD deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, Laboratory Control Standards (LCSs), MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 7.6% of the data required qualification due to calibration deviations. None of the data required qualification due to internal standards recovery deviations, LCS recovery deviations, MS/MSD recovery deviations, CRDL samples recovery deviations or surrogate compound standard recovery deviations.

5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in 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. None of the data required qualification for 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-846¹ analytical methods presented in the FSP/QAPP are updated on occasion by the USEPA to benefit from recent technological advancements in analytical chemistry and instrumentation. In most cases, the method upgrades include the incorporation of new technology that improves the sensitivity and stability of the instrumentation or allows the laboratory to increase throughput without hindering accuracy and precision. Overall, the analytical methods for this investigation have remained consistent in their general approach through 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. This analytical data set had an overall usability of 100%.

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

TABLE D - 1 ANALYTICAL DATA VALIDATION SUMMARY

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 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											
D0P033	ES1-27R (Filtered)	4/3/2006	Water	Tier II	No						
D0P033	ES1-5 (Filtered)	4/3/2006	Water	Tier II	No						
D0P033	GMA1-13 (Filtered)	4/3/2006	Water	Tier II	No						
D0P033	72R (Filtered)	4/4/2006	Water	Tier II	No						
D0P033	E2SC-23 (Filtered)	4/4/2006	Water	Tier II	No						
D0P033	GMA-DUP-1 (Filtered)	4/4/2006	Water	Tier II	No						72R (Filtered)
D0P033	GMA1-6 (Filtered)	4/4/2006	Water	Tier II	No						
D0P063	E2SC-24 (Filtered)	4/5/2006	Water	Tier II	No						
D0P063	ESA1N-52 (Filtered)	4/5/2006	Water	Tier II	No						
D0P063	GMA1-18 (Filtered)	4/5/2006	Water	Tier II	No						
D0P063	LS-29 (Filtered)	4/5/2006	Water	Tier II	No						
D0P063	LSSC-08S (Filtered)	4/5/2006	Water	Tier II	No						
D0P068	GMA-1-RB-1 (Filtered)	4/6/2006	Water	Tier II	No						
D0P068	HR-G3-MW-1 (Filtered)	4/6/2006	Water	Tier II	Yes	Aroclor-1254	Rinse Blank	-	-	ND(0.00046)	
						Total PCBs	Rinse Blank	-	-	0.00042	
D0P068	RF-02 (Filtered)	4/6/2006	Water	Tier II	Yes	Aroclor-1254	Rinse Blank	-	-	ND(0.000089)	
						Total PCBs	Rinse Blank	-	-	ND(0.000089)	
D0P068	LS-MW-4R (Filtered)	4/7/2006	Water	Tier II	Yes	Aroclor-1254	Rinse Blank	-	-	ND(0.000065)	
						Total PCBs	Rinse Blank	-	-	ND(0.000065)	
D0P068	LSSC-18 (Filtered)	4/7/2006	Water	Tier II	No		B: B: :			NB(0.000001)	
D0P068	N2SC-07S (Filtered)	4/7/2006	Water	Tier II	Yes	Aroclor-1254	Rinse Blank	-	-	ND(0.000084)	
B0B101	1 BM 400D (5% B	4/4.4/0000	187 -	- u	NI-	Total PCBs	Rinse Blank	-	-	ND(0.000084)	
D0P131	MW-139R (Filtered)	4/14/2006	Water	Tier II	No						
OCs	Izon	4/4/0000	100		.,,	L. an:	loos, ppr	0.000	0.05	NID (0.00)	
D0P033	72R	4/4/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						Acetonitrile	CCAL RRF	0.033	>0.05	ND(0.10) J	
						Bromomethane	CCAL %D	28.8%	<25%	ND(0.0020) J	
						Dichlorodifluoromethane	CCAL %D	72.4%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	25.2%	<25%	ND(0.0050) J	
D0P033	OMA DUD 4	4/4/2006	18/	Tier II	V	Trichlorofluoromethane	CCAL %D CCAL RRF	34.4% 0.003	<25%	ND(0.0050) J	700
D0P033	GMA-DUP-1	4/4/2006	Water	Herii	Yes	1,4-Dioxane Acetonitrile		0.003	>0.05 >0.05	ND(0.20) J	72R
							CCAL RRF CCAL %D	28.8%	>0.05 <25%	ND(0.10) J ND(0.0020) J	
						Bromomethane Dichlorodifluoromethane	CCAL %D	72.4%	<25% <25%	ND(0.0020) J ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	25.2%	<25% <25%	ND(0.0050) J ND(0.0050) J	
						Trichlorofluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
D0P033	GMA1-6	4/4/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.0050) J	
DUPU33	GIVIA 1-6	4/4/2006	water	Herm	162	Acetonitrile	CCAL RRF	0.003	>0.05	ND(0.20) J ND(0.10) J	
						Bromomethane	CCAL WD	28.8%	<25%	ND(0.0020) J	
						Dichlorodifluoromethane	CCAL %D	72.4%	<25%	ND(0.0050) J	
						Ethyl Methacrylate	CCAL %D	25.2%	<25%	ND(0.0050) J	
						Trichlorofluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
D0P033	TRIP BLANK	4/4/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
20. 000	THE DEFINIT	7/7/2000	vvaici	110111	163	Acetonitrile	CCAL RRF	0.003	>0.05	ND(0.10) J	
						Bromomethane	CCAL WD	28.8%	<25%	ND(0.0020) J	
						Dichlorodifluoromethane	CCAL %D	72.4%	<25%	ND(0.0020) J	
						Ethyl Methacrylate	CCAL %D	25.2%	<25%	ND(0.0050) J	
						Trichlorofluoromethane	CCAL %D	34.4%	<25%	ND(0.0050) J	
D0P068	GMA-1-RB-1	4/6/2006	Water	Tier II	Yes	1.4-Dioxane	CCAL 78D	0.003	>0.05	ND(0.0030) J	
	GMA-1-RB-1	,,0,2000	*******		.00	Acetonitrile	CCAL RRF	0.033	>0.05	ND(0.10) J	
						Carbon Tetrachloride	CCAL %D	36.4%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						Trichlorofluoromethane	CCAL %D	41.6%	<25%	ND(0.0050) J	
D0P068	LSSC-16S	4/6/2006	Water	Tier II	Yes	1.4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
20. 000	2000-100	4/0/2000	water	Hel II	103	Acetonitrile	CCAL RRF	0.003	>0.05	ND(0.10) J	
						Carbon Tetrachloride	CCAL %D	36.4%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
	1	1		1		Trichlorofluoromethane	CCAL %D	41.6%	<25%	ND(0.0050) J	1

TABLE D - 1 ANALYTICAL DATA VALIDATION SUMMARY

PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR SPRING 2006 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

0											
Sample Delivery											
Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
		Date Collected	Widtrix	Validation Level	Qualification	Compound	QA/QC Parameter	value	CONTROL LIMITS	Qualified Result	Notes
VOCs (contin 6D0P068	LS-MW-4R	4/7/0000	18/	T 0	V	1.4-Dioxane	CCAL RRF	0.003	0.05	ND(0.20) J	T
6D0P068	LS-IVIVV-4R	4/7/2006	Water	Tier II	Yes				>0.05		
						Acetonitrile	CCAL RRF	0.033	>0.05	ND(0.10) J	
						Carbon Tetrachloride	CCAL %D	36.4%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
0000000	11000 070	4/7/0000	187 .		.,	Trichlorofluoromethane	CCAL %D	41.6%	<25%	ND(0.0050) J	
6D0P068	N2SC-07S	4/7/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						Acetonitrile	CCAL RRF	0.033	>0.05	ND(0.10) J	
						Carbon Tetrachloride	CCAL %D	36.4%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						Trichlorofluoromethane	CCAL %D	41.6%	<25%	ND(0.0050) J	
6D0P068	NS-17	4/7/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						Acetonitrile	CCAL RRF	0.033	>0.05	ND(0.10) J	
						Carbon Tetrachloride	CCAL %D	36.4%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						Trichlorofluoromethane	CCAL %D	41.6%	<25%	ND(0.0050) J	
6D0P068	TRIP BLANK	4/7/2006	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.003	>0.05	ND(0.20) J	
						Acetonitrile	CCAL RRF	0.033	>0.05	ND(0.10) J	
						Carbon Tetrachloride	CCAL %D	36.4%	<25%	ND(0.0050) J	
						Dichlorodifluoromethane	CCAL %D	34.0%	<25%	ND(0.0050) J	
						Trichlorofluoromethane	CCAL %D	41.6%	<25%	ND(0.0050) J	
Cyanides											
6D0P033	72R (Filtered)	4/4/2006	Water	Tier II	No						
6D0P033	ESA2S-52 (Filtered)	4/4/2006	Water	Tier II	No					1	
6D0P033	ESA2S-64 (Filtered)	4/4/2006	Water	Tier II	No						
6D0P033	GMA-DUP-1 (Filtered)	4/4/2006	Water	Tier II	No						72R (Filtered)
6D0P063	E2SC-24 (Filtered)	4/5/2006	Water	Tier II	No			·			<u> </u>
6D0P063	ES2-02A (Filtered)	4/5/2006	Water	Tier II	No						
6D0P068	GMA-1-RB-1 (Filtered)	4/6/2006	Water	Tier II	No						
6D0P068	HR-G1-MW-3 (Filtered)	4/6/2006	Water	Tier II	No						
6D0P068	RF-16 (Filtered)	4/6/2006	Water	Tier II	No						