

Transmitted Via Overnight Courier

January 30, 2006

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

Re: GE-Pittsfield/Housatonic River Site

Groundwater Management Area 1 (GECD310)
Groundwater Quality Interim Report for Fall 2005

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 Fall 2005. This report summarizes activities performed as part of the Plant Site 1 Groundwater Management Area (GMA 1) interim groundwater quality monitoring program during fall 2005, 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.

John F. Novotny, P.E.

Manager - Facilities and Brownfields Programs

#### Enclosure

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# Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2005

**General Electric Company Pittsfield, Massachusetts** 

January 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. Those modifications were documented in update letters from GE to EPA dated May 18, August 16, and August 22, 2001.

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 an 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 was scheduled to begin 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. Additionally, the fall 2003 event included the collection of samples for mercury analysis from 12 wells at which mercury had been detected in the fall 2002 sampling round.

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 initial full round of interim groundwater sampling activities performed at this GMA in April 2004 were provided in GE's July 2004 Plant Site 1 Groundwater Management Area Groundwater Quality Interim Report for Spring 2004 (Spring 2004 GMA 1 Groundwater Quality Report, which was approved by EPA in a letter dated November 12, 2004), while the results of a limited sampling event conducted in fall 2004 at locations that could not be sampled in spring 2004 were provided in the Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2004 (Fall 2004 GMA 1 Groundwater Quality Report, approved by EPA in a letter dated May 31, 2005). The results of the most recent round of interim groundwater sampling activities conducted in fall 2005 are provided in this Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2005 (Fall 2005 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.

#### 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 include:

- 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.

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 1,2diphenyhydrazine (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, as summarized in Table 1.

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 December 2005 to review any reports that have been submitted regarding this site since submittal of the Fall 2004 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 fall 2005. Section 3 presents the analytical results obtained during the fall 2005 sampling event performed between October 3, 2005 and October 13, 2005. Section 4 provides a summary of the applicable groundwater quality Performance Standards identified in the CD and SOW, and provides an assessment of the results of the fall 2005 activities, including a comparison to those Performance Standards. Finally, Section 5 proposes a modification 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 fall 2005 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 fall 2005 groundwater sampling event was performed between October 3 and 13, 2005. Groundwater samples were collected from all 23 groundwater monitoring wells scheduled for interim sampling. 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 fall 2005 monitoring event is provided below:

PARAMETER	UNITS	RANGE
Turbidity	Nephelometric turbidity units (NTU)	1.0 - 12.0
pН	pH units	6.46 - 7.54
Specific Conductivity	Millisiemens per centimeter	0.381 - 8.248
Oxidation-Reduction Potential	Millivolts	-147.9 – 334.2
Dissolved Oxygen	Milligrams per liter	0.40 - 10.78
Temperature	Degrees Celsius	13.68 – 23.89

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
Total Cyanide (Filtered Samples)	9014
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. In addition, VOC samples from GW-3 monitoring wells N2SC-07S and NS-17 were also analyzed for the five select SVOCs due to a laboratory processing error.

Following receipt of the analytical data from the laboratory, the preliminary results were reviewed for completeness and compared to the Massachusetts Contingency Plan (MCP) Method 1 GW-2 (where applicable) and GW-3 standards, and to the MCP Upper Concentration Limits (UCLs) for groundwater. The preliminary analytical results were presented in the next monthly report on overall activities at the GE-Pittsfield/Housatonic River Site. 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, 98.2% of the fall 2005 groundwater quality data are considered to be useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The VOC and cyanide results were found to be 100% usable. The validated analytical results are summarized in Section 3 and discussed in Section 4 below.

3. Fall 2005 Analytical Results

3.1 General

A description of the fall 2005 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

3.2 Groundwater Sample Results

Standards and the UCLs is provided in Section 4.

The following paragraphs provide an overview of the fall 2005 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 fall 2005 sampling event. The VOC analytical results are summarized in Table A-1 of Appendix A. No VOCs were detected in one of the groundwater samples (well 72R), while nine individual VOCs were observed in the remaining samples. Total VOC concentrations ranged from non-detect (in one sample) to 0.46 ppm (N2SC-7S). Three VOCs (benzene, chlorobenzene, and vinyl chloride) were detected in more than one groundwater sample. All detected VOC constituents were below the relevant Method 1 GW-2 and GW-3 standards.

3.2.2 SVOC Results

Five 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 and two GW-3 wells, as discussed in Section 2.3. The SVOC analytical results are summarized in Table A-1 of Appendix A. No SVOCs were detected in the three GW-2 wells, while up to two SVOCs were detected in the two GW-3 wells that were inadvertently analyzed for these constituents.

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Specifically, 1,3-Dichlorobenzene was detected in the samples collected from wells N2SC-7S and NS-17 and 1,4-dichlorobenzene was detected in the sample from well NS-17. The concentrations of SVOCs in wells N2SC-7S and NS-17 were two to three orders of magnitude below the applicable GW-3 standards.

#### 3.2.3 PCB Results

Filtered groundwater samples from seventeen monitoring wells were analyzed for PCBs as part of the fall 2005 sampling event. The PCB analytical results are summarized in Table A-1 of Appendix A. PCBs (Aroclor 1254 only) were detected in all of the wells analyzed for PCBs. Total PCB concentrations in the filtered samples ranged from an estimated value of 0.000041 ppm (at well GMA1-6) to 0.00081 ppm (at well HR-G3-MW-1).

#### 3.2.4 Cyanide Constituent Results

Five filtered groundwater samples were analyzed for cyanide during the fall 2005 sampling event. The analytical results for these samples are summarized in Table A-1 of Appendix A. Cyanide was not detected in one of the groundwater samples (RF-16). In the remaining four samples, cyanide concentrations ranged from 0.0025 ppm to 0.0052 ppm. All detected cyanide concentrations were below the practical quantitation limit of 0.010 ppm.

As proposed in the Fall 2004 GMA 1 Groundwater Quality Report, 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) described above; and (2) the modified analytical method finalized by MDEP to determine the concentrations of physiologically available cyanide (PAC). The PAC protocols are contained in the 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)*. The analytical results for these samples are summarized in Table A-1 of Appendix A. PAC was not detected in four of the groundwater samples. One detection at a level below the practical quantitation limit was observed in groundwater collected at well ES2-2A (0.0016 ppm).

As discussed above, all detected cyanide concentrations were below the practical quantitation limit of 0.010 ppm, whether the standard EPA Method 9014 or the PAC Protocol was employed in the analyses. In Section 5.2, GE proposes to implement the PAC Protocol for all future cyanide analyses at GMA 1.

### 4. Assessment of Results

#### 4.1 General

This report constitutes the fourth interim monitoring report and is the eighth 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 fall 2005 groundwater sampling event, supplemented with historical groundwater analytical data when available.

#### 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 fall 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 numerical standards (Wave 2 Standards) for a number of constituents. In approving those standards, MDEP stated that the revised standards are expected to become effective on April 3, 2006. MDEP stated, however, that parties may, at their option, use those revised standards pursuant to 40 CMR 40.0982(7) to characterize risk at a disposal site and the use of these standards will be considered a Method 2 Risk Characterization. For PCBs, the issued Wave 2 standards do not change the current Method 1 standard, but they state that PCBs will be subject to a further change in a spring 2006 proposal by MDEP. For the assessment of analytical results included in this report, GE has elected to continue to utilize the current MCP Method 1 standards. Once the Wave 2 Standards become effective, GE proposes to incorporate those standards into future data assessments at this GMA.

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 2.3, only selected wells were sampled in fall 2005.

#### 4.3 Groundwater Quality – Fall 2005

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the fall 2005 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 fall 2005 groundwater analytical results in relation to these Performance Standards, as well as in relation to the MCP UCLs for groundwater. In support of those discussions, Tables 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 Fall 2005 Groundwater Results Relative to GW-2 Performance Standards

As part of the fall 2005 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 fall 2005 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 fall 2005 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 Fall 2005 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected form each of the 22 wells designated for GW-3 monitoring that were scheduled to be sampled during the fall 2005 interim sampling event. The fall 2005 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 fall 2005 analytical results from all 22 GW-3 monitoring wells that were sampled in fall 2005, only 14 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 the filtered PCB sample results from six GW-3 locations were above the MCP Method 1 GW-3 standard of 0.0003 ppm for PCBs. These samples were collected from wells 139R, E2SC-23, E2SC-24, HR-G3-MW-1, LSSC-8S, and LSSC-18. All of these locations 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, except for well 139R (although PCBs were previously observed in filtered and unfiltered samples collected from well 139, which was the predecessor to this well). As discussed in Section 4.4 below, GE's proposed response to these exceedances, including the new exceedance in well 139R, is to continue the interim monitoring program.

#### 4.3.3 Fall 2005 Comparison to Upper Concentration Limits

In addition to comparing the fall 2005 groundwater analytical results with applicable MCP Method 1 GW-2 and GW-3 standards, the analytical results from all 23 wells that were sampled were compared with the groundwater UCLs specified in the MCP (310 CMR 40.0996(7)). These comparisons are presented in Table 6. As shown on Table 6, none of the constituents detected in the groundwater samples collected in fall 2005 was found at levels above the applicable groundwater UCLs.

#### 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 fall 2005 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 at GW-3 monitoring wells during any of the prior baseline monitoring program sampling events that were analyzed for those constituents in fall 2005. No exceedances of the MCP Method 1 GW-2 standards have been documented at the GW-2 monitoring wells, and therefore no graphs have been prepared based on GW-2 sampling 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 the six wells where the Method 1 GW-3 standard for PCBs was exceeded (wells 139R, E2SC-23, E2SC-24, HR-G3-MW-1, LSSC-8S, and LSSC-18), prior PCB data has shown similar or greater concentrations than those detected during fall 2005. Therefore, GE's proposed response action to address these exceedances is to continue the interim sampling program at these locations. The filtered PCB results from wells 139R, E2SC-24, and HR-G3-MW-1 are above previous filtered PCB results from these wells, although filtered samples above the Method 1 GW-3 standard have previously been collected from wells E2SC-24 and HR-G3-MW-1. In addition, prior data from unfiltered samples analyzed from these two locations and from well 139, which was replaced by well 139R in October 2004, have shown PCB concentrations greater than the levels detected in the fall 2005 filtered samples. GE's proposed response to address these results is also to continue the interim sampling program at these wells.

## 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 a proposed modification to the interim groundwater monitoring program based on the results of the fall 2005 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 the upcoming spring 2006 interim monitoring event and associated reporting activities. A summary of the anticipated spring 2006 interim sampling program is provided in Table 7.

#### 5.2 Modification to Interim Groundwater Quality Monitoring Program

The only general modification to the interim program proposed at this time is to utilize the PAC protocols for future cyanide analyses under the interim monitoring program.

Analytical results above the MCP Method 1 GW-3 standard for cyanide were detected in unfiltered samples collected from several GMA 1 wells during the initial rounds of the baseline monitoring program. In the *Plant Site 1 Groundwater Management Area Baseline Groundwater Quality Interim Report for Spring 2002* (Spring 2002 GMA 1 Groundwater Quality Report), GE's proposed response to those exceedances was to collect and analyze filtered samples for cyanide, in addition to performing analysis of unfiltered samples as part of the remaining baseline activities. The additional data have allowed GE to assess the presence of soluble cyanide in groundwater at GMA 1 and, currently, only filtered samples are collected for cyanide analysis as part of the interim monitoring program.

In the Fall 2004 GMA 1 Groundwater Quality Report, GE proposed to further evaluate the presence of cyanide in groundwater during the next interim monitoring event by incorporating modifications to the analytical method recently finalized by MDEP to determine the concentrations of physiologically available cyanide (PAC) in the samples. Following EPA approval, as discussed above, GE analyzed each sample scheduled for cyanide analysis in the fall 2005 sampling round by the standard method that has been utilized up to the present time in the program (i.e., EPA Method 9014) and also under the PAC protocols contained in the 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)*. Those results, presented in Section 3.2.4, indicated that the two methods produced similar results (i.e., low levels of cyanide detected near or below the practical quantitation limit). Since the PAC data may be more useful to support future risk assessment-related activities related to cyanide in groundwater than the current total cyanide data (if any such activities are found to be necessary), GE proposes to implement the PAC Protocol for all future cyanide analyses from GMA 1 groundwater.

In addition to the general modification to the interim sampling program discussed above, for the next interim sampling event, GE proposes to sample select baseline monitoring program wells that have previously contained cyanide concentrations above the applicable MCP GW-3 standard when analyzed under standard EPA Method 9014, and to analyze those samples for cyanide utilizing the PAC protocols. Specifically, to further assess the presence of PAC at GMA 1, GE proposes to sample wells E2SC-24 and ESA2S-64 in spring 2006 and analyze those samples for cyanide utilizing MDEP's PAC protocols. These two wells contained levels of cyanide above the MCP GW-3 standard when analyzed under EPA Method 9014 during the baseline monitoring program, and the data to be obtained by the proposed PAC analyses may be useful in GE's preparation of a long-term monitoring program proposal for GMA 1.

#### 5.3 Field Activities Schedule

The next interim groundwater quality sampling round is scheduled for April 2006. 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 the Spring 2006 Interim Groundwater Quality Report for GMA 1 by July 31, 2006, in accordance with the reporting schedule approved by EPA. That report will present the final, validated spring 2006 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.

# **Tables**



# TABLE 1 FALL 2005 GROUNDWATER QUALITY MONITORING PROGRAM

#### PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number	Number Monitoring Well Usage		Fall 2005 Analyses <sup>(2)</sup>	Comments
RAA 1 - 40s COMPL	LEX			
No interim gro	oundwater quality monitoring schedu	uled to be performe	ed in this RAA.	
RAA 2 - 30s COMPL	LEX			
RF-02	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ	
RF-16	GW-3 Perimeter (Downgradient)	Annual (1)	Cyanide	Total and Physiologically Available Cyanide analyses were performed.
RAA 3 - 20s COMPL	LEX			
No interim gro	oundwater quality monitoring schedu	uled to be performe	ed in this RAA.	
RAA 4 - EAST STRE	EET AREA 2-SOUTH			
GMA1-13	GW-3 General/Source Area Sentinel	Annual (1)	РСВ	
E2SC-23	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ	
E2SC-24	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ	
ES2-02A	GW-3 Perimeter (Downgradient)	Annual (1)	Cyanide	Total and Physiologically Available Cyanide analyses were performed.
ESA2S-52	GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	Cyanide	Total and Physiologically Available Cyanide analyses were performed.
HR-G1-MW-3	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	Cyanide	Total and Physiologically Available Cyanide analyses were performed.
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	РСВ	

# TABLE 1 FALL 2005 GROUNDWATER QUALITY MONITORING PROGRAM

# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Well Usage	Sampling Schedule	Fall 2005 Analyses <sup>(2)</sup>	Comments
RAA 5 - EAST STR	EET AREA 2-NORTH			
ES1-05	GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
ES1-27R	GW-3 General/ Source Area Sentinel	Annual (1)	PCB	
RAA 6 - EAST STR	EET AREA 1-NORTH			
ESA1N-52	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	PCB	
RAA 12 - LYMAN S	TREET AREA			
LS-29	GW-3 General/Source Area Sentinel	Annual (1)	РСВ	
LSSC-08S	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ	
LSSC-16S	GW-2 Sentinel	Annual (1)	VOC (+5 SVOC)	
LSSC-18	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ	
MW-4R	GW-3 Perimeter (Downgradient)	Annual (1)	VOC/PCB	
RAA 13 - NEWELL	STREET AREA II			
N2SC-07S	GW-3 Perimeter (Downgradient)	Annual (1)	VOC (+5 SVOC)/ PCB	VOC sample also analyzed for 5 SVOCs due to laboratory error
NS-17	GW-3 Perimeter (Downgradient)	Annual (1)	VOC (+5 SVOC)	VOC sample also analyzed for 5 SVOCs due to laboratory error
RAA 14 - NEWELL	STREET AREA I			
No interim gre	oundwater quality monitoring schedu	uled to be performe	ed in this RAA.	

# TABLE 1 FALL 2005 GROUNDWATER QUALITY MONITORING PROGRAM

# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number	Monitoring Well Usage	Sampling Schedule	Fall 2005 Analyses <sup>(2)</sup>	Comments
RAA 18 - EAST STF	REET AREA 1 SOUTH			
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	VOC (+5 SVOC)/ PCB/Cyanide	Total and Physiologically Available Cyanide analyses were performed.
139R	GW-2 Sentinel/ GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	PCB	
GMA1-6	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	VOC(+5 SVOC)/ PCB	
GMA1-18	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	PCB	

#### NOTES:

- 1. The wells scheduled for annual groundwater quality sampling will be 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 will alternate 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 were performed on filtered samples only.

# TABLE 2 MONITORING WELL CONSTRUCTION

# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

				Ground	Measuring	Depth to	_	Top of	Base of
			Well	Surface	Point	Top of	Screen	Screen	Screen
Well Number		oordinates	Diameter	Elevation	Elevation	Screen	Length	Elevation	Elevation
	Northing	Easting	(inches)	(feet AMSL)	(feet AMSL)	(feet BGS)	(feet)	(feet AMSL)	(feet AMSL)
RAA 2 - 30s Com	plex								
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	n							
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
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	1							
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	1							
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 FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

Well Number	Survey Co	oordinates	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 S	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	eet 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 fall 2005 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 - FALL 2005

# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

WELL NUMBER	ELL NUMBER TURBIDITY 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	5.0	15.80	6.86	1.781	-26.2	1.29
RF-16	2.0	16.85	7.05	0.810	266.0	5.50
RAA 4 - EAST STR	REET AREA 2-SOL	JTH				
E2SC-23	2.0	14.13	7.11	0.684	-55.5	0.97
E2SC-24	3.0	15.38	7.05	0.744	-95.2	0.81
ES2-02A	6.0	14.46	6.98	1.582	-147.9	0.49
ESA2S-52	5.0	14.91	6.90	2.928	-28.0	1.85
GMA1-13	10.0	15.26	6.74	0.945	86.6	2.48
HR-G1-MW-3	3.0	15.94	6.97	0.987	-44.4	0.51
HR-G3-MW-1	4.0	15.14	6.94	1.104	-114.6	1.67
RAA 5 - EAST STR	REET AREA 2-NOF	RTH				
ES1-05	4.0	14.45	6.62	1.432	91.1	1.25
ES1-27R	12.0	23.89	7.54	0.381	330.8	2.24
RAA 6 - EAST STR	REET AREA 1-NOF	RTH				
ESA1-52	10.0	17.37	7.10	0.586	-82.7	10.78
RAA 12 - LYMAN S	STREET AREA					
LS-29	4.0	14.16	7.48	0.572	-19.7	5.14
LSSC-08S	2.0	15.54	6.46	8.248	-98.7	0.59
LSSC-16S	3.0	15.53	7.02	1.466	35.4	2.05
LSSC-18	4.0	17.51	6.91	0.762	-74.3	0.86
MW-4R	1.0	16.10	6.73	1.848	-113.8	0.57
RAA 13 - NEWELL	STREET AREA II					
N2SC-07S	3.0	13.76	6.83	0.713	-132.5	0.40
NS-17	2.0	13.72	7.07	0.765	-102.2	0.85

# TABLE 3 FIELD PARAMETER MEASUREMENTS - FALL 2005

# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

WELL NUMBER	TURBIDITY (NTU)	TEMPERATURE PH CONDUCT		SPECIFIC CONDUCTIVITY (mS/cm)	OXIDATION- REDUCTION POTENTIAL (mV)	DISSOLVED OXYGEN (mg/L)
RAA 18 - EAST ST	REET AREA 1-SC	OUTH				
72R	4.0	23.12	6.54	5.290	334.2	1.28
139R	2.0	13.68	7.20	0.802	160.3	7.15
GMA1-6	6.0	16.10	6.82	1.702	-98.8	0.65
GMA1-18	4.0	14.98	7.30	0.490	102.7	7.72

#### Notes:

- 1. Measurements collected during fall 2005 groundwater sampling event performed between October 3 and 13, 2005.
- 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 FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

	Site ID		East St. Area 1 - S	Lyman Street Area	
	Sample ID:	Method 1 GW-2	72-R	GMA1-6	LSSC-16S
Parameter	Date Collected:	Standards	10/06/05	10/13/05	10/05/05
Volatile Organics					
Chloroform		0.4	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.0028 J
Dibromomethane		Not Listed	ND(0.0050) [ND(0.0050)]	0.0016 J	ND(0.0050)
Tetrachloroethene		3	ND(0.0020) [ND(0.0020)]	ND(0.0020)	0.0057
Trichloroethene		0.3	ND(0.0050) [ND(0.0050)]	ND(0.0050)	0.00051 J
Total VOCs		5	ND(0.20) [ND(0.20)]	0.0016 J	0.0090 J
Semivolatile Organ	ics				
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).
- 2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved May 29, 2004 and resubmitted June 19, 2004).
- 3. Only volatile and semivolatile analysis is presented for the MCP Method 1 GW-2 Standards Comparison.
- 4. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 5. Field duplicate sample results are presented in brackets.
- 6. Only volatile and semivolatile constituents detected in at least one sample are summarized.
- 7. -- 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.

## TABLE 5 COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

#### PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results are presented in parts per million, ppm)

	Site ID		30s Co	mplex	East St. Area 1 - North		East St. Are	a 1 - South	
Parameter	Sample ID: Date Collected:	Method 1 GW-3 Standards	RF-02 10/04/05	RF-16 10/04/05	ESAIN-52 10/04/05	72-R 10/06/05	139R 10/13/05	GMA1-6 10/13/05	GMA1-18 10/13/05
Volatile Organics									
Benzene		7	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA
Chlorobenzene		0.5	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA
Dibromomethane		Not Listed	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	0.0016 J	NA
Toluene		50	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA
Vinyl Chloride		40	NA	NA	NA	ND(0.0020) [ND(0.0020)]	NA	ND(0.0020)	NA
Xylenes (total)		50	NA	NA	NA	ND(0.010) [ND(0.010)]	NA	ND(0.010)	NA
PCBs-Filtered									
Aroclor-1254		Not Listed	0.00029	NA	0.000048 J	0.00012 [0.00010]	0.00039	0.000041 J	0.000042 J
Total PCBs		0.0003	0.00029	NA	0.000048 J	0.00012 [0.00010]	0.00039	0.000041 J	0.000042 J
Semivolatile Organic	s								
1,3-Dichlorobenzene		8	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA
1,4-Dichlorobenzene		8	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA
Inorganics-Filtered									
Cyanide		0.01	NA	ND(0.0100)	NA	0.00280 B [0.00250 B]	NA	NA	NA
Cyanide-MADEP (PAG	C)	Not Listed	NA	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA	NA	NA

Page 1 of 3

## TABLE 5 COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

Site ID East St. Area 2 - North East St. Area 2 - South Sample ID: Method 1 GW-3 E2SC-23 E2SC-24 ESA2S-52 ES1-05 ES1-27R ES2-02A GMA1-13 HR-G1-MW-3 Parameter **Date Collected:** Standards 10/10/05 10/06/05 10/06/05 10/06/05 10/06/05 10/05/05 10/07/05 10/10/05 Volatile Organics Benzene 7 NA NA NA NA NA NA NA NA Chlorobenzene 0.5 NA NA NA NA NA NA NA NA Dibromomethane Not Listed NA NA NA NA NA NA NA NA Toluene 50 NA NA NA NA NA NA NA NA Vinyl Chloride 40 NA NA NA NA NA NA NA NA Xylenes (total) 50 NA NA NA NA NA NA NA NA PCBs-Filtered Aroclor-1254 0.00044 Not Listed 0.00013 0.00016 0.00049 NA NA 0.000090 NA Total PCBs 0.0003 0.00013 0.00016 0.00044 0.00049 NA NA 0.000090 NA Semivolatile Organics 1,3-Dichlorobenzene 8 NA NA NA NA NA NA NA NA NA 1,4-Dichlorobenzene 8 NA NA NA NA NA NA NA Inorganics-Filtered Cyanide 0.01 NA NA NA NA 0.00520 B 0.00460 B NA 0.00420 B Cyanide-MADEP (PAC) Not Listed NA NA NA NA 0.00160 B ND(0.0100) NA ND(0.0100)

## TABLE 5 COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP METHOD 1 GW-3 STANDARDS

#### PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results are presented in parts per million, ppm)

Site	East St. Area 2 - South	Lyman Street Area				Newell St. Area II							
Sample I Parameter Date Collecte		HR-G3-MW-1 10/10/05	LS-29 10/04/05	LS-MW-4R 10/05/05	LSSC-08S 10/05/05	LSSC-18 10/07/05	N2SC-07S 10/03/05	NS-17 10/04/05					
Volatile Organics													
Benzene	7	NA	NA	0.044	NA	NA	ND(0.025)	0.0014 J					
Chlorobenzene	0.5	NA	NA	ND(0.025)	NA	NA	0.076	0.0094					
Dibromomethane	Not Listed	NA	NA	ND(0.025)	NA	NA	ND(0.025)	ND(0.0050)					
Toluene	50	NA	NA	0.028	NA	NA	ND(0.025)	ND(0.0050)					
Vinyl Chloride	40	NA	NA	ND(0.025)	NA	NA	0.38	0.0080					
Xylenes (total)	50	NA	NA	0.090	NA	NA	ND(0.075)	ND(0.010)					
PCBs-Filtered													
Aroclor-1254	Not Listed	0.00081	0.00019	0.000087	0.00035	0.00035	0.00026	NA					
Total PCBs	0.0003	0.00081	0.00019	0.000087	0.00035	0.00035	0.00026	NA					
Semivolatile Organics													
1,3-Dichlorobenzene	8	NA	NA	NA	NA	NA	ND(0.025)	0.0028 J					
1,4-Dichlorobenzene	8	NA	NA	NA	NA	NA	0.065	0.017					
Inorganics-Filtered													
Cyanide	0.01	NA	NA	NA	NA	NA	NA	NA					
Cyanide-MADEP (PAC)	Not Listed	NA	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 PCBs (filtered), volatiles, 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. Field duplicate sample results are presented in brackets.
- 6. Only those constituents detected in one or more samples are summarized.
- 7. Shading indicates that value exceeds GW-3 Standards.

#### 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 6 COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

#### PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results are presented in parts per million, ppm)

Site ID		30s Co	mplex	East St. Area 1 - North	East St. Area 1 - South						
Sample ID: Parameter Date Collected:		RF-02 10/04/05	RF-16 10/04/05	ESAIN-52 10/04/05	72-R 10/06/05	139R 10/13/05	GMA1-6 10/13/05	GMA1-18 10/13/05			
Volatile Organics											
Benzene	70	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA			
Chlorobenzene	10	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA			
Chloroform	100	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA			
Dibromomethane	Not Listed	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	0.0016 J	NA			
Tetrachloroethene	50	NA	NA	NA	ND(0.0020) [ND(0.0020)]	NA	ND(0.0020)	NA			
Toluene	100	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA			
Trichloroethene	100	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA			
Vinyl Chloride	100	NA	NA	NA	ND(0.0020) [ND(0.0020)]	NA	ND(0.0020)	NA			
Xylenes (total)	100	NA	NA	NA	ND(0.010) [ND(0.010)]	NA	ND(0.010)	NA			
PCBs-Filtered											
Aroclor-1254	Not Listed	0.00029	NA	0.000048 J	0.00012 [0.00010]	0.00039	0.000041 J	0.000042 J			
Total PCBs	0.005	0.00029	NA	0.000048 J	0.00012 [0.00010]	0.00039	0.000041 J	0.000042 J			
Semivolatile Organics			•				•				
1,3-Dichlorobenzene	100	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA			
1,4-Dichlorobenzene	100	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)	NA			
Inorganics-Filtered			•	•			•				
Cyanide	2	NA	ND(0.0100)	NA	0.00280 B [0.00250 B]	NA	NA	NA			
Cyanide-MADEP (PAC)	0	NA	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA	NA	NA			

## TABLE 6 COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

Site ID East St. Area 2 - North East St. Area 2 - South Sample ID: **UCL-GW** ES1-05 ES1-27R E2SC-23 E2SC-24 ES2-02A ESA2S-52 GMA1-13 HR-G1-MW-3 **Date Collected: Standards** 10/10/05 10/06/05 10/06/05 10/06/05 10/06/05 10/05/05 10/07/05 10/10/05 Parameter Volatile Organics Benzene 70 NA NA NA NA NA NA NA NA Chlorobenzene 10 NA NA NA NA NA NA NA NA Chloroform 100 NA NA NA NA NA NA NA NA NA Dibromomethane Not Listed NA NA NA NA NA NA NA Tetrachloroethene 50 NA NA NA NA NA NA NA NA Toluene 100 NA 100 NA NA NA NA Trichloroethene Vinyl Chloride 100 NA NA NA NA NA NA NA NA Xylenes (total) 100 NA NA NA NA NA NA NA NA PCBs-Filtered Aroclor-1254 Not Listed 0.00013 0.00016 0.00044 0.00049 NA 0.000090 NA NA Total PCBs 0.00044 0.00049 0.005 0.00013 0.00016 NA NA 0.000090 NA Semivolatile Organics 1,3-Dichlorobenzene 100 NA NA NA NA NA NA NA NA 1,4-Dichlorobenzene 100 NA NA NA NA NA NA NA NA

NA

NA

NA

NA

0.00520 B

0.00160 B

0.00460 B

ND(0.0100)

NA

NA

0.00420 B

ND(0.0100)

NA

NA

2

0

NA

NA

Inorganics-Filtered

Cyanide-MADEP (PAC)

Cyanide

### TABLE 6 COMPARISON OF GROUNDWATER ANALYTICAL RESULTS TO MCP UCLs FOR GROUNDWATER

#### PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

(Results are presented in parts per million, ppm)

Site ID		East St. Area 2 - South		L	yman Street Area			Newell S	t. Area II
Sample ID: Parameter Date Collected:	UCL-GW Standards	HR-G3-MW-1 10/10/05	LS-29 10/04/05	LS-MW-4R 10/05/05	LSSC-08S 10/05/05	LSSC-16S 10/05/05	LSSC-18 10/07/05	N2SC-07S 10/03/05	NS-17 10/04/05
Volatile Organics									
Benzene	70	NA	NA	0.044	NA	ND(0.0050)	NA	ND(0.025)	0.0014 J
Chlorobenzene	10	NA	NA	ND(0.025)	NA	ND(0.0050)	NA	0.076	0.0094
Chloroform	100	NA	NA	ND(0.025)	NA	0.0028 J	NA	ND(0.025)	ND(0.0050)
Dibromomethane	Not Listed	NA	NA	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Tetrachloroethene	50	NA	NA	ND(0.025)	NA	0.0057	NA	ND(0.025) J	ND(0.0020) J
Toluene	100	NA	NA	0.028	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Trichloroethene	100	NA	NA	ND(0.025)	NA	0.00051 J	NA	ND(0.025)	ND(0.0050)
Vinyl Chloride	100	NA	NA	ND(0.025)	NA	ND(0.0020)	NA	0.38	0.0080
Xylenes (total)	100	NA	NA	0.090	NA	ND(0.010)	NA	ND(0.075)	ND(0.010)
PCBs-Filtered									
Aroclor-1254	Not Listed	0.00081	0.00019	0.000087	0.00035	NA	0.00035	0.00026	NA
Total PCBs	0.005	0.00081	0.00019	0.000087	0.00035	NA	0.00035	0.00026	NA
Semivolatile Organics									
1,3-Dichlorobenzene	100	NA	NA	NA	NA	ND(0.0050)	NA	ND(0.025)	0.0028 J
1,4-Dichlorobenzene	100	NA	NA	NA	NA	ND(0.0050)	NA	0.065	0.017
Inorganics-Filtered									
Cyanide	2	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide-MADEP (PAC)	0	NA	NA	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 PCBs (filtered), volatiles, 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.

#### 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 SPRING 2006 INTERIM GROUNDWATER QUALITY MONITORING ACTIVITIES

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2006 Analyses <sup>(2)</sup>	Comments
RAA 1 - 40s COMPI	LEX			
No interim gro	oundwater quality monitoring schedu	ıled to be performe	d in this RAA.	
RAA 2 - 30s COMPI	LEX			
RF-02	GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
RF-16	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols proposed to be utilized
RAA 3 - 20s COMPI	LEX			
No interim gro	oundwater quality monitoring schedu	ıled to be performe	d in this RAA.	
RAA 4 - EAST STRI	EET AREA 2-SOUTH			
GMA1-13	GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	PCB	
E2SC-23	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	PCB	
E2SC-24	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup> / Spring 2006	PCB / Cyanide	PCB analysis to be conducted on annual basis per approved program / Cyanide analysis utilizing MDEP PAC (Physiologically Available Cyanide) Protocols proposed for spring 2006 only
ES2-02A	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols proposed to be utilized
ESA2S-52	GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols proposed to be utilized
ESA2S-64	GW-3 Perimeter (Downgradient)	Spring 2006	Cyanide	Cyanide analysis utilizing MDEP PAC (Physiologically Available Cyanide) Protocols proposed for spring 2006 only
HR-G1-MW-3	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	Cyanide	MDEP PAC (Physiologically Available Cyanide) Protocols proposed to be utilized
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	PCB	

## TABLE 7 SPRING 2006 INTERIM GROUNDWATER QUALITY MONITORING ACTIVITIES

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2006 Analyses <sup>(2)</sup>	Comments				
RAA 5 - EAST STRI	EET 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 <sup>(1)</sup>	PCB					
RAA 12 - LYMAN S	RAA 12 - LYMAN STREET 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	oundwater quality monitoring schedu	led to be perform	ed in this RAA.					

## TABLE 7 SPRING 2006 INTERIM GROUNDWATER QUALITY MONITORING ACTIVITIES

# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

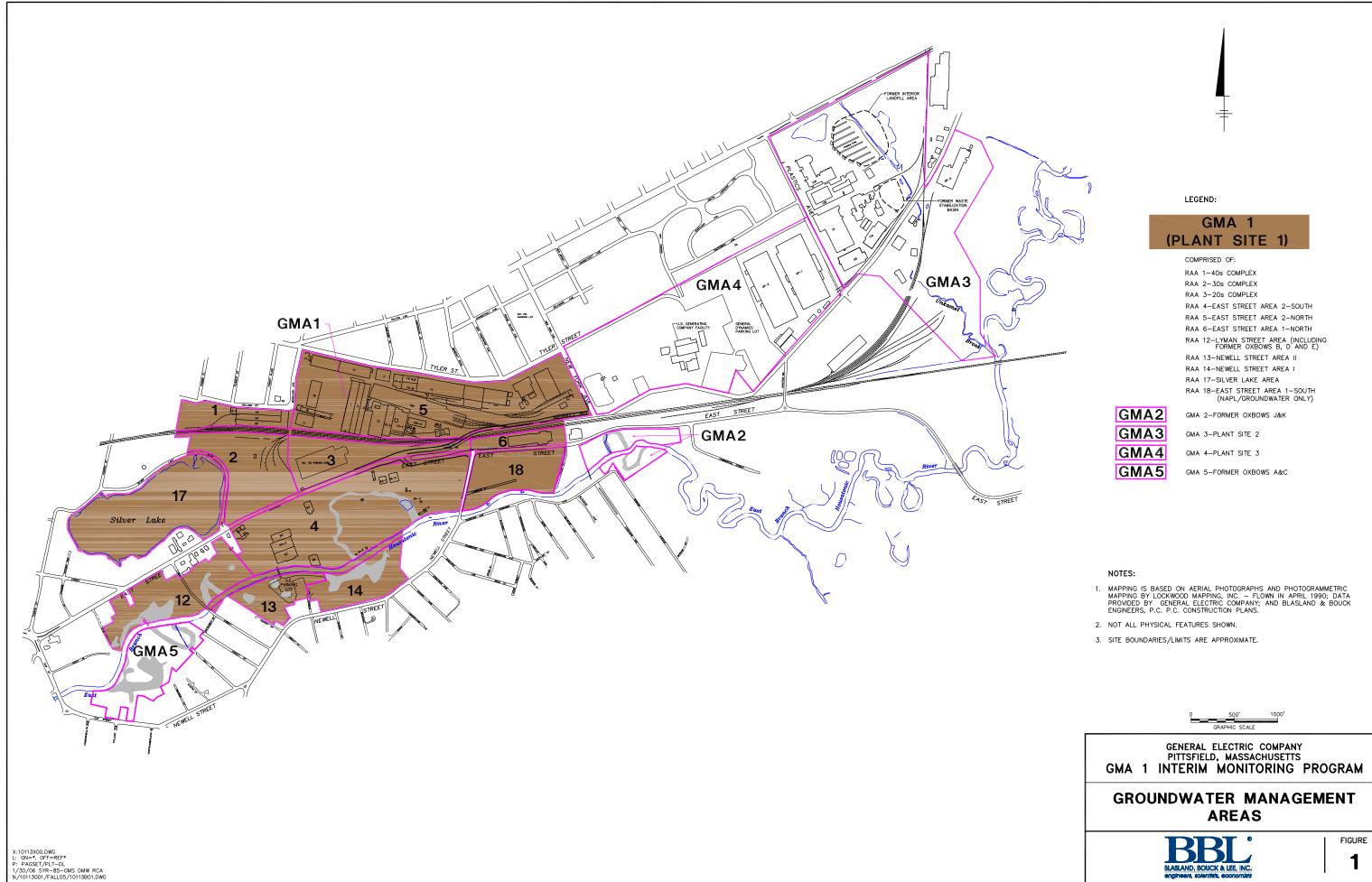
Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2006 Analyses <sup>(2)</sup>	Comments
RAA 18 - EAST STE	REET AREA 1 SOUTH			
139R	GW-2 Sentinel/ GW-3 Perimeter (Downgradient)	Annual <sup>(1)</sup>	PCB	
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual <sup>(1)</sup>	VOC (+5 SVOC)/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

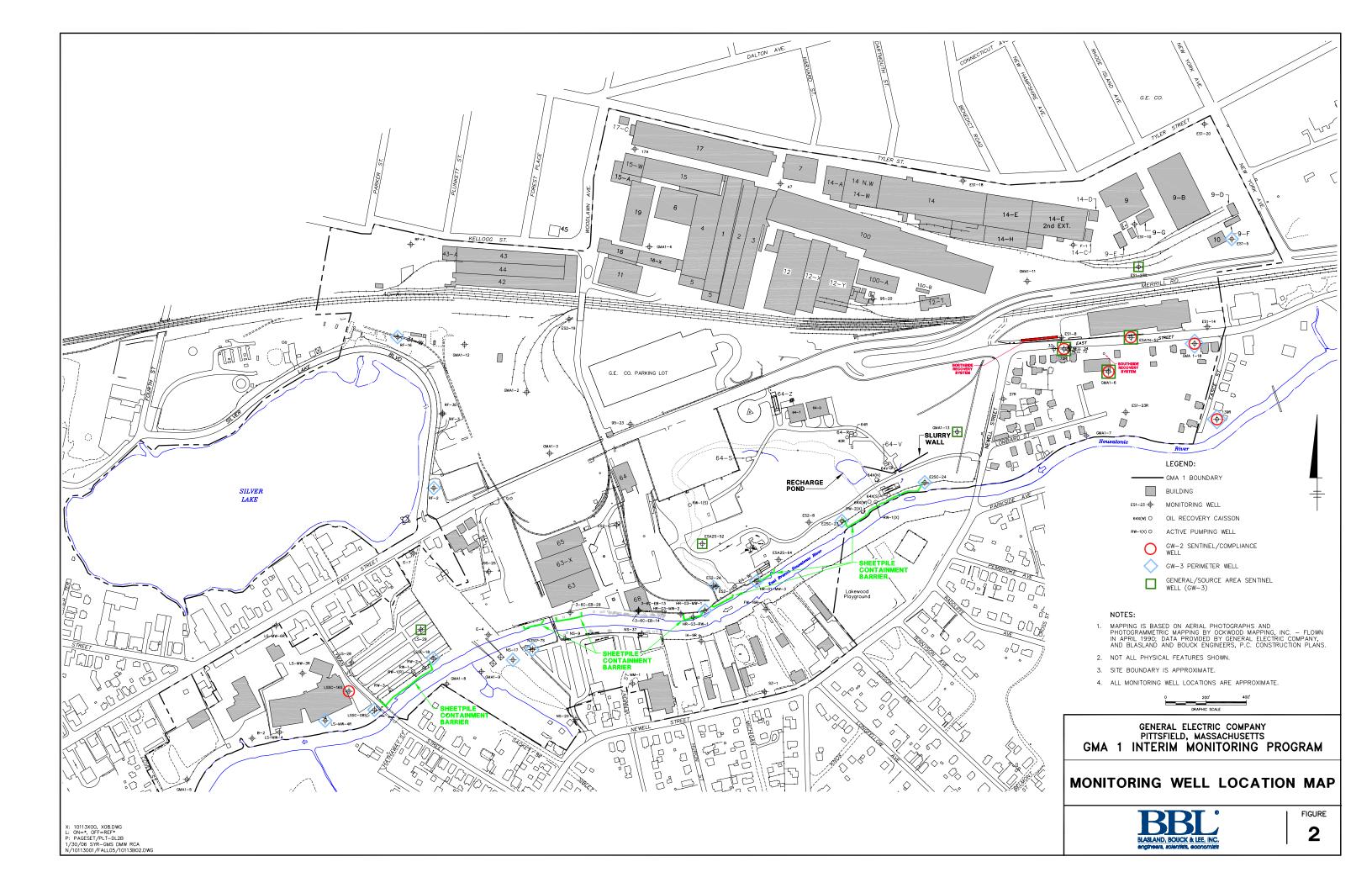
#### NOTES:

- 1. The wells scheduled for annual groundwater quality sampling will be 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 will alternate 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 will be performed on filtered samples only.

## **Figures**







## **Appendices**



## Appendix A

## **Groundwater Analytical Results**



	Site ID	30s Co	mplex	East St. Area 1 - North	East St. Area 1 - So	uth
	Sample ID:	RF-02	RF-16	ESAIN-52	72-R	139R
Parameter	Date Collected:	10/04/05	10/04/05	10/04/05	10/06/05	10/13/05
Volatile Organic						
1,1,1,2-Tetrachlo		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,1,1-Trichloroeth		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,1,2,2-Tetrachlo		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-Dichloroethar		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,1-Dichloroether		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-Dibromoetha		NA	NA	NA	ND(0.0010) [ND(0.0010)]	NA
1,2-Dichloroethar		NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,2-Dichloropropa	ane	NA	NA	NA	ND(0.0050) [ND(0.0050)]	NA
1,4-Dioxane		NA	NA	NA	ND(0.20) [ND(0.20)]	NA
2-Butanone		NA	NA	NA	ND(0.010) [ND(0.010)]	NA
2-Chloro-1,3-buta		NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
2-Chloroethylviny	vietner	NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
2-Hexanone		NA	NA	NA	ND(0.010) [ND(0.010)]	NA
3-Chloropropene		NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
4-Methyl-2-penta	inone	NA NA	NA	NA NA	ND(0.010) [ND(0.010)]	NA NA
Acetone		NA NA	NA	NA NA	ND(0.010) [ND(0.010)]	NA NA
Acetonitrile		NA NA	NA	NA NA	ND(0.10) [ND(0.10)]	NA NA
Acrolein		NA NA	NA	NA NA	ND(0.10) [ND(0.10)]	NA NA
Acrylonitrile		NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Benzene	. d	NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA
Bromodichlorome	etnane	NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Bromoform		NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Bromomethane		NA NA	NA	NA NA	ND(0.0020) [ND(0.0020)]	NA NA
Carbon Disulfide		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Carbon Tetrachlo	oride	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 NA
Chloromethane cis-1,3-Dichlorop	ronono	NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)] ND(0.0050) [ND(0.0050)]	NA NA
Dibromochlorome		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Dibromomethane		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Dichlorodifluorom		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Ethyl Methacryla		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Ethylbenzene	le	NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	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(0.10) [ND(0.10)]	NA NA
Methacrylonitrile		NA NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Methyl Methacryl	lato	NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Methylene Chlori		NA NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Propionitrile	uc	NA NA	NA	NA NA	ND(0.030) [ND(0.030)]	NA NA
Styrene		NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA
Tetrachloroethen	ie.	NA	NA	NA NA	ND(0.0020) [ND(0.0020)]	NA
Toluene	-	NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
trans-1,2-Dichlore	oethene	NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
trans-1,3-Dichlore		NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
trans-1,4-Dichlore		NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Trichloroethene		NA	NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Trichlorofluorome	ethane	NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Vinyl Acetate		NA	NA NA	NA NA	ND(0.0050) [ND(0.0050)]	NA NA
Vinyl Chloride		NA NA	NA	NA NA	ND(0.0020) [ND(0.0020)]	NA NA
Xylenes (total)		NA NA	NA	NA NA	ND(0.010) [ND(0.010)]	NA NA
Total VOCs		NA NA	NA	NA NA	ND(0.20) [ND(0.20)]	NA NA
. 3.4. 7 3 0 0	L	14/1	14/1	14/1	112(0.20) [112(0.20)]	14/1

	Site ID	30s Com	nplex	East St. Area 1 - North	East St. Area 1 - So	outh
	ample ID:	RF-02	RF-16	ESAIN-52	72-R	139R
Parameter Date C	ollected:	10/04/05	10/04/05	10/04/05	10/06/05	10/13/05
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		0.00029	NA	0.000048 J	0.00012 [0.00010]	0.00039
Aroclor-1260		ND(0.000065)	NA	ND(0.000065)	ND(0.000065) [ND(0.000065)]	ND(0.000065)
Total PCBs		0.00029	NA	0.000048 J	0.00012 [0.00010]	0.00039
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		NA	ND(0.0100)	NA	0.00280 B [0.00250 B]	NA
Cyanide-MADEP (PAC)		NA	ND(0.0100)	NA	ND(0.0100) [ND(0.0100)]	NA

	Site ID	East St. Area	a 1 - South	East St. Are	ea 2 - North	East St. Are	a 2 - South
	Sample ID:	GMA1-6	GMA1-18	ES1-05	ES1-27R	E2SC-23	E2SC-24
Parameter	Date Collected:	10/13/05	10/13/05	10/10/05	10/06/05	10/06/05	10/06/05
Volatile Organic				1		1	1
1,1,1,2-Tetrachlo		ND(0.0050) J	NA	NA	NA	NA	NA
1,1,1-Trichloroeth		ND(0.0050)	NA	NA	NA NA	NA	NA
1,1,2,2-Tetrachlo		ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA
1,1,2-Trichloroeth		ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
1,1-Dichloroethar		ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
1,1-Dichloroether		ND(0.0010) ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
1,2-Dibromo-3-ch		ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
1,2-Dibromoethai		ND(0.0030)	NA NA	NA NA	NA NA	NA NA	NA NA
1,2-Dibromoethar		ND(0.0010)	NA NA	NA NA	NA NA	NA NA	NA NA
1,2-Dichloropropa		ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
1.4-Dioxane	arie	ND(0.0030)	NA NA	NA NA	NA NA	NA NA	NA NA
2-Butanone		ND(0.20) 3 ND(0.010)	NA NA	NA NA	NA NA	NA NA	NA NA
2-Chloro-1,3-buta	adiene	ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
2-Chloroethylviny		ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
2-Hexanone	100101	ND(0.000)	NA NA	NA NA	NA NA	NA NA	NA NA
3-Chloropropene		ND(0.0050)	NA NA	NA NA	NA NA	NA NA	NA NA
4-Methyl-2-penta		ND(0.0030)	NA NA	NA NA	NA NA	NA NA	NA NA
Acetone		ND(0.010)	NA NA	NA NA	NA NA	NA NA	NA NA
Acetonitrile		ND(0.10)	NA NA	NA NA	NA NA	NA NA	NA NA
Acrolein		ND(0.10)	NA	NA NA	NA	NA NA	NA
Acrylonitrile		ND(0.0050)	NA	NA	NA	NA	NA
Benzene		ND(0.0050)	NA	NA	NA	NA	NA NA
Bromodichlorome	ethane	ND(0.0050)	NA	NA	NA	NA	NA
Bromoform		ND(0.0050)	NA	NA	NA	NA	NA
Bromomethane		ND(0.0020)	NA	NA	NA	NA	NA
Carbon Disulfide		ND(0.0050)	NA	NA	NA	NA	NA
Carbon Tetrachlo	oride	ND(0.0050)	NA	NA	NA	NA	NA
Chlorobenzene		ND(0.0050)	NA	NA	NA	NA	NA
Chloroethane		ND(0.0050)	NA	NA	NA	NA	NA
Chloroform		ND(0.0050)	NA	NA	NA	NA	NA
Chloromethane		ND(0.0050)	NA	NA	NA	NA	NA
cis-1,3-Dichlorop	ropene	ND(0.0050)	NA	NA	NA	NA	NA
Dibromochlorome	ethane	ND(0.0050)	NA	NA	NA	NA	NA
Dibromomethane		0.0016 J	NA	NA	NA	NA	NA
Dichlorodifluorom	nethane	ND(0.0050)	NA	NA	NA	NA	NA
Ethyl Methacrylat	te	ND(0.0050)	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 Methacryl		ND(0.0050)	NA	NA	NA	NA	NA
Methylene Chlori	de	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
Tetrachloroethen	е	ND(0.0020)	NA	NA	NA	NA	NA
Toluene		ND(0.0050)	NA	NA	NA NA	NA	NA
trans-1,2-Dichloro		ND(0.0050)	NA	NA	NA NA	NA	NA
trans-1,3-Dichlore		ND(0.0050)	NA NA	NA	NA NA	NA NA	NA
trans-1,4-Dichlor	o-2-butene	ND(0.0050)	NA	NA	NA NA	NA	NA
Trichloroethene		ND(0.0050)	NA	NA	NA NA	NA	NA
Trichlorofluorome	ethane	ND(0.0050)	NA	NA	NA NA	NA	NA
Vinyl Acetate		ND(0.0050)	NA	NA	NA NA	NA	NA
Vinyl Chloride		ND(0.0020)	NA NA	NA NA	NA NA	NA NA	NA
Xylenes (total)		ND(0.010)	NA NA	NA NA	NA NA	NA NA	NA NA
Total VOCs		0.0016 J	NA	NA	NA	NA	NA

Site ID	East St. Are	a 1 - South	East St. Are	a 2 - North	East St. Are	a 2 - South
Sample ID:	GMA1-6	GMA1-18	ES1-05	ES1-27R	E2SC-23	E2SC-24
Parameter Date Collected:	10/13/05	10/13/05	10/10/05	10/06/05	10/06/05	10/06/05
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	0.000041 J	0.000042 J	0.00013	0.00016	0.00044	0.00049
Aroclor-1260	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	0.000041 J	0.000042 J	0.00013	0.00016	0.00044	0.00049
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) J	NA	NA	NA	NA	NA
Inorganics-Filtered						
Cyanide	NA	NA	NA	NA	NA	NA
Cyanide-MADEP (PAC)	NA	NA	NA	NA	NA	NA

	Site ID			East St. Area 2 -	South		Lyman Street Area
	Sample ID:	ES2-02A	ESA2S-52	GMA1-13	HR-G1-MW-3	HR-G3-MW-1	LS-29
Parameter	Date Collected:	10/06/05	10/05/05	10/07/05	10/10/05	10/10/05	10/04/05
Volatile Organic	cs						
1,1,1,2-Tetrachlo	proethane	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroetl		NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachlo	proethane	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroetl	hane	NA	NA	NA	NA	NA	NA
1,1-Dichloroetha		NA	NA	NA	NA	NA	NA
1,1-Dichloroethe		NA	NA	NA	NA	NA	NA
1,2,3-Trichloropre		NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-ch		NA	NA	NA	NA	NA	NA
1,2-Dibromoetha		NA	NA	NA	NA	NA	NA
1,2-Dichloroetha		NA	NA	NA	NA	NA	NA
1,2-Dichloroprop	ane	NA	NA	NA	NA	NA	NA
1,4-Dioxane		NA	NA	NA	NA	NA	NA
2-Butanone		NA	NA	NA	NA	NA	NA
2-Chloro-1,3-but		NA	NA	NA	NA	NA	NA
2-Chloroethylviny	ylether	NA	NA	NA	NA	NA	NA
2-Hexanone		NA	NA	NA	NA	NA	NA
3-Chloropropene		NA	NA	NA	NA	NA	NA
4-Methyl-2-penta	anone	NA	NA	NA	NA	NA	NA
Acetone		NA	NA	NA	NA	NA	NA
Acetonitrile		NA	NA	NA	NA	NA	NA
Acrolein		NA	NA	NA	NA	NA	NA
Acrylonitrile		NA	NA	NA	NA	NA	NA
Benzene		NA	NA	NA	NA	NA	NA
Bromodichlorome	ethane	NA	NA	NA	NA	NA	NA
Bromoform		NA	NA	NA	NA	NA	NA
Bromomethane		NA	NA	NA	NA	NA	NA
Carbon Disulfide		NA	NA	NA	NA	NA	NA
Carbon Tetrachlo	oride	NA	NA	NA	NA	NA	NA
Chlorobenzene		NA	NA	NA	NA	NA	NA
Chloroethane		NA	NA	NA	NA	NA	NA
Chloroform		NA NA	NA	NA	NA	NA	NA
Chloromethane		NA NA	NA NA	NA NA	NA NA	NA NA	NA
cis-1,3-Dichlorop	_	NA	NA	NA	NA	NA	NA
Dibromochlorom		NA	NA	NA	NA	NA	NA
Dibromomethane		NA NA	NA	NA	NA NA	NA NA	NA
Dichlorodifluoron		NA NA	NA	NA	NA NA	NA NA	NA NA
Ethyl Methacryla	te	NA NA	NA NA	NA NA	NA NA	NA NA	NA
Ethylbenzene		NA NA	NA	NA NA	NA NA	NA NA	NA NA
Iodomethane		NA NA	NA	NA NA	NA NA	NA NA	NA NA
Isobutanol Methacrylonitrile		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Methyl Methacry	lata						
		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Methylene Chlori Propionitrile	ide	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
-		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Styrene Tetrachloroethen	10	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	ie			NA NA			
Toluene	oothono	NA NA	NA NA		NA NA	NA NA	NA NA
trans-1,2-Dichlor		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
trans-1,3-Dichlor trans-1,4-Dichlor			NA NA				
Trichloroethene	U-Z-DUICHE	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Trichlorofluorome	othono	NA NA	NA NA	NA NA	NA NA		NA NA
	euidile					NA NA	
Vinyl Chlorida		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Vinyl Chloride		NA	NA NA	NA	NA NA	NA NA	NA NA
Xylenes (total) Total VOCs		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
TOTAL VOCS		NA	NA	NA	NA	NA	NA

Site ID			East St. Area 2 - S	outh		Lyman Street Area
Sample ID: Parameter Date Collected:	ES2-02A 10/06/05	ESA2S-52 10/05/05	GMA1-13 10/07/05	HR-G1-MW-3 10/10/05	HR-G3-MW-1 10/10/05	LS-29 10/04/05
PCBs-Filtered						
Aroclor-1016	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1221	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1232	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1242	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1248	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Aroclor-1254	NA	NA	0.000090	NA	0.00081	0.00019
Aroclor-1260	NA	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)
Total PCBs	NA	NA	0.000090	NA	0.00081	0.00019
Semivolatile Organics						
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA	NA
Inorganics-Filtered						
Cyanide	0.00520 B	0.00460 B	NA	0.00420 B	NA	NA
Cyanide-MADEP (PAC)	0.00160 B	ND(0.0100)	NA	ND(0.0100)	NA	NA

Site ID		Lvman S	treet Area		Newell S	t. Area II
Sample ID:	LS-MW-4R	LSSC-08S	LSSC-16S	LSSC-18	N2SC-07S	NS-17
Parameter Date Collected:	10/05/05	10/05/05	10/05/05	10/07/05	10/03/05	10/04/05
Volatile Organics						
1,1,1,2-Tetrachloroethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,1,1-Trichloroethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,1,2,2-Tetrachloroethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,1,2-Trichloroethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,1-Dichloroethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,1-Dichloroethene	ND(0.025)	NA	ND(0.0010)	NA	ND(0.025)	ND(0.0010)
1,2,3-Trichloropropane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,2-Dibromo-3-chloropropane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,2-Dibromoethane	ND(0.025)	NA	ND(0.0010)	NA	ND(0.025)	ND(0.0010)
1,2-Dichloroethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,2-Dichloropropane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
1,4-Dioxane	ND(0.50) J	NA	ND(0.20) J	NA	ND(0.50) J	ND(0.20) J
2-Butanone	ND(0.025)	NA	ND(0.010)	NA	ND(0.025) J	ND(0.010) J
2-Chloro-1,3-butadiene	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
2-Chloroethylvinylether	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
2-Hexanone	ND(0.025)	NA	ND(0.010)	NA	ND(0.025)	ND(0.010)
3-Chloropropene	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
4-Methyl-2-pentanone	ND(0.025)	NA	ND(0.010)	NA	ND(0.025)	ND(0.010)
Acetone	ND(0.025)	NA	ND(0.010)	NA	ND(0.025)	ND(0.010)
Acetonitrile	ND(0.25)	NA	ND(0.10)	NA	ND(0.25)	ND(0.10)
Acrolein	ND(0.20)	NA	ND(0.10)	NA	ND(0.20)	ND(0.10)
Acrylonitrile	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025) J	ND(0.0050) J
Benzene	0.044	NA	ND(0.0050)	NA	ND(0.025)	0.0014 J
Bromodichloromethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Bromoform	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Bromomethane	ND(0.025) J	NA	ND(0.0020) J	NA	ND(0.025) J	ND(0.0020) J
Carbon Disulfide	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025) J	ND(0.0050) J
Carbon Tetrachloride	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Chlorobenzene	ND(0.025)	NA	ND(0.0050)	NA	0.076	0.0094
Chloroethane	ND(0.025) J	NA	ND(0.0050) J	NA	ND(0.025) J	ND(0.0050) J
Chloroform	ND(0.025)	NA	0.0028 J	NA	ND(0.025)	ND(0.0050)
Chloromethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
cis-1,3-Dichloropropene	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Dibromochloromethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Dibromomethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Dichlorodifluoromethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Ethyl Methacrylate	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Ethylbenzene	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Iodomethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Isobutanol	ND(0.25)	NA	ND(0.10)	NA	ND(0.25)	ND(0.10)
Methacrylonitrile	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Methyl Methacrylate	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Methylene Chloride	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Propionitrile	ND(0.025)	NA	ND(0.010)	NA	ND(0.025) J	ND(0.010) J
Styrene	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Tetrachloroethene	ND(0.025)	NA	0.0057	NA	ND(0.025) J	ND(0.0020) J
Toluene	0.028	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
trans-1,2-Dichloroethene	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
trans-1,3-Dichloropropene	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
trans-1,4-Dichloro-2-butene	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050)
Trichloroethene	ND(0.025)	NA	0.00051 J	NA	ND(0.025)	ND(0.0050)
Trichlorofluoromethane	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025) J	ND(0.0050) J
Vinyl Acetate	ND(0.025)	NA	ND(0.0050)	NA	ND(0.025) J	ND(0.0050) J
Vinyl Chloride	ND(0.025)	NA	ND(0.0020)	NA	0.38	0.0080
Xylenes (total)	0.090	NA	ND(0.010)	NA	ND(0.075)	ND(0.010)
Total VOCs	0.16	NA	0.0090 J	NA	0.46	0.019 J
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# PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

	Site ID		Lyman St	reet Area		Newell S	t. Area II
Parameter	Sample ID: Date Collected:	LS-MW-4R 10/05/05	LSSC-08S 10/05/05	LSSC-16S 10/05/05	LSSC-18 10/07/05	N2SC-07S 10/03/05	NS-17 10/04/05
PCBs-Filtered							
Aroclor-1016		ND(0.000065)	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)	NA
Aroclor-1221		ND(0.000065)	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)	NA
Aroclor-1232		ND(0.000065)	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)	NA
Aroclor-1242		ND(0.000065)	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)	NA
Aroclor-1248		ND(0.000065)	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)	NA
Aroclor-1254		0.000087	0.00035	NA	0.00035	0.00026	NA
Aroclor-1260		ND(0.000065)	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)	NA
Total PCBs		0.000087	0.00035	NA	0.00035	0.00026	NA
Semivolatile Org	anics						
1,2,4-Trichlorober	nzene	NA	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050
1,2-Dichlorobenze	ene	NA	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050
1,3-Dichlorobenze	ene	NA	NA	ND(0.0050)	NA	ND(0.025)	0.0028 J
1,4-Dichlorobenze	ene	NA	NA	ND(0.0050)	NA	0.065	0.017
Naphthalene		NA	NA	ND(0.0050)	NA	ND(0.025)	ND(0.0050
Inorganics-Filter	ed						
Cyanide		NA	NA	NA	NA	NA	NA
Cyanide-MADEP	(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 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. 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**



				Samplin	g Method				
Well ID	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Comments
RAA 2 - 30s COM	IPLEX								
GMA1-2	NS	NS	NS	PP	NS	NS	NS	NS	Fall 2005: Well removed from monitoring progam. Fall 2004: Well dry - no sample collected. Spring 2004: Well dry - no sample collected. Fall 2003: Well dry - no sample collected. Spring 2003: Well purged dry. Sample collected after recharge. Insufficient water to collect field parameter data (except for turbidity). Fall 2002: Well dry - no sample collected. Spring 2002: Well dry - no sample collected. Fall 2001: Well dry - no sample collected.
RF-02	SP	PP	PP	BP	NS	PP	NS	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	BP	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004.
RAA 4 - EAST ST	REET ARE	2-SOUT	<u>і — і</u> Н		<u> </u>				
95-09/GMA1-13	ВА	PP/BA	NS	PP	BP	BP	NS	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/BA	PP/BA	PP	BP	NS	BP	NS	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.  Fall 2001: Submersible pump malfunction, change to peristaltic pump. Well purged dry,
E2SC-24	SP	PP/BA	PP	BP	NS	BP	NS	BP	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 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	BP	NS	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.

				Samplin	g Method				
Well ID	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Comments
ESA2S-52	PP	PP/BA	PP	PP	NS	PP	NS	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.
									Fall 2001 - Spring 2002: Well sampled as supplemental monitoring point.
HR-G1-MW-3	SP	PP	PP	BP	BP	BP	NS	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.
HR-G3-MW-1	SP	PP	PP	BP	BP	BP	NS	BP	Fall 2001: Pump malfunction during sample collection, was briefly shut down.
RAA 5 - EAST S	TDEET ADE	A 2 NODT							
ES1-05	BA	BP	n SP	BP	BP	BP	NS	BP	Spring 2003: Portion of well casing broken.
ES1-05	DA	DP	SP	DP	DP	DP	INO	DP	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.
									Fall 2003: No sample collected - additional sampling under interim monitoring program to
ES1-27R	SP	BP	PP	BP	NS	BP	NS	BP	resume in spring 2004.
									Fall 2002: Dissolved oxygen meter malfunction.
GMA1-4	NS	NS	NS	PP	PP	PP	PP	NS	Fall 2005: Well removed from monitoring progam.
0.0.0	1,10				'			110	Spring 2003: Well cover missing.
									Fall 2002: Well dry - no sample collected.
									Spring 2002: Well dry - no sample collected.
									Fall 2001: Well dry - no sample collected.
RAA 6 - EAST S	TREET ARE	A 1-NORT	H		<u> </u>		•	1	'
ES1-08	PP	PP	PP	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.

	Sampling Method								
Well ID	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Comments
ES1-14	PP	PP	PP	PP	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	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							T	r = =	
LS-29	SP	BP	NS	PP	PP	PP	NS	PP	Spring 2003: Pump type changed from bladder pump to peristaltic pump. Fall 2002: Well not sampled; Casing broken.
LSSC-08S	PP	BP	PP	BP	NS	BP	NS	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	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	ВР	NS	BP	NS	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	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.

## PLANT SITE 1 GROUNDWATER MANAGEMENT AREA GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY-PITTSFIELD, MASSACHUSETTS

		Sampling Method							
Well ID	Fall 2001	Spring 2002	Fall 2002	Spring 2003	Fall 2003	Spring 2004	Fall 2004	Fall 2005	Comments
RAA 13 - NEWELI	STREET	AREA II							
N2SC-07S	SP	BP	PP	BP	BP	BP	NS	BP	Spring 2002: Dissolved oxygen meter malfunction. Fall 2001: Dissolved oxygen meter malfunction.
NS-17	SP	PP/BA	PP	PP	PP	PP	NS	PP	
RAA 18 - EAST S	I TREET ARE	EA 1 SOU	<u>I                                    </u>						<u> </u>
ESA1S-33	NS	NS	NS	PP	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	Fall 2004: Well added to interim monitoring program in place of well ESA1S-33.
ESA1S-139/139R	PP	PP	BP/BA	PP	NS	NS	PP	PP	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	Fall 2003: No sample collected - additional sampling under interim monitoring program to resume in spring 2004.
GMA1-18	NS	NS	NS	NS	NS	NS	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

Well No.	RF-0	2		_ s	ite/GMA Name	305	landes		
Key No.	<del></del>			Sampi	ling Personnel	may	JIM		
PID Bac	kground (ppm)			_	Date	10/4/	<u> </u>		
Well He	edspace (ppm)			_	Weather	Hea-	Swany	HOT	
WELL INFOR	MATION .					•	<i>J</i>	·	
	e Point Marked?	YN					Sample Time	RF-02	
	Reference Point		Meas. From				Duplicate ID		
, rosin o	Well Diameter		_ 1910405. 1 10111		-		•		
Scree	n interval Depth	43.6	Meas. From	Tic			Split Sample ID		
W	ster Table Depth	2.00	Meas. From	TIC	_				
***	Well Dept	18 30		710		Required	Analytical	Parameters:	Collected
	of Water Column					( )	VOCs	(Std. list)	( )
		7.389	,			( )	VOCs	(Exp. list)	( )
Intake Depth	of Pump/Tubing	12.45	Meas, From	7.C	-			/OCs	( )
						(')		(Total)	( )
**	nt Identification:	_				(۱۳۰۰)		Dissolved)	( <b>)</b>
•	ner (PVC) Casin	-				( )		ganics (Total)	( )
Grade/BGS: G	luter (Protective Imund Surface	) Carsing				( )	-	nics (Dissolved) de (Dissolved)	( )
J. 64 G. C.		*				( )	-	de (Dissolved)	( )
Redevelop?	YN					( )	•	s/PCDFs	( )
				•		( )		s/Herbicides	( )
				•		( )	Netural 2	Attenuation	( )
						( )	Other	(Specify)	( )
EVACUATION	INFORMATION	١							
	ump Start Time		_						
		1622	-		Evacuation Me	thod: Bailer (	) Bladder F	ump ( )	
	ites of Pumping	_56			Peristattic Pum	p 💢 Sur	b <b>mersible</b> Pump (	) Other/Spe	cify ( )
	· · ·	1.59allo	ر س <u>ز</u>		Pump Type:	Gir a			
Di	id Well Go Dry?	Y (N)			Samples collec	ted by same me	thod as evacuation	n? Y N (speci	ÿ)
	M-4 0	•	. Jul Maruela	YSI		- 2		0 10	
	Water Quanty N	feler Type(s) / S	enal Numbers:		556 N	<u> </u>	BEER	<i>Y 17</i> 4	<del></del>
	Pump	Total	, Water	Temp.	pH	Sp. Cond.	>- Turbidity	DO	ORP
Time	Rate	Gallons	Lavel	(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]*
1528	150	0.08	70%				11		
14.30	125	0.25	7.07				11		
115.62	1.3.5			2 25	100	1.751	0	معبرات بر ودر ا	2 0
1542	100	1- <del></del>	1.05	16.27	6.41		<u></u>	4.65	-2.0
1547	100	0-62	8.07	16.11	6.89	1.769	(a)	1.99	-16.0
1552	100	0.48	FOF	15.91	684	1.776	7	1.62	30.3
1557	100	0.89	7.07	15.87	680	1.777	6	1.35	25.4
1602	100	1.02	7.07	15.14	6.82	1. 734	5-	1.25	- 22, Z
iwo 7	100	1.15	エヘジ	15.20	1 570	1.282	6	1.23	-190
			ar (these concer		- 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	E minute interne			670
		-	•	antive readings (	XX SECTION OF THE CONTRACT OF	o-minute interva	ls) is listed in each	column neading.	
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SAMPLE DEST	TINATION								
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Well No.	RF-02 Site/GMA Nam	30 - Complex
	Da	MAH, JCM NO 14 105-
	Weath	clear consument

WELL INFORMATION - See Page 1

Time	Pump Rate (Umin.)	Total Galions 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]*
1612	100	1.28	707	15.80	4.86	1. 781	5	1.29	- 26.
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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.						7.0	Icm		
	kground (ppm)			-	Date	10/4/0	5		
Well Her	edepace (ppm)			-	Weather	Clear,	sunny,	hot	· · · · · · · · · · · · · · · · · · ·
WELL INFORM	MATION						•	1410	
Reference	e Point Marked?	YN					Sample ID	RF-16	
Height of I	Reference Poin	t	Meas, From						
•	Well Diameter				-		MS/MSD		
Scree	n Interval Depti		Mess From	Ground			Spilt Sample ID		<del></del>
	nter Table Depth		Meas. From		=		ohar outlihis in		
		20.00			-	Required	Anaktira	Parameters:	Collec
	f Water Column	( )	_	<del></del>	•	( )		(Std. list)	,
_		6.5190	llons			( )		(Exp. list)	
		15.71		TIC		( )	•	VOCs	(
				<del>/</del>	•	( )		s (Total)	(
Reference Poin	it identification					( )		s (ross) Dissolved)	(
	er (PVC) Casin	a						•	(
<del>-</del>	uter (Protective	₹				( )		rganics (Total)	(
Grade/BGS: G	•	,				( )	=	nics (Dissolved)	(
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						( )		n/PCDFs	(
						( )		s/Herbicides	(
						( )		Attenuation	(
EVACHATION	INFORMATION					( )	Other	(Specify)	(
		13100							
	ump Start Time		-		_				
					<b>Evacuation Me</b>	thod: Bailer (	) Bladder F	ump (~)	
	ump Stop Time	• • • • • • • • • • • • • • • • • • • •	•						
Minut	tes of Pumping	35			Peristallic Pum		bmersible Pump (		ecify ( )
Minut Volume of W	tes of Pumping later Removed	1-2590	- [מיט]			p() Su <u>model</u> :		) Other/Sp Warschal	
Minut Volume of W Did	tes of Pumping later Removed d Well Go Dry?	7. 2.5 a.		YS1 5	Pump Type: Samples collec	racd # 1		Warschal	K
Minut Volume of W Did	tes of Pumping /ater Removed d Well Go Dry? / Water Quality N	Y (V)  Note Total	erial Numbers:	Тетр.	Pump Type: Samples collec	sp. Cond.	thod as evacuation	Wareckal n? Y N (speci	(K)
Minut Volume of W Did	tes of Pumping later Removed d Well Go Dry? " Water Quality N	/- 25-9-/ Y (P)	erial Numbers: Water Level	Temp. (Celsius)	Pump Type: Samples collect 5 4 ME	Sp. Cond. (mS/cm)	thod as evacuation  FOR 19  Turbidity (NTU)	DO (mg/l)	ORP
Minut Volume of W Did	tes of Pumping later Removed d Well Go Dry? Water Quality N Pump Rate (L/min.)	Y V V V V V V V V V V V V V V V V V V V	Water Level (ft TIC)	Temp. (Celsius) [3%]*	Pump Type: Samples collect	sp. Cond.	thod as evacuation  FOR 19  Turbidity (NTU)	Wareckal n? Y N (speci	ORP
Minut Volume of W Did	tes of Pumping Vater Removed d Well Go Dry? Water Quality N Pump Rate (L/min.)	Y N N N N N N N N N N N N N N N N N N N	Water Level (ft TIC)	Temp. (Celsius)	Pump Type: Samples collect 5 4 ME	Sp. Cond. (mS/cm)	thod as evacuation  FOR 19  Turbidity (NTU)	DO (mg/l)	ORP
Minut Volume of W Did	tes of Pumping later Removed d Well Go Dry? Water Quality N Pump Rate (L/min.)	Y P  Idea Type(s) / Se  Total Gallons Removed  O. 09  O. 22	Water Level (ft TIC)  10 74  10 70	Tomp. (Colsius) [3%]*	Pump Type: Samples collect  5	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  F 0 2 i 9  Turbidity  (NTU)  [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]	(K) (Fy)  ORP (mV) [10 m)
Minut Volume of W Dic	tes of Pumping later Removed d Well Ga Dry? Water Quality N Pump Rate (L/min.)	Y Wheter Type(s)/Selector Type(s)/Select	Water Level (ft TIC)  10 74  10 73	Temp. (Celsius) [3%]*	Pump Type: Samples collect  5 4 M£  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]	ORF (mV) [10 m)
Minut Volume of W Did	tes of Pumping later Removed d Well Go Dry? Water Quality N Pump Rate (L/min.) 65 100 100	Total Gallons Removed  O. 09  O. 22  O. 48	Water Level (ft TIC)  10 74  10 70  10 73	Tomp. (Coloius) [3%]*  /** /** /** /** /** /* /* /* /* /* /*	Pump Type: Samples collect  5 6 Mf  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  F 0 3 i 9  Turbidity (NTU) [10% or 1 NTU]*  4  3  3	DO (mg/l) [10% or 0.1 mg/l]	ORF (mV) [10 m)
Minut Volume of W Dic	tes of Pumping later Removed d Well Go Dry? Water Quality N Pump Rate (L/min.) 65 100 100 100	Total Gallone Removed  O. 09  O. 22  O. 48  O. 62  O. 75	Water Level (ft TIC)  10. 74  10. 73  10. 41  10. 70	Temp. (Celsius) [3%]*	Pump Type: Samples collect  5 4 M£  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*  0.809 0.809	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3 3 3	DO (mg/l) [10% or 0.1 mg/l]	ORF (mV) [10 m)
Minut Volume of W Dic	tes of Pumping later Removed d Well Go Dry? Water Quality N Pump Rate (L/min.) 65 100 100	Total Gallons Removed  O. 09  O. 22  O. 48	Water Level (ft TIC)  10 74  10 70  10 73	Tomp. (Coloius) [3%]*  /** /** /** /** /** /* /* /* /* /* /*	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04	Sp. Cond. (mS/cm) [3%]*  0. 809 0.809 0.809	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]	ORF (mV) [10 m)
Minut Volume of W Dic	tes of Pumping later Removed d Well Go Dry? Water Quality N Pump Rate (L/min.) 65 100 100 100	Total Gallone Removed  O. 09  O. 22  O. 48  O. 62  O. 75	Water Level (ft TIC)  10. 74  10. 73  10. 41  10. 70	Temp. (Celeius) [3%]*  /# / 30  16 99  16 96  16 87	Pump Type: Samples collect  5 6 Mf  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*  0.809 0.809	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3 3 3	DO (mg/l) [10% or 0.1 mg/l]	ORF (mV) [10 m)  320! 234. 236.
Minut Volume of W Dic Time 1325 1335 1346 1360	tes of Pumping later Removed d Well Go Dry?  Water Quality M  Pump Rate (L/min.)  (.55)  //OC  //OC	SS   1-25   9   1   1   1   1   1   1   1   1   1	Water Level (ft TIC) 10-74 10-73 10-41 10-73	Temp. (Celeius) [3%]*  /# / 30  16 99  16 96  16 87	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04	Sp. Cond. (mS/cm) [3%]*  0. 809 0.809 0.809	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  6 10 5-56 5.65	ORF (mV [10 m)
Minut Volume of W Dic Time 1325 1335 1340 1346 1350	tes of Pumping later Removed d Well Go Dry?  Water Quality N  Pump Rate (L/min.)  65  100  100  100  100  100	SS   1-25 q   Y   Y   Y   Y   Y   Y   Y   Y   Y	Water Level (RTIC) 10.74 10.73 10.41 10.70 10.73 10.75	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV) [10 m)  320'. 294. 276.
Minut Volume of W Dic Time 1325 1335 1346 1350 1355	tes of Pumping later Removed d Well Go Dry?  Water Quality M  Pump Rate (L/min.)  Co S  /OO  /OO  /OO  /OO  /OO  /OO  /OO  /	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV [10 m)
Minut Volume of W Dic Time 1325 1335 1346 1350 1355	tes of Pumping later Removed d Well Go Dry?  Water Quality M  Pump Rate (L/min.)  Co S  /OO  /OO  /OO  /OO  /OO  /OO  /OO  /	SS   1-25 q   Y   Y   Y   Y   Y   Y   Y   Y   Y	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV [10 m)
Minut Volume of W Dic Time 1325 1335 1346 1350 1355	tes of Pumping later Removed d Well Go Dry?  Water Quality M  Pump Rate (L/min.)  Co S  /OO  /OO  /OO  /OO  /OO  /OO  /OO  /	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV) [10 m)  320! 294. 276.
Minut Volume of W Dic Time 1325 1335 1346 1350 1355	tes of Pumping later Removed d Well Go Dry?  Water Quality M  Pump Rate (L/min.)  Co S  /OO  /OO  /OO  /OO  /OO  /OO  /OO  /	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV [10 m)
Minut Volume of W Dic Time 1325 1335 1346 1350 1355	tes of Pumping later Removed d Well Go Dry?  Water Quality M  Pump Rate (L/min.)  Co S  /OO  /OO  /OO  /OO  /OO  /OO  /OO  /	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV) [10 m)  320! 294. 276.
Minut Volume of W Dic Time 1325 1335 1346 1350 1355	tes of Pumping later Removed d Well Go Dry?  Water Quality M  Pump Rate (L/min.)  Co S  /OO  /OO  /OO  /OO  /OO  /OO  /OO  /	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV [10 m)
Minut Volume of W Dic Time 1325 1335 1346 1350 1355	tes of Pumping later Removed d Well Go Dry? Water Quality M Pump Rate (L/min.) 65 /00 /00 /00 /00 /00 /00 /00 /00 /00 /0	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV) [10 m)  320! 294. 276.
Minute of Working of W	tes of Pumping later Removed d Well Go Dry?  Water Quality Mater Quality Material Qu	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORF (mV) [10 m)  320! 234. 236.
Minut Volume of W Did  Time  1325  1335  1346  1350  1355  * The stabilization OBSERVATION  SAMPLE DEST Laboratory:	tes of Pumping later Removed d Well Go Dry?  Water Quality Mater Quality Material Quality Material Research Action Control of C	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Tomp. (Coloius) [3%]*  1.7.30 16.99 16.96 16.87 16.85	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b 10 5-56 5-50  column heading.	ORP (mV) [10 mV  320'. 294. 276. 266
Minute of Working of W	tes of Pumping later Removed d Well Go Dry?  Water Quality Mater Quality Material Quality Material Research Action Control of C	Total Gallons Removed  0.09  0.22  0.48  0.62  0.75  0.88  1.01	Water Level (ft TIC) 10.74 10.73 10.41 10.76 10.78 10.78	Temp. (Celsius) [3%]*  IFFAI  IFF	Pump Type: Samples collect  5 6 ME  pH  [0.1 units]*  7.10  7.06  7.04  7.05	Sp. Cond. (mS/cm)   [3%]"	thod as evacuation  FOR 19  Turbidity (NTU) [10% or 1 NTU]*  4  3  3  2	DO (mg/l) [10% or 0.1 mg/l]  (b. 10  5.56  5.59  5.65	ORP (mV) [10 mV  320'. 294. 276. 266

	· C/ 2-						bet area	2 0001H / G	MA-1
	<u> </u>			Sampi	ling Personnel				
	ackground (ppm)			-	Date		2 6,200€	<b>.</b>	
Well F	leadspace (ppm)			<del>-</del> .	Weather	PARTY	charion, &	70g	
WELL INFO	RMATION	•					Sample Time	1455	
	nce Point Marked?						Sample ID	E28C-23	
Height o	of Reference Poin	2.2021	Meas. From	GROOM	_		Duplicate ID		
	Well Diameter	2."	_				MS/MSD		
	een Interval Depth		Meas. From	<u>\$600000</u>	>		Split Sample ID		
٧	Vater Table Depth		Meas. From		_				
	•	21.501	Meas. From	TIC	-	Required	<u>Analytica</u>	Parameters:	Collected
<del>-</del>	of Water Column			- 110-		( )		(Std. list)	( )
	e of Water in Well		مح و في			( )	VOCs	(Exp. list)	( )
intake Dept	h of Pump/Tubing	20. DO	_ Meas. From	TIC.	-	( )	S	VOCs	( )
Defe 0-	-1-4 1-4					( )		s (Total)	( )
	oint Identification:					( <b>X</b> )		Dissolved)	$\langle \boldsymbol{\mathcal{L}} \rangle$
	nner (PVC) Casin	~				( )		rganics (Total)	( )
	Outer (Protective)	) Casing				( )	Metals/Inorga	nics (Dissolved)	( )
Grade/8GS:	Ground Surface					( )	EPA Cyani	de (Dissolved)	( )
Dedevoleso	v .m					( )	-	de (Dissolved)	( )
Redevelop?	' 🖤					( )	PCDE	s/PCDFs	( )
						( )		s/Herbicides	( )
						( )		Attenuation	( )
EN/ACHIATION	I INCODE ATION					( )	Other	(Specify)	( )
	N INFORMATION	AID							
	Pump Start Time Pump Stop Time	1505	_		F	<b></b> 5 4 .		- >/	
	utes of Pumping		_		Evacuation Me		•	Pump (X)	
	. •	55	_		Peristattic Pum		ibmersible Pump	( ) Other/Sp	ecify ( )
	Water Removed	3500	-		Pump Type:	MASSCH	PKLK .		
L	Did Well Go Dry?								
		γ <b>(</b> (1)			Samples collec		thod as evacuatio	n? Y N (speci	fy)
	Water Quality Me	•	erial Numbers:	_		cted by same me			fy)
	Water Quality M	•	erial Numbers:	_		ACH 200	UP TURBI	DIMETER	
Time	1	eter Type(s) / S	1	151 556 Temp.	MSP, M	ACH ZIO  Sp. Cond.	ethod as evacuation  DP 701281  Turbidity	DIMETER	ORP
Time	Pump	eter Type(s) / S	Water	451 556	MSP, M	Sp. Cond.	DP TOPB1  Turbidity (NTU)	DIMETER DO (mg/l)	ORP (mV)
Time	Pump Rate	eter Type(s) / S  Total  -Gallons	Water Level (ft TIC)	YS1 556 Temp. (Celsius)	MSP, M	ACH ZIO  Sp. Cond.	Turbidity (NTU) (10% or 1 NTU)*	DIMETER	ORP
1415	Pump Rate (L/min.)	Total -Cattons -Removed	Water Level (ft TIC)	YS1 556 Temp. (Celsius)	MSP, M	Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	DIMETER DO (mg/l)	ORP (mV)
1415 1420	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC) 19-80	761 566 Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DINETER  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1415 1420 1425	Pump Rate (L/min.)  / 00  / 00	Total -Callons -Removed	Water Level (ft TIC) 19.80 19.80	YS1 556 Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  76  19	DIMETER  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1415 1420 1425 1430	Pump Rate (L/min.)  /OD  /OD  /OD	Total Gallons Removed  500  1000	Water Level (ft TIC) 19.80 19.80 19.80	Temp. (Cetsius) [3%]* ————————————————————————————————————	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  76  19  7	DINETER  DO (mg/l) [10% or 0.1 mg/l]*  /-50	ORP (mV) [10 mV]* 
1415 1420 1425 1430 1485	Pump Rate (L/min.)  / OD	Total Gallons Removed 500 1500 2000	Water Level (ft TIC) 19.80 19.80 19.80 19.80	Temp. (Celsius) [3%]*  14.02 [4.59 14.41	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  76  19  4	DIMETER  DO (mg/l) [10% or 0.1 mg/l]*   /-50  /-28*  /-08	ORP (mV) [10 mV]*
1415 1420 1425 1430 1485 1440	Pump Rate (L/min.)  /OD  /OD  /OD  /OD	Total Gallons Removed  500  1000	Water Level (RTIC) 19.80 19.80 19.80 19.80	Temp. (Celsius) [3%]*  14.02 [4.59 14.41 14.25	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* (): 69/ (). 687 (). 685	Turbidity (NTU) [10% or 1 NTU]*  76  19  7  4-  3	DIMETER  DO (mg/l) [10% or 0.1 mg/l]*  /-50 /-28 /-08 /-99	ORP (mV) [10 mV]* -56.4 -57.5 -58.6 -57.2
1415 1420 1425 1430 1485 1440	Pump Rate (L/min.)  / OD	Total -Gallons -Removed	Water Level (ft TIC) 19.80 19.80 19.80 19.80 19.80	Temp. (Celsius) [3%]*  14.02 14.59 14.41 14.25 14.18	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  76  19  4	DIMETER  DO (mg/l) [10% or 0.1 mg/l]*   /-50  /-28*  /-08	ORP (mV) [10 mV]*
1415 1420 1425 1430 1485 1440 1460	Pump Rate (L/min.)  /OD  /OD  /OD  /OD  /OD  /OD  /OD  /O	Total -Gallons -Removed 5000 /500 2000 2500 3500	Water Level (RTIC) 19.80 19.80 19.80 19.80 19.80 19.80	Temp. (Celsius) [3%]*   ]4.02 [4.59 [4.41 [4.25 [4.18	PH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*   1): 69! 0: 687 0: 687 0: 684	Turbidity (NTU) [10% or 1 NTU]*  76  19  7  4-  3  3  2	DINNETER  DO (mg/l) [10% or 0.1 mg/l]*   /.50  /.28  /.08  /.99  0.98  0.97	ORP (mV) [10 mV]* -56.4 -57.5 -58.6 -57.2
1415 1420 1425 1430 1485 1440 [A45 1460	Pump Rate (L/min.)  /OD  /OD  /OD  /OD  /OD  /OD  /OD  /O	Total -Gallons -Removed	Water Level (ft TIC)  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80	Temp. (Celsius) [3%]*  14.02 14.59 14.41 14.25 14.18 14.13 cuttve readings of	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*   1: 69/ 0: 687 0: 684 0: 684	Turbidity (NTU) [10% or 1 NTU]*  76  19  7  4-  3  3  2	DINETER  DO (mg/l) [10% or 0.1 mg/l]*   /-50  /-28*  /-08  /-99  0-98	ORP (mV) [10 mV]*
1415 1420 1425 1430 1485 1440 1445 1460	Pump Rate (L/min.)  / OD  / OD	Total -Gallons -Removed	Water Level (ft TIC)  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80	Temp. (Celsius) [3%]*   ]4.02 [4.59 [4.41 [4.25 [4.18	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*   1: 69/ 0: 687 0: 684 0: 684	Turbidity (NTU) [10% or 1 NTU]*  76  19  7  4-  3  3  2	DINNETER  DO (mg/l) [10% or 0.1 mg/l]*   /.50  /.28  /.08  /.99  0.98  0.97	ORP (mV) [10 mV]*
1415 1425 1430 1485 1440 1460 The stabilizat	Pump Rate (L/min.)  / OD  / OD	Total -Gallons -Removed	Water Level (ft TIC)  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80	Temp. (Celsius) [3%]*  14.02 14.59 14.41 14.25 14.18 14.13 cuttve readings of	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*   1: 69/ 0: 687 0: 684 0: 684	Turbidity (NTU) [10% or 1 NTU]*  76  19  7  4-  3  3  2	DINNETER  DO (mg/l) [10% or 0.1 mg/l]*   /.50  /.28  /.08  /.99  0.98  0.97	ORP (mV) [10 mV]*
1415 1420 1425 1430 1485 1440 [495 [460]	Pump Rate (L/min.)  / OD  / OD	Total -Gallons -Removed	Water Level (ft TIC)  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80	Temp. (Celsius) [3%]*  14.02 14.59 14.41 14.25 14.18 14.13 cuttve readings of	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* [0.687 0.687 0.684 0.684	Turbidity (NTU) [10% or 1 NTU]*  76  19  7  4-  3  3  2	DINNETER  DO (mg/l) [10% or 0.1 mg/l]*   /.50  /.28  /.08  /.99  0.98  0.97	ORP (mV) [10 mV]*
1415 1420 1425 1430 1485 1440 [460 The stabilizat	Pump Rate (L/min.)  / OD  / OD	Total -Gallons -Removed	Water Level (ft TIC)  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80	Temp. (Celsius) [3%]*  14.02 14.59 14.41 14.25 14.18 14.13 cuttve readings of	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* [0.687 0.687 0.684 0.684	Turbidity (NTU) [10% or 1 NTU]*  76  19  7  4-  3  3  2	DINNETER  DO (mg/l) [10% or 0.1 mg/l]*   /.50  /.28  /.08  /.99  0.98  0.97	ORP (mV) [10 mV]*
1415 1420 1425 1430 1485 1440 1460 The stabilizat BSERVATIO	Pump Rate (L/min.)  / OD  / OD	Total -Gallons -Removed	Water Level (ft TIC)  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80  19.80	Temp. (Celsius) [3%]*  14.02 14.59 14.41 14.25 14.18 14.13 cuttve readings of	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* [0.687 0.687 0.684 0.684	Turbidity (NTU) [10% or 1 NTU]*  76  19  7  4-  3  3  2	DINNETER  DO (mg/l) [10% or 0.1 mg/l]*   /.50  /.28  /.08  /.99  0.98  0.97	ORP (mV) [10 mV]*

Well No	. <i>E2</i> 8C-24	·		s	ite/GMA Name	EART R	PEET NOUS	2.800TH/	GNA-1
	- FX-87				ling Personnel		LUCK THEF	Z COUTEL/	CI-VII
PID Bad	kground (ppm)	<del>,</del>		_	Date		R 6. 700		
	adspace (ppm)			<del>-</del>	Weather		705 CLE		
				<b>-</b> ,			, 195,550		
WELL INFOR	MATION						Sample Time	1335	
Reference	e Point Marked	? 🔗 N						628C-24	
Height of	Reference Poin	12.354	5 Meas. From	GROUN	an a		Duplicate ID	-	
	Well Diamete	r2"	 				MS/MSD		
Scre	en Interval Depti	9-19	Meas. From	GROUN	D		Split Sample ID		
W	ater Table Depti	16.50	Meas. From		<u>-</u>				
	Well Depti	21:65	Meas. From	TIC	_	Required	<u>Analytica</u>	l Parameters:	Collected
	of Water Column			Ho.		( )	VOCs	(Std. list)	( )
	of Water in Wei		<del>-3</del> -0.849			( )	VOCs	(Exp. list)	( )
Intake Depth	of Pump/Tubing	14.0	_ Meas. From	ETIC.	-	( )	S	VOCs	( )
D-4						( )		s (Total)	( )
•	nt Identification:					( <b>X</b> )	•	Dissolved)	( <b>X</b> )
	ner (PVC) Casin	-				( )		rganics (Total)	( )
-	Outer (Protective Ground Surface	y Casing				( )	-	nics (Dissolved)	( )
GIAUGOGO, G	BORNDS DIEDOK					( )	•	de (Dissolved)	( )
Redevelop?	y (n)					( )	-	de (Dissolved) s/PCDFs	( )
· · · · · · · · · · · · · · · · · · ·						( )		s/Herbicides	( )
						( )		S/Herbicides Attenuation	( )
						( )		(Specify)	( )
EVACUATION	INFORMATION	1				,	Outer	(орсспу)	( )
P	ump Start Time	1230							
	ump Stop Time				Evacuation Me	ethod: Bailer (	) Bladder	Pump 🔀	
Minu	ites of Pümping	80	_		Peristaltic Purr		ubmersible Pump	•	ecify ( )
Volume of V	Vater Removed	5500 m	L		Pump Type:	MARSCHU	ALK TRI AD	DER PUMP	
Di	d Well Go Dry?	Y (P)			Samples collec	ted by same me	ethod as evacuatio	n? Y N (speci	fy)
	Water Quality M	leter Type(s) / S	erial Numbers:	YSI 556	M80, 11	ACH ZIO	DP TUPPI	DIMETER	
	Pump	Total	Water	Temp.	рH	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]*
1235	1005		16.50				162		
1240	100	500	16.57	1			93		-
1245	100	1000	16.58				61	-	
1250	100	1500	16.58				48		
1255	100	2000	16-58	16.44	7.86	0-773	37	1.80	-90.0
1300	100	2500	16.58	16.64	7-17	0.735	28	1.30	-87.0
1805	100_	<i>3000</i>	16.58	15.87	7-07	0.788	26	0.96	<u> 189.7</u>
1310	100	<i>පු</i> ත්රහ	16.58	15.60	7.05	0.740	18	0.84	-92.8
The stabilization	on criteria for ea	ch field parame	ter (three consec		collected at 3- to	5-minute interv	als) is tisted in eac	ch column heading.	
	IS/SAMPLING I							LOE WITH	t
				VIBIBLE !					<u> </u>
				AWAGES !	THE PERSON NAMED IN				·· ·· · · · · · · · · · · · · · · · ·
<del> </del>	***************************************	·							
					<del>-</del>				
			<u> </u>						
AMPLE DEST Laboratory: Delivered Via:	5G5								

Well No. <u>E28C-24</u>	Site/GMA Name Sampling Personnel	EAST STREET AREA 2 SOUTH /GMA-
	Date	OCTORER 6, 2006
	Weather	SUNNY, FOR CLEAR SKIES

WELL INFORMATION - See Page 1

Time	Pump Rate (L/mfn.)	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]*
1815	100	4000	16.58	15.83	7.06	0.745	6	0.79	-95.4
1320	100	4500	16.58	15.57	7-04	0.743	4	0.79	-95.1
1825	100	5000	16.58	15.48	7.05	0.744	3	1.80	-95.4
1880	100	5500	16.58	15.38	7.05	0.744	3	0.81	-95.2
Sample	TIME	1335			<u> </u>				
					ļ		<u> </u>		
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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	SEE NOTES ON PAGE 1.							

Well N Key N	10. <u>E82-U</u>	2.A					et area 1	I /GMA-1	
•				_ sampi	ling Personnel				
	ackground (ppm)			<b></b>	Date		6,2005	· · · · · · · · · · · · · · · · · · ·	<del></del>
Weil	Headspace (ppm)		***************************************	<del>-</del>	Weather	FOEGUL	OVERCUST, CO	20L(50s)_	
WELL INFO		_					Sample Time		
Refere	nce Point Marked?	© N_,	0- <b>6</b> 0				Sample ID	E32-02A	
Height	of Reference Point	** <del>***********************************</del>	_ Meas, From	GROUNT	>		Duplicate ID		
	Well Diameter	2"	-	•			MS/MSD	E52-02A	MSIMSD
Scr	een Interval Depth	3-18		GROWND	_		Split Sample ID		
'	Water Table Depth		Meas. From		_				
		18.PO	Meas. From	TIC	•	Required	Analytical	Parameters:	Collected
•	h of Water Column		A 1 7,	11		( )	VOCs	(Std. list)	( )
	e of Water in Welf		1.769	allons		( )	VOCs	(Exp. list)	( )
Intake Dep	th of Pump/Tubing	<u> 13.0, </u>	Meas. From	GROWD	-	( )	2,	VOCs	( )
						( )	PCB:	s (Total)	( )
	oint Identification:					( )	PCBs (	Dissolved)	( )
=	inner (PVC) Casing	·				( )	Metats/Ino	rganics (Total)	( )
	f Outer (Protective)	Casing				( )	Metals/Inorga	nics (Dissolved)	( )
Grade/BGS:	Ground Surface					$(\mathbf{X})$	EPA Cyani	de (Dissolved)	( <b>X</b> )
1000	~					( <b>X</b> )	PAC Cyani	de (Dissolved)	( <b>√</b> )
Redevelop?	Y (N)					( )	PCDD	s/PCDFs	$( \frown )$
						( )	Pesticide	s/Herbicides	( )
						( )	Natural .	Attenuation	( )
						( )	Other	(Specify)	( )
EVACUATIO	N INFORMATION								
	Pump Start Time	0945							
	Pump Stop Time	1125			Evacuation Me	thod: Bailer (	) Bladder i	Pump (❤)	
Mir	nutes of Pumping	100			Peristaltic Pum	np() Su	bmersible Pump	( ) Other/Sp	ecify ( )
Volume of	Water Removed	5500 ml			Pump Type:	MARSCHI	AUK PLACED		
1	Did Well Go Dry?	YN			Samples collec	ted by same me	thod as evacuation	n? Y N (speci	fy)
	Water Quality Me	eter Type(s) / Se	rial Numbers:	YS1 556	M8P, +	IRCH 210	ROP TURB	DIMETER	<del> </del>
	Pump	Total	Water	Тетр.	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/l]*	[10 mV]*
0950	100	_	G8:∓	_			20		
0955	100	500	8.10	14.44	6.59	0.529	8	2.22	-85.2
		• •		_		,		0.99	
1000_	100	1000	8.10	14.25	6.67	0.728	b	•	-108.2
1005	100	1500	8.10	14.21	6.75	0.828	Ь	0.80	-118.8
1010	100	2000	8.10	14.19	6.80	1.088	6	0.71	-123.0
1015	100	<i>250</i> 0	8-10	14.14	6.83	1.147	7	0.64	-128.0
	100	3000	8.10	14.17	6.88	1.316	6	0.56	-134.2
1020			8.10	14.22	6.91	1.390	7	0.56	-137.8
1020 1025	100	<u> </u>				·	als) is listed in eac		
1025		<del></del>	er (three consec	cutive readings of					
1025 The stabiliza	ition criteria for eac	ch field paramet							34 1 dans
1025 The stabiliza		ch field paramet	TIONS	NITIBL P	uege 18	TURBID		CK AND ORE	NGE
1025 The stabiliza	ition criteria for eac	ch field paramet	TIONS		uege 18	TURBID			NGE
1025 The stabiliza	ition criteria for eac	ch field paramet	TIONS	NITIBL P	uege 18	TURBID			NGE_
1025 The stabiliza	ition criteria for eac	ch field paramet	TIONS	NITIBL P	uege 18	TURBID			NGE
1025 The stabiliza	ition criteria for eac	ch field paramet	TIONS	NITIBL P	uege 18	TURBID			NGE
1025 The stabilization DBSERVATION DBSERVA	Ition criteria for eac DNS/SAMPLING N	ch field paramet	TIONS	NITIBL P	uege 18	TURBID			Nee
1025 The stabiliza DBSERVATIO  CAMPLE DES Laboratory	ntion criteria for eac DNS/SAMPLING N	ch field paramet	TIONS	NITIBL P	uege 18	TURBID			NGE

Well No. <u>ES2-OZA</u> Site/GMA Nar	EAST STREET AREA 2 SOUTH / GMA-1
Sampling Persons	
Da	te 0070 BER 6, 2005
Weath	FOGOY, OUERCAST, COOL (508)

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}*
1080	100	4000	8.10	14-35	6.94	1.580	6	0.51	-144.2
1085	100	4500	8.10	14.40	6.96	J. 581	6	0.51	-145.3
1040	100	600	8.10	14.44	6.97	1.581	6	0.50	-146.2
1045	100	5500	8.10	14.46	6.98	1.582	10	0.49	-147.9
SAMPLE	TIME	050 -							
	;								
	<u> </u>				:25>				
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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 SEE NOTES ON PAGE !									
					·		•		
"									

	-	<u> </u>			SMA-1			
						:		
Well No. E 5A 25-5	2		Situ/GMA Name			ESA75-57		
		-			SEL / W	00 /	<del></del>	
Key No. —	<del></del>	Sampa	ing Personnel	-		787	· · · · · · · · · · · · · · · · · · ·	
PID Background (ppm) Well Headspace (ppm)		-	Date Weether			71.2 753	······································	
Transpace (ppm)		-	received			19 73		
WELL INFORMATION					Sample Time	16:00		
Reference Point Marked? (Y) N					Sample ID	I SA	<u> </u>	
Height of Reference Point		Ground			Duplicate ID		<u> </u>	
Well Diameter	(MCdd. 1 TOIT)	<u> </u>	•		MSAMSD	<del></del>	-	
	Meas. From	Greund			Split Sample ID			
Water Table Depth /3.1	3 Meas. From		-		opia outripio io	<del></del>	<del></del>	
Well Depth 24.0	Meas. From	Tile	-	Required	Analytical	Parameters:	Collected	
Length of Water Column 10, 9	<b>5</b> .		•	( )		(Std. fist)	( )	
Volume of Water in Well	and 1.7	ggallon.		( )	VOCs	(Exp. list)	( )	
Intake Depth of Pump/Tubing	Meas. From	Tic	_	( )	S\	/OCs	( )	
			-	( )	PCBs	(Totai)	( )	
Reference Point Identification:				( )	PCBs (	Dissolved)	( )	
TIC: Top of Inner (PVC) Casing				( )	Metals/Incr	ganics (Total)	( )	
TOC: Top of Outer (Protective) Casing				( )	Metals/Inorga	nics (Dissolved)	( )	
Grade/BGS: Ground Surface				(VD	EPA Cyania	de (Dissolved)	(صۇ)	
				فکک	PAC Cyania	de (Dissolved)	(ص)	
Redevelop? Y N				( )	PCDD	s/PCDFs	(*)	
Carried Marie Control				( )	Pesticide	s/Herbicides	( )	
				( )	Natural A	Attenuation	( )	
				( )	Other	(Specify)	( )	
EVACUATION INFORMATION	$\wedge$							
Pump Start Time /	$\stackrel{\smile}{=}$							
Pump Stop Time 16:10			Evacuation Me	<i></i> ^	•	ump ( )		
Minutes of Pumping 70			Peristattic Pum		omersible Pump (	_) Other/Spe	cify ( )	
Volume of Water Removed 2 3	<del>//</del> 0 h J		Pump Type:	- 00.	<u>) () (~(</u>	)		
					` ` `	\\(\begin{array}{cccccccccccccccccccccccccccccccccccc		
	)		Samples collec	ted by sàme me	thod as evacuation	i? N (specif	y)	
	/ Sarial Numbers	<u> </u>	-	_	_	N (specif	y)	
Water Quality Meter Type(s)	/ Serial Numbers:	YSIS	Samples collect	_	SFUSIF	N (specif	y)	
Water Quality Meter Type(s)	····		56 m	25 OJ	Fazi?	45		
Water Quality Meter Type(s)	Water	Temp.	-	25 () () () () () () ()	Turbidity	A 5	ORP	
Water Quality Meter Type(s)	Water Level	Temp. (Celsius)	S6 M	25 () Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (Mg/l)	ORP (mV)	
Water Quality Meter Type(s)  Pump Total Time Rate Gallons (L/min.) Removed	Water Level d (RTIC)	Temp.	56 m	25 () () () () () () ()	Turbidity (NTU)	A 5	ORP	
Water Quality Meter Type(s)  Pump Total Rate Gallons (L/min.) Remove	Water Level d (RTC)	Temp. (Celsius) [3%]*	(0.1 units)*	\$p. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	
Water Quality Meter Type(s)  Pump Total Time Rate Gallons (L/min.) Removed	Water Level d (RTC)	Temp. (Celsius)	(0.1 units)*	25 () Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (Mg/l)	ORP (mV)	
Water Quality Meter Type(s)  Pump Total Gallons Removed  15.70 150 0.30	Water Level d (RTIC)	Temp. (Celsius) [3%]*	(0.1 units)*	25 (5) Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	
Water Quality Meter Type(s)  Pump Total Gallons Removed  [Umin.] 70 05 750 0.20  15 75 750 0.57	Water Level d (RTIC)	Temp. (Celsius) [3%]*	(0.1 units)*	\$p. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	
Water Quality Meter Type(s)  Pump Total Gallons Removed  15.70 150 0.30	Water Level d (RTIC)	Temp. (Celsius) [3%]*	(0.1 units)*	25 (5) Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	
Water Quality Meter Type(s)  Pump Total Gallons Remove:    15   150   0.20     15   150   0.57     15   20   0.73	Water Level d (RTIC) 2 /3.1 2 /3.1 2 /3.1 13.1 13.1 13.1 13.1	Temp. (Celsius) [3%]*	(0.1 units)*	25 (5) Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	
Water Quality Meter Type(s)  Time Rate (L/min.) Removed  15/0 150 0.57  15.20 0.90	Water Level d (RTIC) 2 /3.1 2 /3.1 2 /3.1 13.1 13.1 13.1 13.1	Temp. (Celsius) [3%]*	(0.1 units)*	25 (5) Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	
Water Quality Meter Type(s)  Pump Total Gallons Remove:    15   150   0.20     15   150   0.57     15   20   0.73	Water Level d (RTIC) 2 /3.1 2 /3.1 2 /3.1 13.1 13.1 13.1 13.1	Temp. (Celsius) [3%]*	(0.1 units)*	25 (5) Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	
Water Quality Meter Type(s)	Water   Level	Temp. (Celsius) [3%]*	(0.1 units)*	25 (5) Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*	
Vater Quality Meter Type(s)   Time   Rate   Gallons   Removed	Water Level (RTIC) 13.10 13.18 13.18 13.18 13.18 13.18	Temp. (Celsius) [3%]*	(0.1 units)*	25 (5) Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)  Time Rate Gallons Remove:    Pump Total Gallons Remove:   Pump   Total Gallons   Pump   Pump	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]*	
Water Quality Meter Type(s)	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)  Time Rate Gallons Remove:    Pump Total Gallons Remove:   Pump   Total Gallons   Pump   Pump	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)  Pump Total Galions Removes  [Limin.] Romoves  [Salons Removes	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)  Pump Total Galions Removes  [Limin.] Removes  [Salons Removes	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)  Pump Total Gallons Remove:    Sallons   Color   C	Water   Level	Temp. (Colsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	25 (5)  Sp. Cond. (mS/cm) [3%]*  3.037  3.00)  3.000  2.9994  2.965  2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	
Water Quality Meter Type(s)  Pump Total Galions Removes  [Limin.] Removes  [Salons Removes	Water   Level	Temp. (Celsius) [3%]*  /4.66 /4.90 /4.87 14.81 74.86 /4.68 /4.68	[0.1 units]*  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]  [0.89]	3.037 3.037 3.001 3.001 3.001 2.999 2.965 2.965 2.965	Turbidity (NTU) [10% or 1 NTU]* (O) 7 (9	DO (mg/l) [10% or 0.1 mg/l]*  9.32  3.08  2.75  1.89  1.36  1.72	ORP (mV) [10 mV]* -38.9 -52.0 -52.0 -48.2 74.5	

Well No.	Site/GMA Name	ESASS-SS
	Sampling Personnel	SEX / M/II
	Date	70-5-05
	Weather	200 NC 75 °

(Linin)   Removed   (R.TIC)   (3%)   (0.1 units)   (3%)   (10% of 1 NTU)   (10% of 1 NTU)	DO ORF (mg/l) (mV or 0.1 mg/l) [10 m)
5.50   1-72   3.16   14.93   6.90   2.939   5   1. 5.55   1.81   13.16   14.91   6.90   2.938   5   1. 6.00   2.05   3.16   4.91   6.90   2.938   5   1.	.88 33
6:00 V 2.05	, ,
6:00 V 2.05	85 38
	23 30
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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										
									<del> </del>	

Well N	o. GMA 1	-13		. 9:	te/GMA Name	cmal			
	o. Ao Los				ling Personnel	Max			
	ground (ppm)		·	_	Date				
	dspace (ppm)			<del>-</del> .	Weather				
	, , ,			-			1 LARRACE	v. cura	
WELL INFORM	IATION	_	0.10				Sample Time	1523	
Reference	Point Marked?	Ø N		TIC T				ana 1-13	
Height of F	Reference Point	2.02'	_ Meas. From	TOC TO	ground		Duplicate ID	•	· · · · · · · · · · · · · · · · · · ·
	Well Diameter	2.00"	- -		. )		MS/MSD		
	n Interval Depth		_ Meas. From		_		Split Sample ID		
Wa	ter Table Depth		_ Meas. From _ Meas. From	TIC					
		27.04'	_ Meas. From	TIC	-	Required	Analytical	Parameters:	Collected
	Water Column		•			( )	VOCs	(Std. list)	( )
	of Water in Welf					( )		(Exp. list)	( )
intake Depth o	of Pump/Tubing	LS.CB	_ Meas. From	TIC	-	( )		/OCs	( )
Rafaman Rein	. (					( )		(Total)	( )
Reference Poin		_				(><)	,	Dissolved)	( <b>&gt;&lt;</b> )
	er (PVC) Casing uter (Protective)	•				( )		ganics (Total)	( )
Grade/BGS: Gr		Casing				( )	<del>-</del>	nics (Dissolved)	( )
0,000,00	oona canace					( )		de (Dissolved)	( )
Redevelop?	Y (N)					( )		de (Dissolved) s/PCDFs	( )
•	$\mathcal{O}$					( )		s/Herbicides	( )
						( )		Attenuation	( )
						( )		(Specify)	( )
EVACUATION .	INFORMATION					. ,		,-p	` ,
Pu	mp Start Time	5900	-						
Pu	ımp Stop Time	1042	<i>.</i> -		Evacuation Met	hod: Bailer (	) Bladder Pr	япр 📈	
	es of Pumping				Peristaltic Pump	. ,	mersible Pump (		cify ( )
Volume of W	ater Removed	Z-7 9 m/	(075		Pump Type:	Model 59	SOO Mirs	chark	
Die	Well Go Dry?	Y 🐠			Samples collect	ted by same meth	nod as evacuation	? 🔗 N (specify	)
	25-	, Maria de la Caracteria de		W	·	~ ~ ~ ×	210 17		
	water Quality M	eter iype(s) / S	enai Numbers:	IST SS	10 14.63	03F D	2/9 AJ		
	Pump	Total	Water	Temp.	pН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	(Celsius)		(mS/cm)	(UTU)	(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]*
0910	100	0-26	19.55		_	ļ	102		
1915	100	0-39	19.55				80		
1920	100	0.52	10 65				46		
09210	100	0.68	10 004	11 -2	1.72	. 4.2	28	218	1115
0720		· ·	77.57	16.02	4.73	0.7/2	20	2.68	161.0
0731	100	0.81	19.56	16.06	4.73	0.7/6	29	2.14	116.0
0936	100	0-94	19.55	15 54	6.70	0.978	28	1.85	90.Z
0941	100	1-07	19.55	15-45	6.70	0.929	25	1.55	81.9
0946	1010	1.20	19.56	15.39	672	1.930	21	1.44	76.2
* The stabilization		ch field paramel	ter (three conse	utive readings			/als) is listed in eac	h column heading.	
OBSERVATION							are, to noted in out	ar obtaining.	
			A						
				<del></del>				<del></del>	
****	<del></del>								
041404 5 555	NATO:								•
SAMPLE DEST									
	ry: <u>565</u> ia: UP5		····	• .					_
Delivered V Airbill			· · · · · · · · · · · · · · · · · · ·	-	Elald 6	- <b>^</b>		, <del>X</del>	
	77.				rieio samblino	g Coordinator:			

Well No. GMA(~(3	Site/GMA Name & MA	
	Sampling Personnel MAH	_
	Date 10/7/05	_
	Weather overcast, chance of thin	

WELL INFORMATION - See Page 1

Time	Pump Rate (Umin.)	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]*
0951	100	1-33	19.55	15.28	6.72	0.934	19	1.60	59.0
0956	100	1.46	19.56	1528	6.72	0.936	14	1.91	52.2
1001	100	1-59	19.55	15.26		0.936	13	2.08	73.0
1006	100	1-72	19.55	15.30	6.73	0.940	11	2.24	95.5
10/1	100	1.85	19.54	15.27	le. 73	0.941	10	2.37	92.3
1016	100	1-98	19.56	15.23	6.73	0.942	9	2.45	89.1
1021	100	2.11	<b>F</b>	15.26	6.74	0.945	10	2.48	86.6
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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					

Well N	10. <u>HR-61</u>	-MW-3	<b>)</b>	_ s	ite/GMA Name	EAST ST	REET ARE	AZ-BOUT	4 /AUDI	
Key N				Samp	oling Personnel	AES/S		·	· · · · · · · · · · · · · · · · · · ·	
	ackground (ppm	-		-	Date	***************************************	2 10, 2005	5		
Well	Headspace (ppm	)		<del></del> ,	Weather	OVERCAS	st, 60s, Ca	iance of f	CAIN	
WELL INFO	RMATION		•				Sample Time	1225		
Refere	nce Point Marked	? (Y) N	2.143	حا						
Height	Height of Reference Point Meas. From GROUND Duplicate ID ——									
	Well Diamete	r 2"	_				MS/MSD			
Scr	een Interval Depti	h 7-17	Meas. From	GREEN	Þ		Split Sample ID			
<b>\</b>	Water Table Depti		Meas. From	TK	_					
	Well Depti		Meas. From	TIC		Required	<u>Analytica</u>	Parameters:	Collected	
	of Water Column		B 21	OL3 - 2	356ALLUN	مc <sup>(</sup> )	VOCs	(Std. list)	( )	
	e of Water in Wel	<del></del>	<del>-,,</del>			45 ( )	VOCs	(Exp. list)	( )	
ітаке ⊔ері	th of Pump/Tubing	12.0	_ Meas. From	GROON	ي	( )	S	VOCs	( )	
Reference Dr	oint Identification:					( )		s (Total)	( )	
	Inner (PVC) Casin					( )		Dissolved)	( )	
	Outer (Protective	-				( )		rganics (Total)	( )	
-	Ground Surface	o Casing				( )	_	nics (Dissolved)	( )	
				*		(X)	-	de (Dissolved)	$(\mathbf{X})$	
Redevelop?	YAD					(X)	•	de (Dissolved) s/PCDFs	(X)	
,						( )		s/Herbicides	( )	
						( )		Attenuation	( )	
						( )	· ·	(Specify)	( )	
EVACUATIO	N INFORMATION	ŀ				, ,		()/	` ,	
	Pump Start Time	140	_	•						
	Pump Stop Time	1245			Evacuation Me	ethod: Bailer (	) Bladder	Pump (X)		
	nutes of Pumping		<del>.</del>		Peristaltic Purr		bmersible Pump	( ) Other/Sp	ecify ( )	
	Water Removed	<u>2000 w</u>		-	Ритр Туре:	MARSCL	IPILK BL	ADDED PL	MP	
ί	Did Well Go Dry?	Y Ø			Samples collect	cted by same me	thod as evacuatio	n? Y N (spec	ify)	
				مست من	4.00			_		
	Water Quality M	leter Type(s) / S	erial Numbers:	ASI 300	MSP, 4	LACH ZIO	OP TURBI	DIMETER		
	Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	DO	ORP	
Time	Rate	-Guilline-	Level	(Celsius)	"	(mS/cm)	(NTU)	(mg/l)	(mV)	
		- Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*		[10 mV]*	
1140	100		3.50			_	58			
		60-						<del></del>	, -	
145	100	<i>රිග</i>	3.20				18		<u> </u>	
1160	100	1000	3.20	16:71	6.77	0.974		1.90	-36.4	
1155	100	1500	3.14	16.56	6.93	0.983	구	1.10	-47.8	
1200	100	2000	3.14	16:17	6.96	0.980	6	0.80	47.2	
1205	100	2500	3.18	16.02	6,96	0.979	5	0.64	-45.8	
1210	100	<i>30</i> 00	3.18	16.03	6.96	0.983	4	0.62	-45.8	
1215	100	350D	3.18	15.98	691	1.987	4	054	-4h.1	
					polipoted at 2 to	5 minuto inten			40-	
* 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  INTRU PURCE 18 (1547 1610 ), SUIGHT										
treating to the Parish Associated										
TURBIDIRY.										
		·····		·····	-					
<del></del>										
CAMPI E DEC	TIMATION									
	SAMPLE DESTINATION  Laboratory: 565									
Delivered Via:						* - *				
	· _ <del> _ ·</del> · _ · ·									

Well No. <u>HR-61-IMW-3</u>

Site/GMA Name

Sampling Personnel

Date

OCTOBER 10,2005

Weather

Weather

WELL INFORMATION - See Page 1

Time	• Pump Rate <del>-(L/min</del> .)	Total -Gallons'- Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1220	100	4000	3.18	15.96	6.97	0.987	3	1.53	-46.2
1225	100	4500	3.18	15.96	6.97	0.987	3	0.52	-45.3
1280	100	5000	3.18	15.94		0.987	3	0.01	-44.4
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	E TIMI								
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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	SEE NOTES ON PRISE !				

Weil No	. <u>He-G3</u>	-mw-1		SI	te/GMA Name	GNA	1		
Key No	• •			Sampl	ing Personnel	Mad			
PID Ba	ckground (ppm)			_	Date	10/10/1	5		
Well H	eadspace (ppm)			<del>-</del>	Weather	racey,	over cast	cold	
WELL INFOR	RMATION		_			•	Sample Time	1345	
Referen	ce Point Marked?	/ A) N ,	. 0-2 -	TOC TO T	ric .		Sample iD	HR-63-	2014)-1
Height o	f Reference Poin	3.67	Meas. From	ground To	TOL		Duplicate ID	*· · · · · ·	
•	Well Diameter	//	_	<b>₹</b>	<del>-</del>		MS/MSD		
Scre	en Interval Depth	4.1-141	Meas. From	TIC			Split Sample ID		
	Vater Table Depth		Meas, From		-		•		
	Well Depth		Meas. From		-	Required	Analytical	Parameters:	Collected
Lenath	of Water Column		_		-	( )		(Std. list)	( )
	e of Water in Well		ons			( )		(Exp. list)	( )
	h of Pump/Tubing		Meas. From	TIC		( )		/OCs	( )
.,					-	( )		s (Total)	( )
Reference Po	int Identification:					( <b>&gt;</b> <)		Dissolved)	()
	nner (PVC) Casin	<b>a</b>				$\langle C \rangle$		ganics (Total)	<i>-</i>
-	Outer (Protective	_				( )		nics (Dissolved)	( )
=	Ground Surface	, sooning				( )		de (Dissolved)	( )
CIAGODOO.	Ground Surface					( )	•	de (Dissolved)	( )
Redevelop?	v 🗚					( )	-	ue (Dissolved) Is/PCDFs	( )
Redevelopi	· (3)					• •		s/Herbicides	
						( )		Attenuation	( )
						( )			( )
		i				( )	Other	(Specify)	( )
	N INFORMATION								
	Pump Start Time		_						
	Pump Stop Time				Evacuation Me	•	•	Pump (C)	
Min	utes of Pamping	-/0-2 (	2 6-	to a	Peristaltic Pum		bmersible Pump	() Other/Sp	ecify ( )
	Water Removed		<del></del> /. 659	Mons		Made 1 5		Marschal	•
£	Did Well Go Dry?	Y (N)	_		Samples collec	cted by same me	thod as evacuatio	n? (Y ) N (speci	fy)
	Water Quality M	leter Tyre(s) / S	erial Numbers:	YSI 5	56 mg	5 03 p	-0319 1	4 J	
	Pump	Total	Water	Temp.	pH	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]*
1255	100	0.05	9.80				21		
17.		0.18		15 20	, 4,	1000	4	r an	22.
1300	100		9.80	15.03	Ce . 76	1.098	7	5.99	-23.0
1305	100	0.31	9.82	15.08	6.97	1.099	W M	4.64	-91.9
1310	100	0-45	9.85	15.08	6.97	1.08998	2.5	3.62	105.8
1315	100	0.58	9.86	15.11	B.99	1.098	<u>&gt;</u>	3.09	-107.3
1320	100	0.71	9.85	15.13	6.95	1.099	5	2.62	-109.7
1325	100	0-84	9.810	15.13	4.94	1.101	5	2.17	708.2
1330	100	0.98	9.85	15.14	10.93	1.102	4	1.83	-112.6
* The stabiliza	tion criteria for ea	ich field parame	eter (three conse	cutive readings	collected at 3- to	o 5-minute interv	als) is listed in ea	ch column heading.	
OBSERVATIO	ONS/SAMPLING	METHOD DEVI	ATIONS						
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				<del></del>					
0.4451 5 ===	MARIE E TRANS					<u></u>			
SAMPLE DES Laboratory Delivered Via	535								

Well No. HR-63-MW-1	Site/GMA Name	Gmal
	Sampling Personnel	MAU
	Date	10/10/05
		Tany overcust, and

WELL	INFORMATIO	N - See	Page 1	ł
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Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	<b>pH</b> [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]*
1335	100	1.11	9.85	15.13	6.93	1.104	4	1.73	-//2/
1335 1340	100	1.24	9.86	15.14	6.94	1.104	4	1.67	-112.1 -114.6
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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	

Well No.	· 201-75	}		SIL.	COMA Name	EAST STE	CINCET	1 /6MA-1	
Key No.				Sampli	ing Personnel	AZK IRAI	R	• •	
-	kground (ppm)			-	Date	MINERE	10,7005		-
	adspace (ppm)			_	Weather	MARINU	OPECAS	T. 1002 (80	K)
						CHANCE		1	
WELL INFOR	MATION					-,,,,,,,	Sample Time	1530	
	e Point Marked?	(Y) N						ESI-05	
	Reference Point	<u> </u>	Mase Emm	GRANI	`		Duplicate ID		
rieigiii (x	Well Diameter	- 14	_ ING45.170III	Charact	,		MS/MSD		
Same	en Interval Depth		Mose Emm	6000LD			Split Sample ID		· · · · · · · · · · · · · · · · · · ·
	ater Table Depth		_		L		Opin Gampio is		
vv:	weil Depth	<del></del>	Meas. From Meas. From		-	Required	Analytical	Parameters:	Collected
i onath r	of Water Column		I Moas. I Tom		-	( )		(Std. list)	( )
_			= 0.8b	GALLONS		( )		(Exp. list)	( )
	of Water in Well of Pump/Tubing		-			( )		OCs	( )
make Depm	or Fumpricomy	72.0	, Micas, Pioni	PERONIN				(Total)	( )
S-5 5-1						( )		Dissolved)	
	nt Identification:	_				$(\boldsymbol{\times})$			\ <b>^</b> \
•	ner (PVC) Casin	~				( )		ganics (Total)	( )
-	Outer (Protective	) casing				( )		nics (Dissolved)	( )
Grade/BGS: G	Ground Surface					( )	•	de (Dissolved)	( )
	(T)					( )	-	de (Dissolved)	( )
Redevelop?	YUV					( )		s/PCDFs	( )
						( )		s/Herbicides	( )
						( )		Attenuation	( )
						( )	Other	(Specify)	( )
EVACUATION	INFORMATION								
P	ump Start Time	420	-						
P	Pump Stop Time	_1680_	-		Evacuation Me	-	•	Pump (XX)	
Minu	utes of Púmping	<del>70</del>	•		Peristaltic Pum		bmersible Pump		ecify ( )
Volume of V	Water Removed	4500	1						
_		<del>-2011</del>	m <u>L</u>		Pump Type:		ALK BLAD	,	
. D	id Well Go Dry?	₹ <b>(</b>	nL.				ALK BLAD thod as evacuation	,	
	•	Y M		ysi 566	Samples collec	cted by same me		n? Y N (speci	
	Water Quality M	Y M		√S1.566 Temp.	Samples collec	cted by same me	thod as evacuation	n? Y N (speci	
i i	Water Quality M	Y (Selecter Type(s) / Se	erial Numbers:	Temp.	Samples collect	ted by same me	COP TUBB	N (Special Property of the second of the sec	fy)
	Water Quality M Pump Rate	eter Type(s) / Se  Total  Gallons	erial Numbers: Water Level	Temp. (Celsius)	Samples collect	Sp. Cond.	COP TURB  Turbidity (NTU)	N (special DIMPTER	ORP
i i	Water Quality M Pump Rate (L/min.)	Y (Selector Type(s) / Selector Type(s)	erial Numbers:	Temp.	MSP +	1ACH ZI Sp. Cond.	COP TURB  Turbidity (NTU)	DO (mg/l)	ORP (mV)
7 Time	Pump Rate (L/min.)	Y Rolleter Type(s) / Se  Total  Gallons- Removed	Water Level (ft TIC)	Temp. (Celsius)	MSP +	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  (SOP TISES  Turbidity  (NTU)  [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
Time 1440 1445	Water Quality M Pump Rate (L/min.)	eter Type(s) / Se  Total  Gallons	Water Level (ft TIC)	Temp. (Celsius) [3%]*	MSP 4  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  (SOP TUBE  Turbidity (NTU) [10% or 1 NTU]*  80	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
7 Time	Pump Rate (L/min.)	Y Rolleter Type(s) / Se  Total  Gallons- Removed	Water Level (ft TIC)	Temp. (Cetsius) [3%]*	MSP + 4  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  (SOP TISES  Turbidity  (NTU)  [10% or 1 NTU]*	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Time 1440 1445	Pump Rate (L/min.)	Y Total Gallons- Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	MSP 4  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  (SDP TISES  Turbidity (NTU) [10% or 1 NTU]*  80  42  24	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* ————————————————————————————————————
Time 1440 1445	Pump Rate (L/min.)	Y Total Gallons- Removed	Water Level (ft TIC) 39.01 39-01	Temp. (Cetsius) [3%]*	MSP + 4  pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  (SOP TUBE  Turbidity (NTU) [10% or 1 NTU]*  80	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]* ————————————————————————————————————
Time 1440 1445 1460 1466	Pump Rate (L/min.)  1070  1070	Total Gellons- Removed 500	Water Level (ft TIC) 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99	MSP + 4  pH  [0.1 units]*   6.83  6.70	Sp. Cond. (mS/cm) [3%]*	## sthod as evacuation  ### COP TISES  Turbidity  (NTU)  [10% or 1 NTU]*  80  42  24-  11  5  4-	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* ————————————————————————————————————
Time  1440  1445  1450  1456  1500	Pump Rate (L/min.)  1080  100  100	Total Gallons Removed 1500 1500	Water Level (ft TIC) 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 [4.87	MSP + 4  pH  [0.1 units]*   6.83  6.70  6.65	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  80  4-2 24-	DO (mg/l) (10% or 0.1 mg/l)*	ORP (mV) [10 mV]* ————————————————————————————————————
Time  1490 1450 1456 1500 1505	Pump Rate (L/min.)  100  100  100  100	Total Gallons Removed 1000 1500 2500	Water Level (ft TIC) 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 4.87 14.55 14.50	MSP, 4  pH  [0.1 units]*   6.83  6.70  6.65  6.64	Sp. Cond. (mS/cm) [3%]*  1.431 1.480 1.485 1.484	## sthod as evacuation  ### COP TISES  Turbidity  (NTU)  [10% or 1 NTU]*  80  42  24-  11  5  4-	DO (mg/l) (10% or 0.1 mg/l)*  6.72  4.17  1.98	ORP (mV) [10 mV]* ————————————————————————————————————
Time  1440 1445 1450 1456 1505 1516	Pump Rate (L/min.)  1080  1080  1080  1080  1080  1080  1080	Total Gallons Removed 5000 1500 2500 3500	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Cetsius) [3%]* [4.99 [4.87 [4.55 [4.50 [4.49 [4.47	MSP, 4  pH  [0.1 units]*   b.83  b.70  b.65  b.64  b.63	Sp. Cond. (mS/cm) [3%]* 	## sthod as evacuation  ## (NDP 71.126)  Turbidity (NTU) [10% or 1 NTU]*  ## 80  ## 42  ## 11  ## 55  ## 4	DO (mg/l) (10% or 0.1 mg/l)*  6.72  4.17  1.98  1.40  1.33	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9
Time  1440  1445  1450  1456  1505  1510  The stabilizate	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Removed  1500  1500  2500  3500  ach field parame	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 4.87 14.55 [4.50 14.47 cutive readings	MSP, 4  pH  [0.1 units]*   b.83  b.70  b.65  b.64  6.63  collected at 3-t	Sp. Cond. (mS/cm) [3%]*  1.481 1.480 [.485 1.484 1.488	Turbidity (NTU) [10% or 1 NTU]*  80  42  24-  11  5  4-  vals) is listed in each	DO (mg/l) (10% or 0.1 mg/l)*  6 · 72  4 · 17  1 · 93  1 · 65  1 · 40  1 · 33  ch column heading.	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9
Time  1440  1445  1450  1456  1505  1510  The stabilizate	Pump Rate (L/min.)  1080  1080  1080  1080  1080  1080  1080	Total Gallons Removed  1500  1500  2500  3500  ach field parame	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 [4.87 [4.55 [4.50 [4.47 [4.47 [4.47] [4.47]	MSP, 4  pH  [0.1 units]*   6.83  6.70  6.65  6.65  6.63  collected at 3-1  PURGE	Sp. Cond. (mS/cm) [3%]*  1.481 1.480 [.485 1.484 1.488	## sthod as evacuation  ## (NDP 71.126)  Turbidity (NTU) [10% or 1 NTU]*  ## 80  ## 42  ## 11  ## 55  ## 4	DO (mg/l) (10% or 0.1 mg/l)*  6 · 72  4 · 17  1 · 93  1 · 65  1 · 40  1 · 33  ch column heading.	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9
Time  1440  1445  1450  1456  1505  1510  The stabilizate	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Removed  1500  1500  2500  3500  ach field parame	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 4.87 14.55 [4.50 14.47 cutive readings	MSP, 4  pH  [0.1 units]*   6.83  6.70  6.65  6.65  6.63  collected at 3-1  PURGE	Sp. Cond. (mS/cm) [3%]*  1.481 1.480 [.485 1.484 1.488	Turbidity (NTU) [10% or 1 NTU]*  80  42  24-  11  5  4-  vals) is listed in each	DO (mg/l) (10% or 0.1 mg/l)*  6 · 72  4 · 17  1 · 93  1 · 65  1 · 40  1 · 33  ch column heading.	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9
Time  1490  1450  1456  1505  1510  The stabilizate	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Removed  1500  1500  2500  3500  ach field parame	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 [4.87 [4.55 [4.50 [4.47 [4.47 [4.47] [4.47]	MSP, 4  pH  [0.1 units]*   6.83  6.70  6.65  6.65  6.63  collected at 3-1  PURGE	Sp. Cond. (mS/cm) [3%]*  1.481 1.480 [.485 1.484 1.488	Turbidity (NTU) [10% or 1 NTU]*  80  42  24-  11  5  4-  vals) is listed in each	DO (mg/l) (10% or 0.1 mg/l)*  6 · 72  4 · 17  1 · 93  1 · 65  1 · 40  1 · 33  ch column heading.	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9
Time  1490  1450  1456  1505  1510  The stabilizate	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Removed  1500  1500  2500  3500  ach field parame	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 [4.87 [4.55 [4.50 [4.47 [4.47 [4.47] [4.47]	MSP, 4  pH  [0.1 units]*   6.83  6.70  6.65  6.65  6.63  collected at 3-1  PURGE	Sp. Cond. (mS/cm) [3%]*  1.481 1.480 [.485 1.484 1.488	Turbidity (NTU) [10% or 1 NTU]*  80  42  24-  11  5  4-  vals) is listed in each	DO (mg/l) (10% or 0.1 mg/l)*  6 · 72  4 · 17  1 · 93  1 · 65  1 · 40  1 · 33  ch column heading.	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9
Time  1440  1445  1450  1456  1505  1516  The stabilizat	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Removed  1500  1500  2500  3500  ach field parame	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 [4.87 [4.55 [4.50 [4.47 [4.47 [4.47] [4.47]	MSP, 4  pH  [0.1 units]*   6.83  6.70  6.65  6.65  6.63  collected at 3-1  PURGE	Sp. Cond. (mS/cm) [3%]*  1.481 1.480 [.485 1.484 1.488	Turbidity (NTU) [10% or 1 NTU]*  80  42  24-  11  5  4-  vals) is listed in each	DO (mg/l) (10% or 0.1 mg/l)*  6 · 72  4 · 17  1 · 93  1 · 65  1 · 40  1 · 33  ch column heading.	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9
Time  1440  1450  1456  1505  1516  The stabilization because the stab	Pump Rate (L/min.)  1070	Total Gallons Removed  1500  1500  2500  3500  ach field parame	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 [4.87 [4.55 [4.50 [4.47 [4.47 [4.47] [4.47]	MSP, 4  pH  [0.1 units]*   6.83  6.70  6.65  6.65  6.63  collected at 3-1  PURGE	Sp. Cond. (mS/cm) [3%]*  1.481 1.480 [.485 1.484 1.488	Turbidity (NTU) [10% or 1 NTU]*  80  42  24-  11  5  4-  vals) is listed in each	DO (mg/l) (10% or 0.1 mg/l)*  6 · 72  4 · 17  1 · 93  1 · 65  1 · 40  1 · 33  ch column heading.	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9
Time  1440  1450  1456  1505  1516  The stabilization because the stab	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Removed  1500  1500  2500  3500  ach field parame	Water Level (ft TIC) 39.01 39.01 39.01 39.01 39.01 39.01	Temp. (Celsius) [3%]* [4.99 [4.87 [4.55 [4.50 [4.47 [4.47 [4.47] [4.47]	MSP, 4  pH  [0.1 units]*   6.83  6.70  6.65  6.65  6.63  collected at 3-1  PURGE	Sp. Cond. (mS/cm) [3%]*  1.481 1.480 [.485 1.484 1.488	Turbidity (NTU) [10% or 1 NTU]*  80  42  24-  11  5  4-  vals) is listed in each	DO (mg/l) (10% or 0.1 mg/l)*  6 · 72  4 · 17  1 · 93  1 · 65  1 · 40  1 · 33  ch column heading.	ORP (mV) [10 mV]* —— 96.2 95.8 95.0 93.9

Well No. ES1-05	Site/GMA Name EART STREET AREA 1 /6MA-
S	Sampling Personnel #75/8/18
	Date OCTO 2005
	Weather CIGNAL OVERCART (CO) (506)
CLI INCODUATION CON POUR 4	CHANCE OF RAIN

<b>WELL INF</b>	ORMATION	- See	Page 1
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Time	Pump Rate	Total Gallons Removed	Water Level (ft TIC)	Temp. (Ceisius) [3%]*	<b>pH</b> [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]*
1520	100	4000	39.01	14.42	6.62	1.482	4	1.28	91.4
1525	100	4500	39.01	14.45	6.62	1.432	4	1.25	91-1
SAMPLE		1530-							
				•					
	s								
			,		1				
					35				
	···								
									-

<u> </u>		<del></del>	
* The stabilization criteria for each field parameter (three co	nsecutive readings collec	ted at 3- to 5-minute interva	ls) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	SEE DOIE	SON PAGE	<u> </u>
	<del></del>		

•							GMA-1		
184 - 15 51	E51-	5 2 D		<b></b>	-/0354 11		ESI -	27172	
	<u> </u>	- C7R		•	n/GMA Name ing Personnel				
Key No.				Sampii	ng rersonnel Date		<del></del>	71	<del></del>
	(ground (ppm)			=	Weather	Olack.	<del>/ ()                                  </del>	7/3	
Abelt Het	idspace (ppm)			=	seemiet.	DIA-F	SUMMY		
WELL INFORM	IATION						Sample Time	17	.: <i>0</i> 0
-	e Point Marked?	· • 6					Sample ID	F-1 -	7710
	rom market: Reference Poin	44	Meas. From	TOE			Dupicate ID		
rangin or i	Well Diameter		C / Incas. r Ioni		÷		MS/MSD		
Scree	n Interval Depth		- 5 Meas. From	THE			Split Sample ID	1	_
	ter Table Depth		Meas. From	4-16.	-		<b>-</b>		
	Well Depth		Meas. From	TIC	-	Required	<u>Analytical</u>	Parameters:	Collected
Length a	f Water Column	8,10	_	- , -		( )	VOCs	(Std. list)	( )
Volume	of Water in Wel	1.32	-	_		( )	VOCs	(Exp. list)	( )
intake Depth	of Pump/Tubing	15"	_ Meas. From	110		( )	sv	/OCs	( )
						( )	PCBs	(Total)	( )و
Reference Poin	t Identification:					$(\nearrow)$	PCBs (	THE PROGRAM	edus
TIC: Top of Inn	er (PVC) Casin	g				( )	Metals/Inor	ganics (Total)	( )
TOG: Top of O	uter (Protective	) Casing				( )	Metals/Inorga	nics (Dissolved)	( )
Grade/BGS: G	round Surface					( )	•	de (Dissolved)	( )
					•	( )	•	de (Dissolved)	( )
Redevelop?	Y (N)					( )	<del></del>	s/PCDFs	( )
	•					( )		s/Herbicides	( )
						( )		Attenuation	( )
		_				( )	Other	(Specify)	( )
EVACUATION		0.00	)						
	ump Start Time	12:50	<u>-</u>		Consusting Man	thod: Bailer (	) 8ladder P	X 1/2	
	ump Stop Time tes of Pumping	140	-		Evacuation Me Peristatic Pum	•	) oracier r bmersible Pump (	/	elfa ( )
	vater Removed	2-09%	11005						· ,
TOTAL COLUMN						/"   DL V Z c		itema Umi	
Di		~~			Pump Type: Samples collec		thod as evacuation	or and the second	
. Di	d Well Go Dry?	Y (1)					ethod as evacuation	estate.	ý)
•	d Well Go Dry?	~~						estate.	ý)
•	d Well Go Dry? Water Quality i	Y N	erial Numbers:		Samples collec	ted by same me	ethod as evacuation	N (specif	
<u> </u>	d Well Go Dry? Water Quality N	Y (N)  Meter Type(s) / S  Total	erial Numbers:	Temp.		ted by same me	thod as evacuation	N (specif	ORP **
•	d Well Go Dry?  Water Quality it  Pump  Rate	Y N  Meter Type(s) / S  Total  Gallons	erial Numbers: Water Level	(Celsius)	Samples collect	Sp. Cond.	thod as evacuation  Turbidity  (NTU)	DO (mg/l)	ORP 🏞
<u> </u>	d Well Go Dry?  Water Quality &  Pump  Rate (L/min.)	Y N  Neter Type(s) / S  Total Gailons Removed	erial Numbers:		Samples collec	ted by same me	thod as evacuation  Turbidity  (NTU)	N (specif	ORP **
<u> </u>	d Well Go Dry?  Water Quality it  Pump  Rate	Y N  Meter Type(s) / S  Total  Gallons	erial Numbers: Water Level	(Celsius)	Samples collect	Sp. Cond.	thod as evacuation  Turbidity  (NTU)	DO (mg/l)	ORP 🏞
<u> </u>	d Well Go Dry?  Water Quality &  Pump  Rate (L/min.)	Y N  Neter Type(s) / S  Total Gailons Removed	erial Numbers:  Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond.	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
<u> </u>	d Well Go Dry?  Water Quality &  Pump  Rate (L/min.)	Y N  Neter Type(s)/S  Total Gailons Removed O.19	erial Numbers: Water Level	(Celsius)	Samples collect	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l)	ORP 🏞
<u> </u>	d Well Go Dry?  Water Quality &  Pump  Rate (L/min.)	Y N  Neter Type(s) / S  Total Gailons Removed	erial Numbers:  Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
10:07 10:07	d Well Go Dry?  Water Quality &  Pump  Rate (L/min.)	Y (N)  Neter Type(s)/S  Total Gallons Removed O.19 91423	erial Numbers:  Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
10:07 10:07	d Well Go Dry?  Water Quality &  Pump  Rate (L/min.)	Y N  Actor Type(s)/S  Total Gallons Removed O.19 O.42  7.03 O.49 O.56	erial Numbers:  Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
10:07 10:07	d Well Go Dry?  Water Quality &  Pump  Rate (L/min.)	Y (N)  Neter Type(s)/S  Total Gallons Removed  O.19  9:42  71,03  O.49  O.56	Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
10:07 10:07	d Well Go Dry?  Water Quality &  Pump  Rate (L/min.)	Y N  Actor Type(s)/S  Total Gallons Removed O.19 O.42  7.03 O.49 O.56	erial Numbers:  Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
10:07 10:07	Pump Rate (L/min.) / 0 0 / 00 50 50	Total Gailons Removed  O.19  O.42  O.49  O.56  O.69  O.86	Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
10:07 10:07	Water Quality No.  Pump Rate (L/min.) / 0 0 / 00 50 50 50 50	Y N  Neter Type(s)/S  Total Gailone Removed  0.19  9:423  0.49  0.56  0.69  0.99	Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
10:07 10:07	Pump Rate (L/min.) / 0 0 / 00 50 50	Total Gailons Removed  O.19  O.42  O.49  O.56  O.69  O.86	Water Level (ft TIC)	(Celsium) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
10.07 10.07 10.26 10.36 10.36 10.56 10.56	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Y N  Actor Type(s)/S  Total Gallons Removed  0.19 0.42  7.72  0.49 0.56 0.69 0.99 /.12	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time  10.07  10.07  10.36  10.36  10.36  10.50  10.50  10.50  The stabilization	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Y N  Actor Type(s)/S  Total Gallons Removed  0.19 0.42  7.72  0.49 0.56 0.69 0.99 /.12	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time  10.07  10.07  10.36  10.36  10.36  10.50  10.50  10.50  The stabilization	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  91423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time  10.07  10.07  10.36  10.36  10.36  10.50  10.50  10.50  The stabilization	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  91423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time  10.07  10.07  10.36  10.36  10.36  10.50  10.50  10.50  The stabilization	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  91423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time  10.07  10.07  10.36  10.36  10.36  10.50  10.50  10.50  The stabilization	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  91423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time  10.07  10.07  10.36  10.36  10.36  10.50  10.50  10.50  The stabilization	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  91423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time    0.01   0   0   0   0   0   0   0   0   0	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  91423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time  10.01  10.01  10.36  10.36  10.56  10.56  The stabilization	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  97423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Colsius) [3%]"  [6], 44	pH  (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time  10.01  10.01  10.36  10.36  10.56  *The stabilization  OBSERVATION  SAMPLE DEST	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  97423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Celeium) [3%]*  JC; YC  sutive readings of	pH  (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*
Time    0.07   0   0   0   0   0   0   0   0   0	Water Quality in Pump Rate (L/min.)  / 0 0  / 00	Acter Type(s)/S  Total Gailons Removed  O.19  97423  O.49  O.56  O.69  O.82  O.99  /.12  ach field parameter	Water Level (ft TIC)  //. 63	(Celeium) [3%]*  JC; YC  sutive readings of	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  330 330 330 335 246 186	DO (mg/l) [10% or 0.1 mg/l]*	ORP **. (mV) [10 mV]*

Well No. E51-27R

Site/GillA Name
Sampling Personnel
Date
Weather

Site/GillA Name
SEK

,	Pamp	Total	Water	Temp.	pН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons	Level	(Celsius)		(mS/cm)	(NTU)	(mg/f)	(mV)
	(L/min.)	Removed	(ft TIC)	[3%]*	[0,1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]*
11:33	2	1.33	1900	3381	7.SS	0.384	20	13.92	3301
11:27	50	1.40	19.09	23.20	7.54	0.382	24	8.39	3388
11:39	50	1.47	19:09	2363	7. <u>SY</u>	<u>0,380</u>	39	325	<u>33). ()</u>
11:37	S	134	19:09	2348	7.54	0.381	/8	388	<u> </u>
11:43	20	1.61	19.00	23 74	7.54	0.00	15	3.31	57/8
11:47	50	1.68	1500	23.74	78 <u>4</u>	0381	19	5.30	3296
11:23	50	1.75	13.00	3380	7.51	0.31	11	2 2/0	330°J
11:57	<u>SO</u>	1.82	19:09	23.89	) SM	10.0XI	19	3 34	330.8
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	tion criteria for ea			cutive readings	collected at 3- to	5-minute interv	als) is listed in eac	h column heading.	
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WELL INFORM Reference	dapace (ppm) ATION Point Marked?	<del></del>			Weather	Dietas	t, white	~	
Reference Height of F									
Reference Height of F							Sample Time	C-SHA/-	111
Height of F	1. Old (Castel trace)	. Y N					Semple ID	ESAIN-S	3
_	Reference Point		Meas, From						
Screen	Well Diameter				•		MS/MSD		
/ 51 Was	Interval Depth	2-77	Meas, From				Split Sample ID		
	ter Table Depth	1404	Million From	TIC					
<del>-</del>	Well Depth	15164	Meas, From	TIC_		Required		Parameters:	Collected
Length of	Water Column	853	<b>U</b>			( )		(Std. list)	( )
		7.393		-40		( )		(Exp. list) 'OCs	( )
intake Depth o	of Pump/Tubing	222	Meas, From	T/C	And a	( )		(Total)	( )
Reference Point	I Identification	10 775			,- ( <del>4</del>	4 (X)		Dissolved)	
TIC: Top of inn		5				~;		ganics (Total)	( )
TOC: Top of O		-				( )		nics (Dissolved)	( )
Grade/BGS: G	· ·					( )	EPA Cyanic	ie (Dissolved)	( )
	$\langle \cdot \rangle$					( )	PAC Cyanii	le (Dissolved)	( )
Redevelop?	Y ()W/					( )		s/PCDFs	( )
						( )	Pesticide	s/Herbicides	( )
						( )		Attenuation	( )
						( )	Otner	(Specify)	( )
Pt Minut Volume of W Did	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?	1001 1120 119 2.25	ullons	Ve : 55	Peristaltic Purn Pump Type: ( Samples collect	ted by same me	omersible Pump (	n? Y N (specif	
Pt Pt Minu Volume of W Did	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?	1001 1120 119 2.25	ullons	√s, 55	Peristaltic Purn Pump Type: ( Samples collect	ted by same me	omersible Pump(	) Other/Spe	
Pt Pt Minu Volume of W Did	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?	1001 1120 119 2.25	ullons	√S / 55 Temp.	Peristaltic Purn Pump Type: ( Samples collect	ted by same me	omersible Pump (	) Other/Spe	y)
Pt Pt Minu Volume of W Did	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?  Water Quality It  Pump Rate	ICOI ICO ICO ICO ICO ICO ICO ICO ICO ICO	Gerial Numbers:	Temp. (Celsius)	Peristaltic Pum Pump Type: ( Samples collect  ( ph	Sp. Cond.	thod as evacuation  Turbidity (NTU)	Other/Spe  Y N (specif	ORP (mV)
Pt Pt Minu Volume of W Di	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?  Water Quality I	ICOI ICO ICO ICO ICO Y Actor Type(s)/S	Water Level (ft TIC)	Temp.	Peristaltic Pum Pump Type: ( Samples collect	p (x) Sut	thod as evacuation  Turbidity (NTU)	) Other/Spe n? Y N (specif	y)
Pt Pt Minu Volume of W Di	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?  Water Quality It  Pump Rate	ICOI ICO ICO ICO ICO ICO ICO ICO ICO ICO	Gerial Numbers:	Temp. (Celsius)	Peristaltic Pum Pump Type: ( Samples collect  ( ph	Sp. Cond.	thod as evacuation  Turbidity (NTU)  [10% or 1 NTU]*	Other/Spe  Y N (specif	ORP (mV)
Pt Pt Minu Volume of W Di	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?  Water Quality It  Pump Rate	IODÍ IIG Z.25 Y R  Meter Type(s)/S  Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius)	Peristaltic Pum Pump Type: ( Samples collect  ( ph	Sp. Cond.	thod as evacuation  Turbidity (NTU)	Other/Spe  Y N (specif	ORP (mV)
Pt Pt Minu Volume of W Di	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?  Water Quality N  Pump Rate (Limin.)	IODI ICZC ICG Z.25. Y (D)  Refer Type(s)/S  Total Gallons Removed O.06	Water Level (ft TIC)	Temp. (Celsius)	Peristaltic Pum Pump Type: ( Samples collect  ( ph	Sp. Cond.	thod as evacuation  Turbidity (NTU)  [10% or 1 NTU]*	Other/Spe  Y N (specif	ORP (mV)
Property Minus  Volume of Work  Dis  Time  // 00 8 // 0/3	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?  Water Quality N  Pump Rate (Limin.)	IODI ILZO IIG Z.Z.S. Y (R)  Meter Type(s)/S  Total Gallons Removed O.06 O.19	Water Level (ft TIC)	Temp. (Celsius)	Peristaltic Pum Pump Type: ( Samples collect  ( ph	Sp. Cond.	thod as evacuation  FOSIG  Turbidity (NTU)  [10% or 1 NTU]*	Other/Spe  Y N (specif	ORP (mV)
Property Minus Volume of Woods  Time  1003 1008 1013	ump Start Time ump Stop Time les of Pumping fater Removed d Well Go Dry?  Water Quality if  Pump Rate (Limin.)	1001 1120 119 2.25 Y (R) Neter Type(s)/S Gallons Removed 0.06 0.19	Water Level (RTIC)  6.51  6.67  7.20	Temp. (Celsius)	Peristaltic Pum Pump Type: ( Samples collect  ( ph	Sp. Cond.	thod as evacuation  FOSI 9  Turbidity (NTU) [10% or 1 NTU]*  FOSI  OUT  OUT  OUT  OUT  OUT  OUT  OUT  OU	Other/Spe  Y N (specif	ORP (mV)
Property Minus Volume of Work Dis  Time  1003 1008 1013 1018 1018	Imp Start Time Imp Stop Time les of Pumping later Removed d Well Go Dry?  Water Quality for Pump Rate (Limin.)	1001 1120 119 2.25 Y (R) Meter Type(s)/S Gellons Removed 0.06 0.19 0.32	Water Level (RTIC) 6.51 6.67 7.20 7.85 8.75	Temp. (Celsius)	Peristaltic Pum Pump Type: ( Samples collect  ( ph	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)*  93	Other/Spe  Y N (specif	ORP (mV)
Property Minus  Volume of Wood  Time  1003  1008  1013  1018  1032	Imp Start Time Imp Stop Time les of Pumping fater Removed d Well Go Dry?  Water Quality fi  Pump Rate (Limin.)  /// 5  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  /// 0  // 0	1001 1120 119 2.25 Y (R) Netter Type(s)/S Gallons Removed 0.06 0.19 0.32 0.45 0.59	Water Lovel (ft TIC)  6.51  7.20  7.85  8.45	Temp. (Celaius) [3%]*	Peristaltic Pum Pump Type: ( Samples collect  L. M.O.S.  pH  [0.1 units]*	Sp. Cond.	thod as evacuation  FOSIG  Turbidity (NTU)  10% or 1 NTU  93  64  36	Other/Spe  Y N (specif  4.7  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
Property Minus Volume of Work Dis  Time  1003 1008 1013 1018 1018	ump Start Time ump Stop Time les of Pumping later Removed d Well Go Dry?  Water Quality N  Pump Rate (L/min.)  /// C	1001 1120 119 2.25 Y (R) Aeter Type(s)/S Gallons Removed 0.06 0.19 0.32 0.45	Water Level (RTIC) 6.51 6.67 7.20 7.85 8.75	Temp. (Celnius) [3%]*	Peristaltic Pum Pump Type: ( Samples collect  pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  FOSIG  Turbidity (NTU)  10% or 1 NTU  93  64  36	Other/Spe  Y N (specif  4.T  DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)

Welf No. <u>52</u>	Site/GMA Name	East Street Area I	Month
	Sampling Personnel	MAN TON	
	Date	10/4/05	l l
	Weather	Dreast wan	
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Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) (3%]*	<b>pH</b> [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]*
1047	100	1.22	2.72	17.55	6.95	0.557		1846	-58.0
1052	100	1-36	<b>4.</b>			0563		13.86	
1054	100	1.49	_			0.573		14.12	-62.5
1002	100	1.62	945	17.44	707	0.580	10	10.03	-104
1107	100	1-75	9.12	17.37	708	0.584	10	10.73	-74.7
1110	100	1.83	9.19	17.39	7.09	0 586	//	10.75	-80.2
1113	100	1.91				0.586	10	10.78	-827
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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.										
OBSERVATI	ONS/SAMPLING	METHOD DEVL	ATIONS							

Key No.	15-29		<u></u>			MES/MA		er/GMA	
•	kground (ppm)			-	Date		74, 200	5	
	adspace (ppm)			•	Weather				NY, 70
WELL INFOR	MATION						Sample Time	12:45	•
	e Point Marked?	(P) N						25-29	
	Reference Point	9	Meas, From	GLOUND			Duplicate ID		
	Well Diameter	2"			•		MSAMSD	_	
Scree	en Interval Depth		Meas. From	GROUNS	<b>&gt;</b> .		Split Sample ID		
W	ater Table Depth	15.12	Meas. From	_T1C					
	Well Depth	34.58	Meas. From			Required	Analytical	Parameters:	Collected
Length o	of Water Column	19.46		ll asa s		( )	VOCs	(Std. list)	( )
Volume	of Water in Well	-460 TE	5 3.17 gm	(1/2)		( )		(Exp. list)	( )
intake Depth	of Pump/Tubing	29.00	Meas. From	CHOUND	?	( )		OCs	( )
						( )		(Total)	( )
	nt Identification:					( <b>X</b> )	•	Dissolved)	$(\mathbf{X})$
•	ner (PVC) Casing					( )		ganics (Total)	( )
•	Outer (Protective)	Casing				( )	_	nics (Dissolved)	( )
Grade/BGS: G	Bround Surface	•				( )		le (Dissolved)	( )
m. JI 0	<i>پ</i> ر					( )		ie (Dissolved) s/PCDFs	( )
Redevelop?	YW					( )		/Herbicides	( )
						( )		Attenuation	( )
						( )		(Specify)	( )
EVACUATION	INFORMATION					, ,	<b>Q1.0.</b>	(opouny)	,
	ump Start Time	0.36							
	omp Stop Time		-		Evacuation Me	thod: Bailer (	) Bladder P	ump ( )	
	utes of Pumping		-		Peristaltic Pum		bmersible Pump (		cify ( )
	Water Removed		lone			GEORIN		•	
	oid Well Go Dry?				= -		thod as evacuation	? Y N (specif	v)
	•								
	Water Quality N	leter Type(s) / S	erial Numbers:	YS1 55%	MSP, t	(ACH TIX	2BIDIMETE	R	<u>.                                </u>
	Water Quality N	leter Type(s) / S	erial Numbers:	VSI 556	MSP, t	(ACH TI)(	2B1D1METE	DO DO	ORP
Time	T		T	T	<u> </u>	·			, ORP (mV)
Time	Pump	Total	Water	Temp.	<u> </u>	Sp. Cond.	Turbidity (NTU)	DO	
Time	Pump Rate	Total -Gallons	Water Level	Temp. (Celsius)	рH	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	(mV)
	Pump Rate	Total -Gallons	Water Level (ft TIC)	Temp. (Celsius)	рH	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	(mV)
1140	Pump Rate (Limin.)	Total Claffone Removed	Water Level (ft TIC) 15.12	Temp. (Celsius)	рH	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	(mV)
1140	Pump Rate n-(L/min.)	Total - Garlions - Removed	Water Level (ft TIC) 15.12	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 57-	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
1140 1145 1 <i>1</i> 55	Pump Rate (f(L/min.)	Total Gaillone Removed	Water Level (RTIC) 15.12 15.12	Temp. (Colsius) [3%]"	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 57- 38	DO (mg/l) [10% or 0.1 mg/l]*	(mv) [10 mv]*
1140 1145 1/55 1200	Pump Rate (n-(L/min.)	Total - Gellone - Removed	Water Level (RTIC) 15.12 15.12 15.12	Temp. (Cotsius) [3%]" — — [5.29	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 	Turbidity (NTU) [10% or 1 NTU]* 57- 38- 35-	DO (mg/l) [10% or 0.1 mg/l] <sup>2</sup> ————————————————————————————————————	(mv) [10 mv]* ————————————————————————————————————
1140 1145 1155 1200	Pump Rate n-{L/min.}  100 100 100 100	Total	Water Level (RTIC) 15.12 15.12 15.12 15.11	Temp. (Celsius) [3%]* - !5.29 [4.24	pH [0.1 units]* 7.82 7.84 7.86	Sp. Cond. (mS/cm) [3%]* 	Turbidity (NTU) [10% or 1 NTU]* 57- 38- 35- 33- 19	DO (mg/l) [10% or 0.1 mg/l]* 9.69 6.35	(mv) [10 mv]*  15.3 2.7 -7.6
1140 1145 1200 1205 1210 1215 1220	Pump Rate (n(L/min.)  100  100  100  100  100  100	Total	Water Level (RTIC) 15.12 15.12 15.12 15.12 15.12 15.12	Temp. (Colsius) [3%]" 	7.82 7.82 7.84 7.53 7.53	Sp. Cond. (mS/cm) [3%]*  0.55b 0.55b 0.5bb	Turbidity (NTU) [10% or 1 NTU]* 57- 38 35 35 [9 [5]	DO (mg/l) [10% or 0.1 mg/l]   9.69  6.35  5.91  5.75  5.54	(mv) [10 mv]*  15.3 2.7 -7.6 -11.3
1140 1145 1200 1205 1210 1215 1220	Pump Rate (n(L/min.)  100  100  100  100  100  100	Total	Water Level (RTIC) 15.12 15.12 15.12 15.12 15.12 15.12	Temp. (Colsius) [3%]" 	7.82 7.82 7.84 7.53 7.53	Sp. Cond. (mS/cm) [3%]*  0.55b 0.55b 0.5bb	Turbidity (NTU) [10% or 1 NTU]* 57- 38 35 35 [9 [5]	DO (mg/l) [10% or 0.1 mg/l]   9.69  6.35  5.91  5.75  5.54	(mv) [10 mv]*  15.3 2.7 -7.6 -11.3 -13.4
1140 1145 1200 1205 1210 1215 1270	Pump Rate (n(L/min.)  100  100  100  100  100  100	Total	Water Level (RTIC) 15.12 15.17 15.12 15.12 15.12 15.12 15.12 15.12 ter (three conse	Temp. (Colsius) [3%]"	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.556 0.556 0.566 0.566 0.566	Turbidity (NTU) [10% or 1 NTU]*  57  38  35  19  15	DO (mg/l) [10% or 0.1 mg/l]   9.69  6.35  5.91  5.75  5.54	(mv) [10 mv]*  15.3 2.7 -7.6 -11.3 -18.4 -15.6
1140 1145 1200 1205 1210 1215 1270	Pump Rate n-(L/min.)  100 100 100 100 100 100 100 100 100 1	Total	Water Level (RTIC) 15.12 15.17 15.12 15.12 15.12 15.12 15.12 15.12 ter (three conse	Temp. (Colsius) [3%]"	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.556 0.556 0.566 0.566 0.566	Turbidity (NTU) [10% or 1 NTU]*  57  38  35  19  15	DO (mg/l) [10% or 0.1 mg/l] 9.19 6.35 5.91 5.75 5.54 5.46 a column heading.	(mv) [10 mv]*  15.3 2.7 -7.6 -11.3 -18.4 -15.6
1140 1145 1200 1205 1210 1215 1270	Pump Rate n-(L/min.)  100 100 100 100 100 100 100 100 100 1	Total	Water Level (RTIC) 15.12 15.17 15.12 15.12 15.12 15.12 15.12 15.12 ter (three conse	Temp. (Colsius) [3%]"	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.556 0.556 0.566 0.566 0.566	Turbidity (NTU) [10% or 1 NTU]*  57  38  35  19  15	DO (mg/l) [10% or 0.1 mg/l] 9.19 6.35 5.91 5.75 5.54 5.46 a column heading.	(mv) [10 mv]*  15.3 2.7 -7.6 -11.3 -18.4 -15.6
1140 1145 1200 1205 1210 1215 1270	Pump Rate  (Cl/min.)  IOO  IOO  IOO  IOO  IOO  IOO  IOO  I	Total	Water Level (RTIC) 15.12 15.17 15.12 15.12 15.12 15.12 15.12 15.12 ter (three conse	Temp. (Colsius) [3%]"	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.556 0.556 0.566 0.566 0.566	Turbidity (NTU) [10% or 1 NTU]*  57  38  35  19  15	DO (mg/l) [10% or 0.1 mg/l] 9.19 6.35 5.91 5.75 5.54 5.46 a column heading.	(mv) [10 mv]*  15.3 2.7 -7.6 -11.3 -18.4 -15.6
1140 1145 1200 1205 1210 1215 1220 The stabiliza OBSERVATIO	Pump Rate nr(L/min.)  IOO IOO IOO IOO IOO IOO IOO STINATION	Total	Water Level (RTIC) 15.12 15.17 15.12 15.12 15.12 15.12 15.12 15.12 ter (three conse	Temp. (Colsius) [3%]"	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.556 0.556 0.566 0.566 0.566	Turbidity (NTU) [10% or 1 NTU]* 57 38 35 19 15 11 10 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	(mv) [10 mv]*   15.3  2.7  -7.6  -11.3  -13.4  -15.6
1140 1145 1200 1205 1210 1215 1220 *The stabiliza OBSERVATIO	Pump Rate  (Cl/min.)  100  100  100  100  100  100  100  1	Total	Water Level (RTIC) 15.12 15.17 15.12 15.12 15.12 15.12 15.12 15.12 ter (three conse	Temp. (Colsius) [3%]"	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 0.556 0.556 0.566 0.566	Turbidity (NTU) [10% or 1 NTU]* 57 38 35 19 15 11 10 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	(mv) [10 mv]*   15.3  2.7  -7.6  -11.3  -13.4  -15.6
1140 1145 1200 1205 1210 1215 1220 *The stabiliza OBSERVATION SAMPLE DES Laboratory Delivered Vis	Pump Rate  (Cl/min.)  100  100  100  100  100  100  100  1	Total	Water Level (RTIC) 15.12 15.17 15.12 15.12 15.12 15.12 15.12 15.12 ter (three conse	Temp. (Colsius) [3%]"	7.82 7.82 7.53 7.53 7.53	Sp. Cond. (mS/cm) [3%]* 0.556 0.556 0.566 0.566	Turbidity (NTU) [10% or 1 NTU]* 57 38 35 19 15 11 10 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l] 9.19 6.35 5.91 5.75 5.54 5.46 a column heading.	(mv) [10 mv]*   15.3  2.7  -7.6  -11.3  -13.4  -15.6

Well No. 18-29	Site/GMA Name	LYMAN STREET AREA  GMAI
	Sampling Personnel	
	Date	OCTORES 4, 2008
		con 1605) Overchet

Tkne	Pump Rate (Limin.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pHi [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]*
1225	50	4000	15.12	14.67	7.52	0.54	10	5.13	-21-2
1230	160	4500	15.12	14-1b	7.51	0.572	5	5.18	-21.7
1235	100	5∞	15.12	14.16	7.50	0.572	4	5-16	-20.4
1240	100	<i>850</i> 0	15.12	14·1b	7.48	0.572	4-	5.14	-19.7
SAMPLE	TIME 12	A6	-						
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i .						l			

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

Well No						71-2	<u> </u>	ea lemai	
Key No				Sampi	ling Personnel	455			
	ckground (ppm			-	Date	COLORE	25,2006	16-5 (100	011100
TTEN FIG	eadspace (ppm)		* .	<del>-</del> .	Weather	oncor	· WHEM C	7CB), CLEAN	COLIED
VELL INFOR	MATION						Sample Time	1105	÷
Reference	ce Point Marked	? 🕜 N						1880-08	
Height of	f Reference Poir	n <u>-0.28</u>	Meas From	GROUN	D		Duplicate ID		
	Well Diamete				_		MS/MSD		
	en Interval Dept		-	GROUN	D		Split Sample ID		
w	ater Table Depti Well Depti		Meas. From Meas. From		-	Required	Anabéical	Parameters:	Collecte
Length (	of Water Column				_	( )		(Std. list)	( )
_	of Water in We		0.35	gallons		( )		(Exp. list)	( )
Intake Depth	of Pump/Tubing		Meas. From		-	( )	S\	/OCs	( )
						( )	PCBs	s (Total)	( )
	int Identification:					( X)		Dissolved)	(X)
-	iner (PVC) Casir Outer (Protective	=				( )		rganics (Total)	( )
-	Juler (Prolective Ground Surface	r) odanig				( )	-	nics (Dissolved) de (Dissolved)	( )
						( )	_	de (Dissolved)	( )
edevelop?	Y (N)					( )	•	s/PCDFs	( )
						( )	Pesticide	s/Herbicides	( )
						( )	Natural a	Attenuation	( )
						( )	Other	(Specify)	( )
	INFORMATION								
P P Minu Volume of V	Pump Start Time Pump Stop Time utes of Púmping Water Removed	0920 1120 120 16.000	- - ml		Evacuation Me Peristaltic Pum Pump Type: Samples collec	ip() si <u>MARSCH</u>	Ibmersible Pump IALK BLAD	DERPUMP	
P Mint Volume of V	Pump Start Time Pump Stop Time utes of Pumping Water Removed id Well Go Dry?	0920 1120 120 16.000		YSI ESI	Peristaltic Pum Pump Type: Samples collect	np() Si <u>MAPSCH</u> cted by same m	ubmersible Pump	( ) Other/Sp DER PUMP n? Y N (speci	
P Minu Volume of V D	Pump Start Time Pump Stop Time utes of Púmping Water Removed id Well Go Dry?  Water Quality N  Pump Rate	O92C 112C 12C 10.COOT Y N	erial Numbers: Water Level	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collec	IP ( ) SI MAPSCH Cted by same mi (ACH TD) Sp. Cond. (mS/cm)	ubmersible Pump (IALK BLAD) ethod as evacuation (PLDINETZ Turbidity (NTU)	( ) Other/Sp DEP PUND n? Y N (speci	ORP (mV)
P Minu Volume of V D	Pump Start Time Pump Stop Time utes of Púmping Water Removed id Well Go Dry? Water Quality N	0920 1120 120 10,000 Y N	Water Level (ft TIC)	Temp.	Peristaltic Pum Pump Type: Samples collect	np ( ) Si MAPSCH cted by same m (ACH TD)i	Turbidity [10% or 1 NTU]*	( ) Other/Sp DEP PUND n? Y N (speci	ORP (mV) [10 mV]*
P P Minu Volume of V D	Pump Start Time Pump Stop Time utes of Púmping Water Removed id Well Go Dry?  Water Quality N  Pump Rate	O92C 112C 12C 10.COOT Y N	erial Numbers: Water Level	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collec	IP ( ) SI MAPSCH Cted by same mi (ACH TD) Sp. Cond. (mS/cm)	ubmersible Pump (IALK BLAD) ethod as evacuation (PLDINETZ Turbidity (NTU)	( ) Other/Sp DEP PUND n? Y N (speci	ORP (mV)
Minu Volume of V D	Pump Start Time Pump Stop Time utes of Púmping Water Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)	O92C 112C 12C 10.COOT Y N	Water Level (ft TIC)	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collec	IP ( ) SI MAPSCH Cted by same mi (ACH TD) Sp. Cond. (mS/cm)	Turbidity [10% or 1 NTU]*	( ) Other/Sp DEP PUND n? Y N (speci	ORP (mV) [10 mV]*
Minu. Volume of V  Time  2936	Pump Start Time Pump Stop Time utes of Púmping Water Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)	O920 i120 i120 i20 iDnCCOr y N  Meter Type(s)/S  Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect MPS  pH  [0.1 units]*	IP ( ) SI MAPSCH Cted by same mi (ACH TD) Sp. Cond. (mS/cm)	thomersible Pump of ALK BLAD athod as evacuation as evacua	( ) Other/Sp DEP PUND n? Y N (speci	ORP (mV) [10 mV]*
Volume of N D Time	Pump Start Time Pump Stop Time Intes of Púmping Water Removed id Well Go Dry? Water Quality N Pump Rate (Umin.)    CC	O920 i120 i120 i120 y N  Meter Type(s)/S  Total Gallons Removed	Water Level (ft TIC) /2.39 12.45	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect MPS  pH  [0.1 units]*	Sp. Cond.  (mS/cm)  [3%]*	the purple of th	( ) Other/Sp DEP PUND n? Y N (speci	fy)  ORP  (mV)  [10 m∨]*
Volume of V D Time 0936 0946	Pump Start Time Pump Stop Time utes of Púmping Water Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  / CO  / CO	O920 i120 i120 i20 iDicOOr y N  Meter Type(s)/S  Total Gallons Removed	Water Level (ft TIC) 12.89 12.45 12.49 12.50	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect MPS  pH  [0.1 units]*	Sp. Cond.  (mS/cm)  [3%]*	thomersible Pump (ALK BLAD) athod as evacuation (PLD) (ETZ) Turbidity (NTU) [10% or 1 NTU]*  578  432	( ) Other/Sp DEP PUND n? Y N (speci	fy)  ORP  (mV)  [10 m∨]*
Volume of V Time 0936 0946 0950	Pump Start Time Pump Stop Time Pump Stop Time Ites of Púmping Water Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)    1570   1570   1570   1570	O920 i120 i120 i120 i120 i10000 y N  Meter Type(s)/S  Total Gallons Removed  500 1500 2000	Water Level (ft TIC)  12.39 12.45 12.49 12.50	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect MPS  pH  [0.1 units]*	Sp. Cond.  (mS/cm)  [3%]*	the purple of th	( ) Other/Sp DEP PUND n? Y N (speci	fy)  ORP (mV)  [10 m∨]*
Time  0936 0946 0966	Pump Start Time Pump Stop Time Justes of Púmping Water Removed Id Well Go Dry? Water Quality N Pump Rate (Umin.)  ICO ICO ICO ICO	0920 i120 i20 iDicODI y (N) Meter Type(s)/S Total Gallons Removed 	Water Level (ft TIC) 12.39 12.45 12.49 12.50 12.50	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect MPS  pH  [0.1 units]*	Sp. Cond.  (mS/cm)  [3%]*	the pump of the pu	DO (mg/l)	fy)  ORP (mV)  [10 m∨]*
Minu. Volume of V  Time  2936 0946 3946 0966	Pump Start Time Pump Stop Time Utes of Púmping Water Removed id Well Go Dry?  Water Quality N  Pump Rate (L/min.)  / 670  / 670  / 670	0920 i120 i20 i120 i120 i120 i120 incomos Y N N Notal Gallons Removed 	Water Level (ft TIC) 12.39 12.45 12.49 12.50 12.50 12.50	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect MPS  pH  [0.1 units]*	Sp. Cond.  (mS/cm)  [3%]*	thomersible Pump (ALK BLAD) athod as evacuation (BLDINIETZ)  Turbidity (NTU) [10% or 1 NTU]*  578  432  319  286  194  187	DO (mg/l)	ORP (mV) [10 mV]*
Time  0936 0946 0946 0956	Pump Start Time Pump Stop Time Justes of Púmping Water Removed id Well Go Dry? Water Quality N  Pump Rate (Umin.)  JCTO	0920 1120 120 15000 Y (N) Neter Type(s) / S Total Gallons Removed 500 1500 2000 2500 3000	Water Level (ft TIC) 12.39 12.45 12.49 12.50 12.50 12.50 12.50	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collect MPS	Sp. Cond. (mS/cm) [3%]*	the pump of the pu	DO (mg/l) [10% or 0.1 mg/l]*	fy)  ORP  (mV)  [10 m∨]*
Volume of No. 2016  Time  2936 2946 2946 2960 2965 0000 005 he stabilizati	Pump Start Time Pump Stop Time Justes of Púmping Water Removed id Well Go Dry? Water Quality N  Pump Rate (Umin.)  JCTO	### 1920   1120   120	Water Level (ft TIC)  12.39  12.49  12.50  12.50  12.50  12.50  12.50  12.50  12.50	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collected at 3- tr	Sp. Cond. (ms/cm) [3%]*	the pump of the pu	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Volume of No. 2016  Time  2936 2946 2946 2960 2965 0000 005 he stabilizati	Pump Start Time Pump Stop Time Juster Removed Juster Quality N  Pump Rate (Umin.)  JUST  J	### 1920   1120   120	Water Level (ft TIC)  12.39  12.49  12.50  12.50  12.50  12.50  12.50  12.50  12.50	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collected at 3- tr	Sp. Cond. (ms/cm) [3%]*	thomersible Pump (ALK BLAD) athod as evacuation (BIDINIETZ)  Turbidity (NTU) [10% or 1 NTU]*  578  432  319  286  194  187  149  103  vals) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time  2936 0940 1946 0955	Pump Start Time Pump Stop Time Juster Removed Juster Quality N  Pump Rate (Umin.)  JUST  J	### 1920   1120   120	Water Level (ft TIC)  12.39  12.49  12.50  12.50  12.50  12.50  12.50  12.50  12.50	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collected at 3- tr	Sp. Cond. (ms/cm) [3%]*	thomersible Pump (ALK BLAD) athod as evacuation (BIDINIETZ)  Turbidity (NTU) [10% or 1 NTU]*  578  432  319  286  194  187  149  103  vals) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time  2936 2946 2946 2955 2955 2055 2055 2055 2055	Pump Start Time Pump Stop Time Juster Removed Juster Quality N  Pump Rate (Umin.)  JUST  J	### 1920   1120   120	Water Level (ft TIC)  12.39  12.49  12.50  12.50  12.50  12.50  12.50  12.50  12.50	Temp. (Celsius) [3%]*	Peristaltic Pum Pump Type: Samples collected at 3- tr	Sp. Cond. (ms/cm) [3%]*	thomersible Pump (ALK BLAD) athod as evacuation (BIDINIETZ)  Turbidity (NTU) [10% or 1 NTU]*  578  432  319  286  194  187  149  103  vals) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*

Well No. <u>/SS C - 08S</u> Site	VGMA Name LVMAN STREET AREA 16MA-1
Samplin	ng Personnel PCS
	Date OCTORFE 5, 7005
	Weather SUNNIL WARM (708) CLEARSKIES

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]*
1010	100	4000	12-56				49		
1015	100	4500	1250	16:10	6.50	3.453	21	3.56	121.2
1020	100	5000	12-50	15.97	6 49	3.407	15	1.63	-118.60
1025	100	5500	12.50	15.76	6.48	3.350	12	1.10	-115.9
1030	100	6000	12-50	15 lco	6.48	3.320	Š	U-83	-14.8
10:35	100	6500	12-50	<i>i5</i> ·58	6-48	3-300	6	0.79	-113.6
1040	100	100C	12.50	15.44	647	3.276	4	0.69	-113.7
1045	100	7500	12-50	15.48	6.96	3.263	5	0.65	-106.8
1050	100	8000	12.50	15.51	6.47	3.249	lc	0.63	-104.6
1055	100	35CD	12.50	15-53	6.46	3. 249	4	0.64	-103:6
1057	100	9000	12.50	15.54	6.96	3.248	3	0:60	-99.8
1100	100	9500	12.5C	15.54	6.46	3.248	_2	0-60	-99.2
1103	100	10000	12.50	15.54	6-46	8.248	2	0.59	-98.7
SAMPLE	TIME	1105							
		1				ļ		356	
								*	
	·								
				· · · · · · · · · · · · · · · · · · ·					
			<u></u> -	· ·					
	<u>-</u>				· · · · · · · · · · · · · · · · · · ·				

* 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	

	10. <u>LSSC -</u>	162					STREET F	PEA/GM	<u> </u>
Key N			····	_ Samp	ling Personnei				<u> </u>
	ackground (ppm Headspace (ppm			-	Date		FR 5,700		
******	ucauspace (ppm	,		<b>-</b> .	Weather	SUND.	1. HOTIR	DIST, CLEH	R-BKIES
WELL INFO		_					Sample Time	1730	
	nce Point Marked	$\sim$		_			Sample ID	LBBC-16	8
Height	of Reference Poir		_ Meas. From	GROUN	ZD.		Ouplicate ID		
0	Well Diamete		<b>_</b>		_		MS/MSD		
	een Interval Depti			GROON	2		Split Sample ID		
,	Water Table Depti Well Depti		Meas. From Meas. From		- -	Required	Analytica	i Parameters:	Collected
=	n of Water Column		-29.781	••		( )	VOCs	(Std. list)	( )
	e of Water in Wel					(火)	VOCs	(Exp. list)	( <b>X</b> )
Intake Dept	th of Pump/Tubing	12.50	_ Meas. From	116	-	( )	s	VOCs	( )
Defe D	-:					( )		s (Total)	( )
	oint Identification:					( )		(Dissolved)	( )
	Inner (PVC) Casin f Outer (Protective					( )		rganics (Total)	( )
	Ground Surface	e) Casing				( )	_	inics (Dissolved)	( )
O:200100.	Globina Surface					( )	•	de (Dissolved)	( )
Redevelop?	Y (N)					( )	-	ide (Dissolved) Ds/PCDFs	( )
						( )		s/Herbicides	( . )
						( )		Attenuation	. ( )
						( )		(Specify)	( )
EVACUATIO	N INFORMATION	l						<b>(</b> ,	, ,
	Did Well Go Dry?	55000m	L	•	Pump Type: Samples collect	BLHODE	ubmersible Pump L_(MASSC+ ethod as evacuatio	IAUX)	pecify ( ) sify)
	Did Well Go Dry?	Y (P)		YBI 55K	Samples collec	BLADDET	L (MARSC + ethod as evacuatio	TAUC)	sify)
	Did Well Go Dry?  Water Quality M  Pump  Rate	Y NY leter Type(:p)/S Total Gailtons	erial Numbers:  Water  Level	Temp. (Celsius)	Samples collect	BLADDED cted by same middle (L. 210 Sp. Cond. (mS/cm)	CMARSCE athod as evacuation Turbidity (NTU)	DO (mg/l)	ORP (mV)
	Water Quality M Pump Rate -(L/min.)	Y NY leter Type(:p)/S	erial Numbers:  Water Level (ft TIC)	Temp.	Samples collect	BLADDET cted by same mi	Turbidity (NTU)	TALK) n? Y N (spec	ORP (mV)
Time	Water Quality M Pump Rate (L/min.)	Y NY leter Type(:p) / S  Total Gattons Removed	Water Level (ft TIC)	Temp. (Celsius)	Samples collect	BLADDED cted by same middle (L. 210 Sp. Cond. (mS/cm)	CMARSCH athod as evacuation CP TOP Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
Time 1,30 1,35	Water Quality M Pump Rate (L/min.)	Y NY leter Type(p)/S  Total Gaffons Removed	Water Level (ft TIC)  9.73	Temp. (Celsius) (3%)*	Samples collect  PH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	CMARSCH athod as evacuation CP TOP Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time 1,30 1,35 1,140	Pump Rate (L/min.)	Y NY leter Type(3)/ S  Total Gaffors Removed  570	Water Level (ft TIC) 9 - 7-3 9 - 74	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	CMARSCH athod as evacuation CP TUP: Turbidity (NTU) [10% or 1 NTU]*  67  40	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time 1,30 1135 1140 1145	Water Quality M Pump Rate (L/min.) /() /() /() /() /() /()	Y NY leter Type(p)/S  Total Gaffons Removed	Water Level (ft TIC)  9.73	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	CMARSCH athod as evacuation SCP TOP  Turbidity (NTU) [10% or 1 NTU]*  5 7  40  2 jean	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time 1,30 1136 1140 1145	Pump Rate (L/min.)	Y NY leter Type(:p)/S  Total Gattons Removed  500 /500	Water Level (ft TIC)  9.73  9.74  9.74	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	CMARSCH athod as evacuation CP TUP: Turbidity (NTU) [10% or 1 NTU]*  67  40	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*  59.6 47.4 44.3
Time 1,30 1,35 1,40 1,45	Pump Rate (L/min.)  /OC /OC /OC	Y NO Seter Type(3)/S  Total Gaffons Removed  500 / 500 / 500 / 2000	Water Level (ft TIC)  9. 73  9. 74  9. 74  9. 74	Temp. (Celsius) [3%]*  !.o. 21 !5. 77	pH [0.1 units]*  7.09 7.04 7.03	BIADDED (14CH 21C)  Sp. Cond. (mS/cm) [3%]*	CMARSCH athod as evacuation SOP TOP Turbidity (NTU) [10% or 1 NTU]  57 40 2   966 15	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14	ORP (mV) [10 mV)* 59.6 47.4 44.3
Time 1,30 1,35 1,140 1,145 1,150 1,155	Pump Rate -(L/min.)  /(CC) -(CC) -(C	r (N) leter Type(n)/S  Total Gattons Removed   1000 /500 2000	Water Level (ft TIC)  9 73  9 74  9 74  9 74  9 74	Temp. (Celsius) [3%]*  1:0-21 15-77 15-72 15-68	pH [0.1 units]*  7 09 7 03 7 03	BI ADDED ted by same miles (1904)  Sp. Cond. (mS/cm) [3%]*  1 454 1 469 1 469	CMARSCH athod as evacuation CP TOP Turbidity (NTU) [10% or 1 NTU]*  5 7  40  2 19	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14  2.11	ORP (mV) [10 mV]*  59.6 47.4 44.3 40.7
Time  1,30 1,140 1,145 1,145 1,150 1,155 1,200 1,205	Pump Rate -(L/min.)  /(TO	No   No   No   No   No   No   No   No	Water Level (R TIC)  9 73  9 74  9 74  9 74  9 74  9 74  9 74	Temp. (Celsius) [3%]* 	pH [0.1 units]*  7 09 7 03 7 03 7 03 7 02 7 02	BIADDED cted by same middle (120)  Sp. Cond. (mS/cm) [3%]*  1 4-54-1-4-69 1-4-67 1-4-67	CMARSCH athod as evacuation SCP TOP Turbidity (NTU) [10% or 1 NTU]*  677  40  21999	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14  2.11  2.07  2.08	ORP (mV) [10 mV]* 59.6 47.4 44.3
Time  1,30 1,35 1,40 1,46 1,45 1,50 1,55 1,200 1,205 The stabiliza	Pump Rate -(L/min.)  /(TO	r (N) leter Type(:n) / S  Total Gattors Removed	water Level (ft TiC)  9 73  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74	Temp. (Celsius) [3%]*  1:0-21 15-71 15-72 15-68 15-65  utive readings	pH [0.1 units]*  7 09 7 03 7 03 7 02 7-02 collected at 3- to	BIADDED cted by same middle (120 Sp. Cond. (mS/cm) [3%]*  1 454 1 469 1 467 1 467 1 467	Turbidity (NTU) [10% or 1 NTU]*  40  2   966  /5  /5  /3  9  (als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14  2.11  2.07	ORP (mV) [10 mV]* 59.6 47.4 44.3 40.7 38.5 36.9
Time  1,30 1,35 1,40 1,46 1,45 1,50 1,55 1,200 1,205 The stabiliza	Pump Rate -(L/min.)  /(TC) -(CC) -(C	r (N) leter Type(:n) / S  Total Gattors Removed	water Level (ft TiC)  9 73  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74	Temp. (Celsius) [3%]*  1:0-21 15-71 15-72 15-68 15-65  utive readings	pH [0.1 units]*  7 09 7 03 7 03 7 02 7-02 collected at 3- to	BIADDED cted by same middle (120 Sp. Cond. (mS/cm) [3%]*  1 454 1 469 1 467 1 467 1 467	Turbidity (NTU) [10% or 1 NTU]*  40  2   966  /5  /5  /3  9  (als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14  2.11  2.07  2.08  ch column heading.	ORP (mV) [10 mV]* 59.6 47.4 44.3 40.7 38.5 36.9
Time  1:30 1:35 1:140 1:145 1:155 1:200 1:205 The stabiliza	Pump Rate -(L/min.)  /(TC) -(CC) -(C	r (N) leter Type(:n) / S  Total Gattors Removed	water Level (ft TiC)  9 73  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74	Temp. (Celsius) [3%]*  1:0-21 15-71 15-72 15-68 15-65  utive readings	pH [0.1 units]*  7 09 7 03 7 03 7 02 7-02 collected at 3- to	BIADDED cted by same middle (120 Sp. Cond. (mS/cm) [3%]*  1 454 1 469 1 467 1 467 1 467	Turbidity (NTU) [10% or 1 NTU]*  40  2   966  /5  /5  /3  9  (als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14  2.11  2.07  2.08  ch column heading.	ORP (mV) [10 mV]* 59.6 47.4 44.3 40.7 38.5 36.9
Time  1,30 1,35 1,40 1,45 1,50 1,50 1,200 1,205 The stabiliza BSERVATIO	Water Quality M Pump Rate -(L/min:)  /() /() /() /() /() /() /() /() /() /	r (N) leter Type(:n) / S  Total Gattors Removed	water Level (ft TiC)  9 73  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74	Temp. (Celsius) [3%]*  1:0-21 15-71 15-72 15-68 15-65  utive readings	pH [0.1 units]*  7 09 7 03 7 03 7 02 7-02 collected at 3- to	BIADDED cted by same middle (120 Sp. Cond. (mS/cm) [3%]*  1 454 1 469 1 467 1 467 1 467	Turbidity (NTU) [10% or 1 NTU]*  40  2   966  /5  /5  /3  9  (als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14  2.11  2.07  2.08  ch column heading.	ORP (mV) [10 mV]* 59.6 47.4 44.3 40.7 38.5 36.9
Time  1,30 1,35 1,40 1,45 1,50 1,55 1,200 1,205 The stabiliza BSERVATIO	Water Quality M Pump Rate -(L/min:) //// /// /// /// /// /// /// /// ///	r (N) leter Type(:n) / S  Total Gattors Removed	water Level (ft TiC)  9 73  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74	Temp. (Celsius) [3%]*  1:0-21 15-71 15-72 15-68 15-65  utive readings	pH [0.1 units]*  7 09 7 03 7 03 7 02 7-02 collected at 3- to	BIADDED cted by same middle (120 Sp. Cond. (mS/cm) [3%]*  1 454 1 469 1 467 1 467 1 467	Turbidity (NTU) [10% or 1 NTU]*  40  2   966  /5  /5  /3  9  (als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14  2.11  2.07  2.08  ch column heading.	ORP (mV) [10 mV]* 59.6 47.4 44.3 40.7 38.5 36.9
Time  1.30 1.35 1.40 1.45 1.50 1.155 1.200 1.205 The stabiliza BSERVATIO	Water Quality M Pump Rate -(L/min:)  /() /() /() /() /() /() /() /() /() /	r (N) leter Type(:n) / S  Total Gattors Removed	water Level (ft TiC)  9 73  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74  9 74	Temp. (Celsius) [3%]*  1:0-21 15-71 15-72 15-68 15-65  utive readings	pH [0.1 units]*  7 09 7 03 7 03 7 02 7-02 collected at 3- to	BIADDED cted by same middle (120 Sp. Cond. (mS/cm) [3%]*  1 454 1 469 1 467 1 467 1 467	Turbidity (NTU) [10% or 1 NTU]*  40  2   966  /5  /5  /3  9  (als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*  2.99  2.22  2.14  2.11  2.07  2.08  ch column heading.	ORP (mV) [10 mV]* 59.6 47.4 44.3 40.7 38.5 36.9

Well No. <u>LSSC-168</u> Site/GMA Nam	10 LYMAN STREET AREA /GMA-1
Sampling Personn	
Da	te OCTOBER 5, 2015
Weath	OF SUNDYLHOT (808) CLEAR SYLES

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]*
1210	100	4000	9.74	15-53	7.02	1.467	6	2.12	35.8
1215	100	4500	9.74	15-51	7.02	1.468	4	2.06	35.6
1220	100	5000	9.74	15.50	7-07	1.466	3	2.04	35.5
1225	100	5500	9:74	15-53	7-02	1.466	3	2.05	35.4
SAMPL	ETIME	1230							
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* 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	SPE NOTES ON PAGE !

	100.			\$	ite/GMA Name	· LVMPI	J STREET A	PEG I RUG-	1
	10. <u>LS8C-</u> 1	<u> </u>				413		ELAT CIPIL	f
Key N				Samp	ling Personae				
	ackground (ppn		<del></del> .	<del></del> .	Date	CIOBE	TL 7, 2000	<u> </u>	
Well I	Headspace (ppm	"			Weathe	OVERCA	st, mugge	1, <del>708</del>	<del></del>
WELL INFO	PHATION			r			Sample Time	1005	
		1? (f) N							
	nce Point Market			A PALIN SE			•	188c-18	<del></del>
Height	of Reference Poi	- 11	Meas. From	GROUIUI	2		Duplicate ID		
_	Well Diamete	~ <del>~~~</del>		\n			MS/MSC	<del></del>	·
	reen Interval Depl	1	_	GROUNT	<b>,</b>		Split Sample 10		
,	Water Table Dept		Meas. From		_	<b>6</b> 104			
	2	18.60	Meas. From	716	<del></del>	Required		I Parameters:	Collected
_	of Water Colum		713 N.55	401100S		( ).		s (Std. list)	( )
	e of Water in We				_	( )		(Exp. list)	( )
Intake Dept	th of Pump/Tubin	17.00	Meas. From	<u>6600101</u>	5	( )		VOCs	( ),
•		•_			7-2	( )		s (Total)	ά )
Reference Po	oint Identification:					( <b>X</b> )	PC8s (	(Djssolved)	( <b>火</b> )
TIC: Top of I	nner (PVC) Casir	vg				( )	Metals/ino	rganics (Total)	( )
TOC: Top of	Outer (Protective	) Casing				( )	Metals/Inorga	inics (Dissolved)	( )
Grade/BGS:	Ground Surface					( )	PCO	Ds/PCDFs	<b>~</b> ( )
						( )	Pesticide	s/Herbicides	( )
Redevelop?	Υ <b>(</b> \$\$)					( )	Natural	Attenuation	· ( )
, ,=	_					( )	Other	(Specify)	( )
EVACUATION	N INFORMATION	ı		•	4.		,	. '	
1	Pump Start Time	0900							
1	Pump Stop Time	1018	<del></del>		Evacuation Me	ethod: Bailer	( ) Bladder	Pump ( <b>X</b> )	
	しんいい つんりひ しゅいさ							•	
			<del></del>		Peristattic Pun	np { } S	ubrhersible Pump.	( ) Other/Sp	recity ( )
Min	utes of Pumping	78	 - -		Peristattic Pun Pump Type:	* : *			recity ( )
Min Volume of	outes of Pumping Water Removed Did Well Go Dry?	78° 5500 m°		VSI 556 I	Pump Type: Samples colle	MARSCHA cled by same m	LK. BLADDE ethjød as evacuatio	POMP n? Y N (spec	
Min Volume of	oules of Pumping Water Removed Did Well Go Dry? Water Quality M	<b>38</b> 5500 ml  Y   ©  eter Type(s)/5	Serial Numbers:	· · · · · · · · · · · · · · · · · · ·	Pump Type: Samples colle	MMOSCHA cled by same m	LK BLADDE ettipo as evacuation TUBNOIME	PUMP  N (speci	lfy)
Min Volume of C	outes of Pumping Water Removed Did Well Go Dry? Water Quality M	#8 5500 ml Y (f) eter Type(s)/S	Serial Numbers:	Temp.	Pump Type: Samples colle	MARSCHA cled by same m CH 2100P Sp. Cond.	LX BLADDE ettipo as evacuation  TURBIDIME  Turbidity	P PUMP  n? Y N (special Special Specia	ORP
Min Volume of	outes of Pumping Water Removed Did Well Go Dry? Water Quality M Pump Rate	#8 5500 ml Y (5) eleter Type(s)/S Total Gallons	Serial Numbers: Water Level	Temp. (Celsius)	Pump Type: Samples collected with the samples co	MARSCHA cled by same m CH 2100P Sp. Cond. (mS/cm)	Turbidity (NTU)	P PUMP  n? Y N (special points)  (mg/l)	ORP
Min Volume of C	water of Pumping Water Removed Did Well Go Dry? Water Quality M Pump Rate {Umin.}	#8 5500 ml Y (f) eter Type(s)/S	Serial Numbers:  Water Level (ft TIC)	Temp.	Pump Type: Samples colle	MARSCHA cled by same m CH 2100P Sp. Cond.	TURBIDIME Turbidity (NTU) [10% or 1 NTU]	P PUMP  n? Y N (special Special Specia	ORP
Volume of C	water of Pumping Water Removed Did Well Go Dry? Water Quality M Pump Rate {Umin.}	#8 5500 ml Y (D) eler Type(s)/S Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) {3%]"	Pump Type: Samples collected with the samples collected by the samples	MARSCHA cled by same m  CH 2100P  Sp. Cond.  (mS/cm)  [3%]	TURBIDIME Turbidity (NTU) [10% or 1 NTU]	PUMP  n? Y N (special points)  po (mg/l)  [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Volume of C	water Removed Did Well Go Dry?  Water Quality M  Pump  Rate  {L/min.}	#8 5500 ms Y (6) eter Type(s)/S Total Gallons Removed	Water Level (ft TIC) 15-21	Temp. (Celsius) (3%]' /7-06	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*	MARSCHA cled by same m  CH 2100P  Sp. Cond.  (mS/cm)  [3%]*   0 - 752	TURBIDIME Turbidity (NTU) [10% or 1 NTU]*	PUMP  n? Y N (special points)  (mg/l)  (10% or 0.1 mg/l)  3.27	ORP (mV) [10 mV]*
Volume of C	water Removed Old Well Go Dry?  Water Quality M  Pump Rate {L/min.}	#8 5500 ms  y 6  eter Type(s)/S  Total Gallons Removed	Water Level (ft TIC) /5-21 /5-35	Temp. (Cetsius) [3%]' ————————————————————————————————————	Pump Type: Samples colle  48P, #/fic  pH  [0.1 units]*  6.61 6.70	MARSCHA cled by same m  CH 2100P  Sp. Cond. (mS/cm) [3%]*  0.762 0.162	TUEBIDIME TUEBIDIME Turbidity (NTU) (10% or 1 NTU)*	P DUMP  107 Y N (special points)  108 Or 0.1 mg/l)  10% or 0.1 mg/l)  3.27  2.08	ORP (mV) [10 mV]* -54-0
Volume of Control of C	water Removed Old Well Go Dry?  Water Quality M  Pump Rate {L/min.}	#8 5500 ms  y 6  eter Type(s)/S  Total Galions Removed	Water Level (ft TIC) /5-21 /5-35	Temp. (Cetsius) [3%]' ————————————————————————————————————	Pump Type: Samples colle  48P, #/fic  pH  [0.1 units]*  6.61 6.70 6.75	MARSCHA cled by same m CH 2100P Sp. Cond. (mS/cm) [3%]* 	TURBIDIME Turbidity (NTU) (10% or 1 NTU)  14  8  8	PUMP  n? Y N (special points)  (mg/l)  (10% or 0.1 mg/l)	ORP (mV) [10 mV]* -54-0 -58-9 -62-3
Time  0910 0915 0920 0925	water Removed Old Well Go Dry?  Water Quality M  Pump Rate {L/min.}  //OD	#8 5500 ml Y N eter Type(s) / S Total Gallons Removed	Water Level (fi TIC) 15-21 15-85 15-85 15-85	Temp. (Celsius) (3%)  17.06  17.65  17.48	Pump Type: Samples collect  MSP, HIRC  pH  [0.1 units]*  6.61  6.70  6.80	MARSCHA cled by same m CH 2100P Sp. Cond. (mS/cm) [3%]* 	TURBIDIME TURBIDIME Turbidity (NTU) (10% or 1 NTU)  14 8 8	PUMP  n? Y N (special points)  (mg/l)  (10% or 0.1 mg/l)	ORP (mV) [10 mV]* -54-0 -58-9 -62-3
Time  0910 0915 0920 0925 0935	water Removed Old Well Go Dry?  Water Quality M  Pump Rate {L/min.}	#8 5500 ml Y N eter Type(s) / S Total Gallons Removed	Water Level (ft TIC) 15-21 /5-85 15-85 15-85	Temp. (Celsius) (3%)  17.06  17.55  17.48  /7.25	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*  6.61  6.70  6.85  6.83	MARSCHA cled by same m CH 2100P Sp. Cond. (mS/cm) [3%]*  0.752 0.752 0.754 0.754	TURBIDIME Turbidity (NTU) (10% or 1 NTU)  14  8  8  6	PUMP n? Y N (special points)  (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]* -54-0 -58-9 -62.3 -68-1
Time  0910 0915 0920 0925 0935 0940	water Removed Old Well Go Dry?  Water Quality M  Pump Rate {L/min.}  //OD	#8 5500 ml Y N Potal Gallons Removed	Water Level (ft TIC) 15-21 15-35 15-35 15-35 15-35	Temp. (Celsius) (3%)  17.06  17.65  17.48	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*  6.61  6.70  6.75  6.85  6.83	MARSCHA cled by same m "H 2100P Sp. Cond. (mS/cm) [3%]"  0.752 0.752 0.754 0.754 0.756	Turbidity (NTU) (10% or 1 NTU)*	PUMP n? Y N (special points)  [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* -54-0 -58-9 -62-3 -68-1 -70-0
Time  0910 0915 0920 0925 0980 0985 0940 0945	water Removed Old Well Go Dry?  Water Quality M  Pump Rate {L/min.}  //OD  //OD  //OD	#8 5500 ml Y N eter Type(s) / S Total Gallons Removed	Water Level (fi TIC) 15.21 15.85 15.85 15.85 15.85 15.85	Temp. (Celsius) (3%)'  17.06 17.65 17.72 17.48 17.25 17.16 17.14	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*  6.61  6.70  6.85  6.83  6.81  6.83	MARSCHA cled by same m "H 2100P Sp. Cond. (mS/cm) [3%]"  0.752 0.752 0.754 0.754 0.755 0.755	Turbidity (NTU) (10% or 1 NTU)*  4  8  6  7	PUMP n? Y N (special points)  [10% or 0.1 mg/l]  3.27  2.08  [.82  [.40  [.40  [.29  [.0]	ORP (mV) [16 mV]* -54-0 -58-9 -62-3 -68-1 -70-0 -71-1 -71-8
Time  0910 0915 0925 0925 0980 0935 0940 0945	Pump Rate {L/min.} //OC	#8 5500 ml Y N Potal Gallons Removed	Water Level (ft TIC) 15.21 15.85 15.85 15.85 15.85 15.85 15.85	Temp. (Cetsius) [3%]'  17.06 17.65 17.72 17.48 17.25 17.14 17.18	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*	MARSCHA cled by same m "H 2100P Sp. Cond. (mS/cm) [3%]"  0.752 0.752 0.754 0.754 0.756	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7	PUMP n? Y N (special points)  TER  DO (mg/l) [10% or 0.1 mg/l]  3.27  2.08  1.82  1.82  1.61  1.40  1.29  1.01  0.86	ORP (mV) [10 mV]* -54-0 -58-9 -62-3 -62-3 -69-1 -70-0 -71-1 -71-8 -42-4
Time  0910 0915 0925 0925 0980 0985 0940 0945	water Removed Did Well Go Dry?  Water Quality M  Pump Rate {L/min.}  /OD  /OD  /OD  /OD  /OD  /OD  /OD  /O	#8 5500 ml Y 80 seter Type(s) / 5 coo	Water Level (fi TIC) 15.21 15.85 15.85 15.85 15.85 15.85	Temp. (Celsius) (3%)'  17.06 17.65 17.72 17.48 17.25 17.16 17.14	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*	MARSCHA cled by same m "H 2100P Sp. Cond. (mS/cm) [3%]"  0.752 0.752 0.754 0.754 0.755 0.755	Turbidity (NTU) (10% or 1 NTU)*  4  8  6  7	PUMP n? Y N (special points)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.86  0.87	ORP (mV) [10 mV]* -54-0 -58-9 -62-3 -69-1 -70-0 -71-1 -71-8 -92-4 -71-2
Time  0910 0915 0925 0935 0935 0940 0945 0955	Pump Rate {L/min.} //20 //20 //20 //20	#8 5500 ml Y	Water Level (ft TIC) 15.21 15.85 15.85 15.85 15.85 15.85 15.85	Temp. (Cetsius) [3%]'  17.06 17.65 17.72 17.48 17.25 17.14 17.18	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*	MARSCHA cled by same m M 2100P Sp. Cond. (mS/cm) [3%]* 0.762 0.762 0.764 0.764 0.765 0.766 0.765	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7	PUMP n? Y N (special points)  TER  DO (mg/l) [10% or 0.1 mg/l]  3.27 2.08 1.82 1.61 1.40 1.29 1.01 0.85 0.87	ORP (mV) [10 mV]* -54-0 -58-9 -62-3 -62-1 -70-0 -71-1 -71-8 -92-4 -71-2 -78-1
Time  0910 0915 0925 0925 0935 0940 0945 0955 1000	Pump Rate (L/mln.)  /OD /OD /OD /OD /OD /OD /OD /OD /OD /O	#8 5500 ms   Y	Water Level (fit TIC) 15.2.1 15.85 15.85 15.85 15.85 15.85 15.85 15.85	Temp. (Cetsius) (3%)'	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*	MARSCHA cled by same m M 2100P Sp. Cond. (mS/cm) [3%]* 0.752 0.754 0.754 0.755 0.756 0.757 0.758	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7	PUMP n? Y N (special points)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.86  0.87	ORP (mV) [10 mV]* -54-0 -58-9 -62-3 -69-1 -70-0 -71-1 -71-8 -92-4 -71-2
Time  0910 0915 0925 0935 0935 0940 0945 0955 1000 1008	Pump Rate {L/min.}  //OD //OD //OD //OD //OD	#8 5500 ml Y (P) seter Type(s) / S (S) seter	Water Level (fi TIC) 15.21 15.35 15.35 15.35 15.35 15.35 15.35 15.35	Temp. (Cetsius) [3%]' 17.06 17.85 17.48 17.25 17.16 17.16 17.18 17.88 17.45	Pump Type: Samples colle  MSP, HIRC  pH  [0.1 units]*	MARSCHA cled by same m M 2100P Sp. Cond. (mS/cm) [3%]* 0.752 0.754 0.754 0.755 0.756 0.757 0.758 0.758 0.760 0.760	TURBIDIME Turbidity (NTU) [10% or 1 NTU]*    4   8   6   7   6   6   7   6   6   7   6   6   7   6   6   7   6   6   7   6   6   7   6   6   7   6   6   7   6   6   7   6   7   6   7   6   7   7   6   7   6   7   7   6   7   7   6   7   7   7   8   8   7   8   9   9   9   9   9   9   9   9   9   9	PUMP  n? Y N (special points)  (mg/l)  (10% or 0.1 mg/l)	ORP (mV) [10 mV]* -54-0 -58-9 -62-3 -62-1 -70-0 -71-1 -71-8 -92-4 -71-2 -78-1
Time  0910 0915 0925 0925 0935 0940 0945 0960 0965 1000 The stabilization	Pump Rate (L/mln.) //CO //CO //CO //CO //CO //CO //CO //C	#8 5500 ms   Y	Water Level (ft TIC) 15.21 15.35 15.35 15.35 15.35 15.35 15.35 15.35 15.35 15.35 15.35	Temp. (Cetsius) [3%]'	Pump Type: Samples colle  MSP, #196  pH  [0.1 units]*	MARSCHA cled by same m  M 2100P  Sp. Cond. (mS/cm) [3%]*  0.752 0.754 0.754 0.755 0.756 0.757 0.758 0.757 0.758	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  8  8  8  8  8  8  8  8  8  8  8  8	PUMP  n? Y N (special property of the polymer)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.87  0.87  0.87  0.87  0.87  0.87  0.87	ORP (mV) [16 mV]* -54-0 -58-9 -62-5 -68-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  0910 0915 0925 0925 0935 0940 0945 0960 0965 1000 The stabilization	Pump Rate {L/min.}  //OD //OD //OD //OD //OD	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]' 17.06 17.85 17.72 17.48 17.25 17.16 17.16 17.8 17.8 17.95 17.95 11.91 utive readings of	Pump Type: Samples colle  MSP, HIRC  pH  {0.1 units}*	MARSCHA cled by same m  M 2100P  Sp. Cond. (mS/cm) [3%]*  0.752 0.754 0.754 0.755 0.756 0.757 0.758 0.757 0.758	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  8  8  8  8  8  8  8  8  8  8  8  8	PUMP  n? Y N (special property of the property	ORP (mV) [16 mV]* -54-0 -58-9 -62-5 -68-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  0910 0915 0925 0925 0935 0940 0945 0960 0965 1000 The stabilization	Pump Rate (L/mln.) //CO //CO //CO //CO //CO //CO //CO //C	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]'	Pump Type: Samples colle  MSP, HIRC  pH  {0.1 units}*	MARSCHA cled by same m  M 2100P  Sp. Cond. (mS/cm) [3%]*  0.752 0.754 0.754 0.755 0.756 0.757 0.758 0.757 0.758	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  8  8  8  8  8  8  8  8  8  8  8  8	PUMP  n? Y N (special property of the polymer)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.87  0.87  0.87  0.87  0.87  0.87  0.87	ORP (mV) [16 mV]* -54-0 -58-9 -62-5 -68-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  0910 0915 0925 0925 0935 0940 0945 0960 0965 1000 The stabilization	Pump Rate (L/mln.) //CO //CO //CO //CO //CO //CO //CO //C	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]' 17.06 17.85 17.72 17.48 17.25 17.16 17.16 17.8 17.8 17.95 17.95 11.91 utive readings of	Pump Type: Samples colle  MSP, HIRC  pH  {0.1 units}*	MARSCHA  cled by same m  H 2100P  Sp. Cond. (mS/cm) [3%]'   0.752 0.752 0.754 0.755 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  8  8  8  8  8  8  8  8  8  8  8  8	PUMP  n? Y N (special property of the polymer)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.87  0.87  0.87  0.87  0.87  0.87  0.87	ORP (mV) [16 mV]* -54-0 -58-9 -62-5 -68-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  09/0 09/5 09/5 09/5 09/5 09/5 09/5 09/	Pump Rate (L/mln.) //CO //CO //CO //CO //CO //CO //CO //C	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]' 17.06 17.85 17.72 17.48 17.25 17.16 17.16 17.8 17.8 17.95 17.95 11.91 utive readings of	Pump Type: Samples colle  MSP, HIRC  pH  {0.1 units}*	MARSCHA cled by same m  M 2100P  Sp. Cond. (mS/cm) [3%]*  0.752 0.754 0.754 0.755 0.756 0.757 0.758 0.757 0.758	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  8  8  8  8  8  8  8  8  8  8  8  8	PUMP  n? Y N (special property of the polymer)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.87  0.87  0.87  0.87  0.87  0.87  0.87	ORP (mV) [16 mV]* -54-0 -58-9 -62-3 -62-3 -62-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  0910 0915 0925 0925 0935 0940 0945 0960 1965 The stabilizations	water of Pumping Water Removed Did Well Go Dry?  Water Quality M  Pump Rate {L/min.}  //OD  //OD	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]' 17.06 17.85 17.72 17.48 17.25 17.16 17.16 17.8 17.8 17.95 17.95 11.91 utive readings of	Pump Type: Samples colle  MSP, HIRC  pH  {0.1 units}*	MARSCHA  cled by same m  H 2100P  Sp. Cond. (mS/cm) [3%]'   0.752 0.752 0.754 0.755 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  8  8  8  8  8  8  8  8  8  8  8  8	PUMP  n? Y N (special property of the polymer)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.87  0.87  0.87  0.87  0.87  0.87  0.87	ORP (mV) [16 mV]* -54-0 -58-9 -62-5 -68-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  09/0 09/5 09/5 09/5 09/5 09/5 09/5 09/	water of Pumping Water Removed Did Well Go Dry?  Water Quality M  Pump Rate {L/min.}  /(20	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]' 17.06 17.85 17.72 17.48 17.25 17.16 17.16 17.8 17.8 17.95 17.95 11.91 utive readings of	Pump Type: Samples colle  MSP, HIRC  pH  {0.1 units}*	MARSCHA  cled by same m  H 2100P  Sp. Cond. (mS/cm) [3%]'   0.752 0.752 0.754 0.755 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756	Turbidity (NTU) (10% or 1 NTU)*  14  8  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  6  7  8  8  8  8  8  8  8  8  8  8  8  8	PUMP  n? Y N (special property of the polymer)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.87  0.87  0.87  0.87  0.87  0.87  0.87	ORP (mV) [16 mV]* -54-0 -58-9 -62-5 -68-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  0910 0915 0925 0925 0935 0940 0945 0955 1000 1006 The stabilizations SAMPLE DEST Laboratory:	water of Pumping Water Removed Did Well Go Dry?  Water Quality M  Pump Rate (Limin.)  ICO ICO ICO ICO ICO ICO ICO ICO ICO IC	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]' 17.06 17.85 17.72 17.48 17.25 17.16 17.16 17.8 17.8 17.95 17.95 11.91 utive readings of	Pump Type: Samples colle  MSP, HIRC  pH  {0.1 units}*	MARSCHA  cled by same m  H 2100P  Sp. Cond. (mS/cm) [3%]'   0.752 0.752 0.754 0.755 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756	TURBIDIME Turbidity (NTU) (10% or 1 NTU)*  4  8  6  7  6  4  4  4  vals) is tisted in each	PUMP  107 Y N (special points)  (mg/l)  (10% or 0.1 mg/l)	ORP (mV) [16 mV]* -54-0 -58-9 -62-5 -68-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  09/0 09/5 09/5 09/5 09/5 09/5 09/5 09/	water of Pumping Water Removed Did Well Go Dry?  Water Quality M  Pump Rate (Limin.)  ICO ICO ICO ICO ICO ICO ICO ICO ICO IC	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]'	Pump Type: Samples colle  18P, H/R  pH  [0.1 units]*  6.61  6.70  6.85  6.87  6.83  6.88  6.89  6.90  6.90  6.90  6.90  6.90  6.90	MARSCHA Cled by same m  CH 2100P  Sp. Cond. (mS/cm) [3%]*  0.752 0.754 0.754 0.755 0.756 0.756 0.757 0.768 0.760 0.760 0.760 0.760	TURBIDIME Turbidity (NTU) (10% or 1 NTU)*  4  8  6  7  6  4  4  4  vals) is tisted in each	PUMP  107 Y N (special points)  (mg/l)  (10% or 0.1 mg/l)	ORP (mV) [16 mV]* -54-0 -58-9 -62-5 -68-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1
Time  0910 0915 0925 0925 0935 0940 0945 0955 1000 1006 The stabilizations SAMPLE DEST Laboratory:	Pump Rate (L/min.) (OD) (OD) (OD) (OD) (OD) (OD) (OD) (OD	#8 5500 ms   Y	Water Level (ft TIC)  15.21  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35  15.35	Temp. (Cetsius) [3%]'	Pump Type: Samples colle  18P, H/R  pH  [0.1 units]*  6.61  6.70  6.85  6.87  6.83  6.88  6.89  6.90  6.90  6.90  6.90  6.90  6.90	MARSCHA  cled by same m  H 2100P  Sp. Cond. (mS/cm) [3%]'   0.752 0.752 0.754 0.755 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756 0.756	TURBIDIME Turbidity (NTU) (10% or 1 NTU)*  4  8  6  7  6  4  4  4  vals) is tisted in each	PUMP  n? Y N (special property of the polymer)  [10% or 0.1 mg/l]  3.27  2.08  1.82  1.61  1.40  1.29  1.01  0.87  0.87  0.87  0.87  0.87  0.87  0.87	ORP (mV) [16 mV]* -54-0 -58-9 -62-3 -62-3 -62-1 -70-0 -71-1 -71-8 -72-4 -71-2 -78-1 -78-1

Key No PID Ba	ckground (ppm	)		_	te/GMA Name ling Personnel Date Weather	HES OCICBED	2 5,2005	EA (GMA)	ಟೆ
Height o	MATION ce Point Marked f Reference Poir Welf Diamete en Interval Dept	r 21	_ ·	GROUNT GROUNT	_		Sample Time	1510 28-MN-41	
Length Volume Intake Depth Reference Po TIC: Top of Ir TOC: Top of Ir Grade/BGS: 0 Redevelop?  EVACUATION F Minn Volume of N	later Table Dept Well Dept of Water Column of Water in We of Pump/Tubin int Identification: oner (PVC) Casir Outer (Protective Ground Surface  Y N I INFORMATION Pump Start Time Pump Stop Time utes of Pumping Water Removed id Well Go Dry?	19.50 14.10 14.10 11.10 12.01 13.12.01	Meas. From Meas. From Meas. From Meas. From	TC TC	Evacuation Me Peristaltic Pum Pump Type:	P(X) SU CEOPUN	Analytical VOCs VOCs S' PCBs ( PCBs ( Metals/Inorgal EPA Cyania PAC Cyania PCDD Pesticide Natural Other ) Bladder ( ubmersible Pump	Parameters: (Std. list) (Exp. list) (OCs s (Total) Dissolved) rganics (Total) nics (Dissolved) de (Dissolved) de (Dissolved) s/PCDFs s/Herbicides Attenuation (Specify)  Pump ( ) ( ) Other/Sp	Collected (
³~,	Water Quality M Pump Rate	leter Type(s) / So Total Gallons	erial Numbers:  Water  Level	VS1 - 551 Temp. (Celsius)	pH pH	1ACH ZIO Sp. Cond. (mS/cm)	COP TURB  Turbidity  (NTU)	DO (mg/l)	ORP (mV)
	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*		[10% or 0.1 mg/l]*	[10 mV]*
1425	100		9.50				31	<del></del> .	
1435	100	7000	9.50	16.27	6.85	1.850	17	10.69	-108-3
1440	100	1500	9.60	16.29	678	<u> </u>	11	1.69	-108.7
1445	100	2000	962	16-24	6.77	1.851	4	0.85	-113.3
1450	100	2500	9.62	16.10	6-75	1.850	2	0.74	-113.3
1455	100	3000	9.62	16.03	6.73	1.849	1	0.60	-113.6
1500	100	<i>යහ</i> ත	9.62	16.05	6.73	1.848	1	0.58	-113.8
1505	100	4000	9.62	16:10	6:73	1.848		0.57	-1138
		ach field paramei METHOD DEVIA	ter (three consec	MITTAZ		478 SON	•	ch column heading.	
SAMPLE DEST	FINIATION								

						GEP	ittstield -	- GMA-1	
	1. 1.28C-1	OFS		s	ite/GMA Name	VENEZ	LSTREET	AREA IT	····
Key No		<del>-</del> .	<del></del>	_ Samp	ling Personnel		MASR		
	ekground (ppm)			<del>-</del>	Date		F2 3,20		
Well H	sedspace (ppm)		<del></del>	-	Weather	SUDDA	, CLEBR 6	Syles, 80s	
WELL INFOR	MATION						Sample Time	1500	
Referen	ce Point Marked?	N (S)	-				Sample ID	NZEC-O	18
Height of	f Reference Point		_ Mees. From	Ground	_		Duplicate ID		
	Well Diameter		7				MS/MSD		
	on Interval Depth		-	Grand.	-		Split Sample (D		
W	eter Table Depth		Meas. From		<del>-</del>			_	
) anath	Well Depth of Water Column		Meas. From	710	-	Required		Parameters:	Collected
	of Water in Wel		Īlasa			(X)		(Std. list) - 8 2 4 0 E	-
	of Pump/Tubing	1 /	Meas. From	TIL		( )		(Exp. list)	( )
mano Dope	i os i unipri uping				-	( ) ( <del>2</del> ≨`)		/OCs s (Total)	( )
Reference Po	int Identification:					( <del>***</del> *) (***)		Dissoived)	( ) ( \sqrt{2})
	ner (PVC) Casin	a				( )		rganics (Total)	$\langle X \rangle$
•	Outer (Protective	•				( )		mics (Dissolved)	( )
•	Ground Surface					( )	•	de (Dissolved)	( )
	_					( )	*	de (Dissolved)	( )
Redevelop?	Y (N)					( )	=	s/PCDFs	( )
	_					( )	Pesticide	s/Herbicides	( )
						( )	Natural.	Attenuation	( )
						( )	Other	(Specify)	( )
	Water Quality M	leter Type(s) / S	erial Numbers: Water	YS1 556	MSP L	Sp. Cond.	COLDINE Turbidity	TER DO	ORP
Time	Rate	Gailons	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	i00	<del>500</del>	11.40		_		546	-	
1345	100	500	11.40				450	_	
1350	100	1000	11.40				49		
1355	100	150	11.40	15.61	7-12	0.724	27	3.59	-142.0
1400	100	2000	11.40	13.92	6.95	0.743	21	1.34	-140.2
1405	100	2500	11.40	13.96	6.86	0.714	13	0.83	-134.8
1410	100	3000c	11.40	13.80	6.85	0.712	13	0.61	-131-1
14/5	107	<u> පිහපා</u>	11.90	13.72	6.84	n. 40	a	0.50	-131.0
The stabilizat		ch field paramet	er (three consec	utive readings o	collected at 3- to		uls) is listed in each	COlumn heading.	-131-0
<del></del>	······································				URBID				· · · · · · · · · · · · · · · · · · ·
				<u> </u>					
AMPLE DES	TINATION					•			
	565								$\overline{}$
Delivered Via:				•					
	<del></del>								
				•	Field Sampling	Coordinator	Lower	Tu V	
AND DISTRICT	·				Field Sampling	Coordinator:	Tolings	Ju	0-

Well NoN2SC - 075	SINGMA Name NOWEL STREET ARFA II	
	Sampling Personnel AFS/ICH/ACP	
	Date OCTORFE'S, 2005	
	Weather SUNNUL CLEAR SKIFS, 808	

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1420	100	4000	11.40	13-13	6.84	0.712	8	0.48	- <i>13</i> .5
1485	100	4500	11-40	13.71	6.85	0.713	5	0.45	-184-1
1430	100	500c	11-40	13.87	6.87	0.713	5	0.43	-134-1
1435	100	5500	11.40	13.79	6.86	0.710	_3	0.42	-183.8
1440	100	6000	11.46	13.74	6.84	0.713	4	0.41	-131.8
1445	100	6500	11.40	13.78	6.84	0.714	3	0-41	132.3
1450	100	7000	11.40	13.76	6.83	0.413	3	0.40	-132.5
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* The stabilization criteria for each field parameter (three consecutive rea	idings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	

Key No.	UB-17				ing Personnel	AES		eea II	
	edspace (ppm)			-	Date	UCIOBER	4,2005		
AAMII CIG	enibera (bhiti)		·	-	Ander Casel	DVEKEN	ST, COOL	(605)	<del></del>
WELL INFOR	MATION						Sample Time	1100	
Referenc	e Point Marked?	Ø N	•					N8-17	
Height of	Reference Point	3.801	Mess. From	GROUNT	>		Duplicate ID		
	Well Diameter		-				MS/MSD		
Scree	en Interval Depth	•		GROUNI			Split Sample ID		<del> </del>
W	ater Table Depth		_ Meas. From	TC	•				
4	Well Depth		_ Meas. From	TIC	-	Required		Parameters:	Collected
	of Water Column of Water in Well		\$ 0.909	astion		$(\mathbf{X})$		(Std. list)	$(\mathbf{X})$
	of Pump/Tubing			•		( )		(Exp. list) /OCs	( )
шашто Борет	on and the				•	( )		(Total)	( )
Reference Poli	nt Identification:					( )		Dissolved)	( )
TIC: Top of In:	ner (PVC) Casing	9				( )		ganics (Total)	( )
TOC: Top of C	Outer (Protective)	Casing				( )	Metals/Inorga	nics (Dissolved)	( )
Grade/BGS: G	Ground Surface					( )	EPA Cyani	de (Dissolved)	( )
	<i>(</i> 25)					( )	PAC Cyani	de (Dissolved)	( )
Redevelop?	Y (10)					( )	PCDD	s/PCDFs	( )
						( )	Pesticide	s/Herbicides	( )
						( )		Attenuation	( )
	MECORATION					( )	Other	(Specify)	( )
þ	'ump Start Time 'ump Stop Time	1105	- •		Evacuation Me		•	tump ( )	14. 4 )
P β Minu Volume of V	Pump Start Time Pump Stop Time utes of Pumping Nater Removed id Well Go Dry?	1105 17 12 0500 ml		Y61 856	Peristaltic Pumi Pump Type: Samples collec	p (X) Sul CEOPUN ted by same me	bmersible Pump (	) Other/Spe	fy)
P A Minu Volume of V	rump Start Time rump Stop Time utes of Pumping Nater Removed id Well Go Dry? Water Quality M	1105 17 12 5500 mL Y (R)	erial Numbers:	, <del> </del>	Peristaltic Pum Pump Type: Samples collect	Sul GEOPUN ted by same me	omersible Pump ( AP thod as evacuation	) Other/Spa	(y)
P P Minu Volume of V	Pump Start Time Pump Stop Time utes of Pumping Nater Removed id Well Go Dry?	1105 17 12 0500 ml		YGL 656 Temp. (Colsius)	Peristaltic Pumi Pump Type: Samples collec	p (X) Sul CEOPUN ted by same me	bmersible Pump( 1P thod as evacuation	) Other/Spe	
P Ains Volume of V Di	Pump Start Time Pump Stop Time utes of Pumping Nater Removed id Well Go Dry?  Water Quality M	1105 17 12 5500 mL Y (R) letter Type(s)/S	erial Numbers:	Төгчр.	Peristaltic Pum Pump Type: Samples collect	Sp. Cond.	omersible Pump ( A P thod as evacuation TORBLDIM Turbidity (NTU)	) Other/Spa	ORP
P A Min. Volume of V D	Pump Start Time Pump Stop Time Autes of Pumping Nater Removed id Well Go Dry? Water Quality M Pump Rate (L/min.)	1105 17 - 12 5500 ml Y (i) leter Type(s)/S	Water Level (ft TIC)	Temp. (Celsius)	Peristaltic Pum Pump Type: Samples collect	Sp. Cond.	ornersible Pump ( ALP thod as evacuation TURESLEDIM Turbidity (NTU) [10% or 1 NTU]*	Other/Span? Y N (special ETER DO (mg/l)	ORP
P P P P P P P P P P P P P P P P P P P	Pump Start Time Pump Stop Time uites of Pumping Nater Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)	1105 1500 m/. Y (1) leter Type(s)/S Total Gellons Removed	Water Level (ft TIC)	Tomp. (Celeius) [3%]*	Peristaltic Pum Pump Type: Samples collect MSP pH [0.1 units]*	Sp. Cond. (mS/cm)	omersible Pump ( AP thod as evacuation TORBLDIM Turbidity (NTU) [10% or 1 NTU]*	Other/Span? Y N (special ETEE DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
P P P P P P P P P P P P P P P P P P P	Pump Start Time Pump Stop Time utes of Pumping Nater Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)	100 Y N N N N N N N N N N N N N N N N N N	Water Level (RTIC) 13-03	Temp. (Colsius) [3%]*	Peristaltic Pum Pump Type: Samples collect MSP pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	ornersible Pump (AP) thod as evacuation TURBLDIM Turbidity (NTU) [10% or 1 NTU]* 45	Other/Spon? Y N (special ETER DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Volume of V	Pump Start Time Pump Stop Time sites of Pumping Neter Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)  1000	1105 FF 12 SSC0 ml Y (1) leter Type(s)/S Total Gellons Removed	Water Level (ft TIC) 13.03 13.05	Torrep. (Colsius) [3%]*  [4.29] 13.17	Peristaltic Pum Pump Type: Samples collect MSP pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	omersible Pump ( AP thod as evacuation TORBLDIM Turbidity (NTU) [10% or 1 NTU]* 45	) Other/Spo n? Y N (speci NETER DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* -94.6
Volume of V D Time  1000 1019	Pump Start Time Pump Stop Time utes of Pumping Nater Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)	100 12 12 12 15 15 15 15 15 15 15 15 15 15 15 15 15	Water Level (RTIC) 13.03 13.05 13.05	Temp. (Colsius) [3%]*	Peristaltic Pum Pump Type: Samples collect MSP pH. [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	ornersible Pump (AP) thod as evacuation TURBLDIM Turbidity (NTU) [10% or 1 NTU]* 45	Other/Span? Y N (special ETER DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) (10 mV)* -97.6 -108.5
Volume of V	Pump Start Time Pump Stop Time sites of Pumping Neter Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)  1000	1105 FF 12 SSC0 ml Y (1) leter Type(s)/S Total Gellons Removed	Water Level (ft TIC) 13.03 13.05	Torrep. (Colsius) [3%]*  [4.29] 13.17	Peristaltic Pum Pump Type: Samples collect MSP pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	omersible Pump ( AP thod as evacuation TORBLDIM Turbidity (NTU) [10% or 1 NTU]* 45	) Other/Spo n? Y N (speci NETER DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* -94.6
Volume of V D Time  1000 1019	Pump Start Time Pump Stop Time altes of Pumping Nater Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)  100	100 12 12 12 15 15 15 15 15 15 15 15 15 15 15 15 15	Water Level (RTIC) 13.03 13.05 13.05	Temp. (Colsius)  3% *  4.29  3.11	Peristaltic Pum Pump Type: Samples collect MSP pH. [0.1 units]*	Sp. Cond. (mS/cm) [3%]*  0.744  0.765	ornersible Pump (AP) thod as evacuation TURBLDIM Turbidity (NTU) [10% or 1 NTU]* 45	Other/Span? Y N (special ETER DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) (10 mV)* -97.6 -108.5
Min. Volume of V  Di  Time  1000 1015 1020 1025	Pump Start Time Pump Stop Time utes of Pumping Nater Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)  100  100	1105 1500 ml Y (1)  leter Type(s)/S  Total Gellens Removed  1(700 1500 2500	Water Level (RTIC) 13.05 13.05 13.05	Temp. (Colsius) [3%]*  [4.29 18.17 13.74	Peristaltic Pum Pump Type: Samples collect MSP pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*  0.767	ornersible Pump (AP) thod as evacuation TURBLDIM Turbidity (NTU) [10% or 1 NTU]* 45 30 18	) Other/Spring Y N (special ETER DO (mg/l) [10% or 0.1 mg/l]*  8.86 2.04 1.46	ORP (mV) [10 mV]* -97.6 -108.5 -106.9
Fine  Time  1000 1019 1020 1025 1030	Pump Start Time Pump Stop Time altes of Pumping Nester Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)  100  100	1105 17 - 12 5500 m/l Y (R)  leter Type(s)/S  Total Gellons Removed 1(700) 1500 2500 3600	Water Level (ft.TIC)  13.03  13.05  13.05  13.05  13.05	Temp. (Colsius) [3%]*  [4.29 18.17 13.74 13.74	Peristaltic Pum Pump Type: Samples collect MSP pH. [0.1 units]* 6.91 6.96 7.04 7.010	Sp. Cond. (mS/cm) [3%]*  0.744  0.765  0.767	omersible Pump ( ALP thod as evacuation TURBLDIM Turbidity (NTU) [10% or 1 NTU]* 45 30 18 9	) Other/Spa n? Y N (special DO (mg/l) [10% or 0.1 mg/l]* 	ORP (mV) (10 mV)* -97.6 -108.5 -106.9 -106.9
Firme  1000 1015 1025 1035 1036 1040 The stabilizati	rump Start Time rump Stop Time altes of Pumping Nater Removed id Well Go Dry?  Water Quality M  Pump Rate (L/min.)  100  100  100	105 F 12 SSCO ml Y (I) leter Type(s)/S Total Gellene Removed 1000 1500 2500 3500 4000 ch field parameter	Water Level (RTIC)  13.03  13.05  13.05  13.05  13.05  13.05  13.05  13.05  13.05	Temp. (Colsius) [3%]*  14.29 18.17 13.74 13.74 13.75 13.75 13.75 13.19 cutive readings of INITIAL	Peristaltic Pum Pump Type: Samples collect MSP, pH,. [0.1 units]* 6.96 7.03 7.04 7.06 7.09 7.08	Sp. Cond. (mS/cm) [3%]*  0.744  0.765  0.767  0.765  0.765  0.765  0.765	omersible Pump (AP) thod as evacuation TORIST DIM Turbidity (NTU) [10% or 1 NTU]* 45	DO (mg/l) [10% or 0.1 mg/l]*  8.86  2.04  1.46  1.27  1.08	ORP (mV) (10 mV)* -97.6 -108.5 -106.9 -106.9 -107.0 -104.6

Well No. 108-17	SHOIGHA Name NEWFU STREET AREA IT
	Sampling Personnel AES
	Date OCTORER 4, ZODA
	Weather OLERCAST, COOL (608)

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]*
1046	100	4500	13-05	13-68	7110	0.765	3	ν٠88	108.2
1050	100	ಕರ್	13.05	13.70	7.09	0.765	2	0.80	-102.8
1055	100	තිතියට	13.05	13.72	4.07	0.765	2	0.85	-102.2
SAMPLE	DAT IL	<u> </u>	,					· · · · · · · · · · · · · · · · · · ·	
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teria for each field para MPLING METHOD DE	SEE PAGE 1	3- to 5-minute intervals)	is listed in each column he	ading.

Well No.	72R			S	ite/GMA Name		12-0	- 0	-MAI
Key No.				_	iling Personnel	50	=1/	<del></del>	
-	ound (ppm)	0			Date	/1-(0		······································	
_	space (ppm)			-	Weather	3		150	
	- F (FF-11)			-	***************************************	٠٠,	311112	3-	
WELL INFORMA	TION				-		Sample Time	15:4	(~)
	oint Marked?	VA N					•		<del>2</del>
Height of Re			. /	C 1	ı		Sample ID	<del></del>	<u> </u>
<del>-</del>	Vell Diameter		_ Meas. From	Ground	-		Duplicate ID		-1
				A . I			MS/MSD		<del></del> -
	nterval Depth		=	Ground	-		Split Sample iD		<del>-</del>
water	Table Depth		Meas. From	-	-				
145 .614	Well Depth		Meas. From		-	Required		Parameters:	Collected
-	/ater Column		. 13.4	3		( )		(Std. list)	( )
	Water in Well		•			$(\varphi)$		(Exp. list)	
Intake Depth of F	rumpri ubing	70.71	Meas. From	TIC	-	( ' )		/OCs	( )
<b></b>						( )	PCBs	(Total)	( )
Reference Point to						' (محمرُ )	PCBs (	Dissolved)	( Xen)
TIC: Top of inner		~				( )	Metals/Inor	ganics (Total)	( )
TOC: Top of Oute		) Casing				( )	Metals/Inorga	nics (Dissolved)	( )
Grade/BGS: Grou	and Surface					( )0)	EPA Cyanii	de (Dissolved)	(تصر)
							PAC Cyanic	de (Dissolved)	$\langle a \rangle$
Redevelop? Y	(N)					( ")	PCDD	s/PCDFs	( )
						( )	Pesticide	s/Herbicides	( )
						( )	Natural /	Attenuation	( )
						( )	Other	(Specify)	( )
EVACUATION IN	FORMATION	I							` ,
Pum	p Start Time	14.45							
Pum	p Stop Time	16.20	•		Evacuation Meth	nod: Bailer (	) Bladder Pu	umo (V	
	of Pumping	95	-		Peristaltic Pump	•	omersible Pump(		nif. / \
Volume of Wat			•					i umenane	
	er kemovea	2.59all	am s		Pump Type:			) Other/Spec	uly ( )
		2.59x10	ens - :		Pump Type: Samples collecte	Mars	chalk		
	vell Go Dry?	2.39all	9m *		Samples collecte	Mars		<del>-</del>	
Did V	Vell Go Dry?	Y	- :	45T.	, ,,	Mars	chalk		
Did V	Vell Go Dry?	Y N	- :	<u> 425</u>	Samples collecte	Mars	chalk		
Did V	Vell Go Dry?	Y	erial Numbers:	Temp.	Samples collecte	ed by same met	chalk hod as evacuation	N (specify	)
Did V	Vell Go Dry?	Y N	erial Numbers: Water	Temp.	Samples collecte	ed by same met	thalk had as evacuation?	N (specify	ORP
Did V	Vell Go Dry? ater Quality M Pump Rate	Y N Meter Type(s) / S Total Gallons	erial Numbers: Water Level	(Celsius)	Samples collected SS to 1	ed by same met  Sp. Cond. (mS/cm)	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV)
Did V	Vell Go Dry? ater Quality M Pump Rate (L/min.)	Y N  Meter Type(s) / S  Total  Gallons  Removed	erial Numbers: Water	i i	Samples collecte	Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify	ORP (mV) [10 mV]*
Did V	Vell Go Dry? ater Quality M Pump Rate (L/min.)	Y N  Neter Type(s) / S  Total Gallons Removed  0 - 1 3	erial Numbers: Water Level	(Celsius)	pH  [0.1 units]*	Marson end by same met MPS (Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV)
Did V	Vell Go Dry? ater Quality M Pump Rate (L/min.)	Y N  Meter Type(s) / S  Total  Gallons  Removed	erial Numbers: Water Level	(Celsius)	Samples collected SS to 1	Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Did V	Vell Go Dry? ater Quality M Pump Rate (L/min.)	Y N  Neter Type(s) / S  Total Gallons Removed  0 - 1 3	erial Numbers: Water Level	(Celsius)	pH  [0.1 units]*	Marson end by same met MPS (Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Time	Pump Rate (L/min.)	Y Note of the Property of the	erial Numbers: Water Level	(Celsius)	pH  [0.1 units]*	Marson end by same met MPS (Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Time	Pump Rate (L/min.)	Y Noteter Type(s) / S  Total Gallons Removed 0-13 0.29 0.42 0.55	erial Numbers: Water Level	(Celsius)	pH  [0.1 units]*	Marson end by same met MPS (Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Time	Pump Rate (L/min.)	Y Note of the Property of the	erial Numbers: Water Level	(Celsius)	pH  [0.1 units]*	Marson end by same met MPS (Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Time	Pump Rate (L/min.)	Y Noteter Type(s) / S  Total Gallons Removed 0-13 0.29 0.42 0.55	erial Numbers: Water Level	(Celsius)	pH  [0.1 units]*	Marson end by same met MPS (Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Time	Pump Rate (L/min.)	Y Noteter Type(s) / S  Total Gallons Removed 0-13 0.29 0.42 0.55	erial Numbers: Water Level	(Celsius)	pH  [0.1 units]*	Marson end by same met MPS (Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Time	Pump Rate (L/min.)	Y N  Neter Type(s)/S  Total Gallons Removed 0-13 0.29 0.42 0.55 0.69	water Level (ft TIC) 8.36 8.51 8.51 8.52	(Celsius)	pH  [0.1 units]*	Marson end by same met MPS (Sp. Cond. (mS/cm) [3%]*	thalk hod as evacuation?  Turbidity (NTU)	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Time  13.50 15.01 15.11 15.10 15.30	Pump Rate (L/min.) /OO /OO /OO	V Note of the second of the se	erial Numbers:  Water Level (ft TIC)  8.30  8.50  8.51  8.52  8.53  8.54	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.69  23.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time  13.50 15.01 15.11 15.10 15.30	Pump Rate (L/min.) /OO /OO /OO	V Note of the second of the se	erial Numbers:  Water Level (ft TIC)  8.30  8.50  8.51  8.52  8.53  8.54	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.69  23.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	N (specify  DO  (mg/l)	ORP (mV) [10 mV]*
Time  13.50 15.01 15.11 15.10 15.30	Pump Rate (L/min.) /OO /OO /OO /OO /OO /OO /OO /OO /OO /O	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.69  23.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time  13.50 15.00 15.10 15.10 15.10 15.30 The stabilization	Pump Rate (L/min.) /OO /OO /OO /OO /OO /OO /OO /OO /OO /O	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.69  23.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
Time  13.50 15.00 15.10 15.10 15.10 15.30 The stabilization	Pump Rate (L/min.) /OO /OO /OO /OO /OO /OO /OO /OO /OO /O	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.69  23.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  8 07  9 08  1.30  1.19	ORP (mV) [10 mV]*
Time  13.50 15.00 15.10 15.10 15.10 15.30 The stabilization	Pump Rate (L/min.) /OO /OO /OO /OO /OO /OO /OO /OO /OO /O	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.69  23.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  8 07  9 08  1.30  1.19	ORP (mV) [10 mV]*
Time  13.50 15.00 15.10 15.10 15.10 15.30 The stabilization	Pump Rate (L/min.) /OO /OO /OO /OO /OO /OO /OO /OO /OO /O	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.69  23.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  8 07  9 08  1.30  1.19	ORP (mV) [10 mV]*
Time  Time	Vell Go Dry?  ater Quality Markete (L/min.)  / O O	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.69  23.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  8 07  9 08  1.30  1.19	ORP (mV) [10 mV]*
Time  Time	Pump Rate (L/min.) /OO /OO /OO /OO criteria for ea	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.67  33.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  8 07  9 08  1.30  1.19	ORP (mV) [10 mV]*
Time  Time	Pump Rate (L/min.) /OO /OO /OO /OO /OO /OO /OO /OO /OO /O	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.67  33.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  5. 230  5. 250  5. 250  5. 250  5. 250	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  8 07  9 08  1.30  1.19	ORP (mV) [10 mV]*
Time  Time	Pump Rate (L/min.) /OO /OO /OO /OO /OO criteria for ea	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.67  33.69	pH [0.1 units]*  (0.5 3 (0.5 3 (0.5 3) (0.5 4) (0.5 4) (0.5 4) (0.5 5) (0.5 5)	Sp. Cond. (mS/cm) [3%]*  S. 230  S. 250  S. 25	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  8 07  9 08  1.30  1.19	ORP (mV) [10 mV]*
Time  Time	Pump Rate (L/min.) /OO /OO /OO /OO /OO criteria for ea	rotal Gallons Removed 0-13 0-29 0-42 0-55 0-69 1-08	erial Numbers:  Water Level (ft TIC)  S. 26  S. 51  S. 51	(Celsius) [3%]*  19.17  21.64  23.06  23.06  23.67  33.69	pH [0.1 units]*  (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50) (0.50)	Sp. Cond. (mS/cm) [3%]*  S. 230  S. 250  S. 25	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*  8 07  9 08  1.30  1.19	ORP (mV) [10 mV]*

Well No	72-1	R.		<b>6</b> :4	e/GMA Name		7/10	<u></u>	ΛΛ Λ .
		<u> </u>		-	ing Personnel	<u></u>	100	301	LAM
					Date		-(v=05		
					Weather		1000	ブくっ	
LL INFORM	MATION - See	Page 1					1		
	* Pump	Total	Water	Temp.	pН	Sp. Cond.	Turbidity	DO	ORP
Time	Rate (L/min.)	Gallons Removed	Level	(Celsius)	·	(mS/cm)	(NTU)	(mg/l)	(mV)
5:31	100	/- Z/	(ft TIC)	2370	[0.1 units]*	[3%]*	(10% or 1 NTU)*	[10% or 0.1 mg/l]*	[10 mV]*
5:36	100	1.34	8.55	33 12	6.51	5,290	4	138	335 S 334.7
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Well No.	139R			SI	ta/GMA Name	GMA	-/		
	5 X - 3 7	2			ing Personnel				
	kground (ppm)			_		10/13/03	-		
Well He	adspace (ppm)	0		<u>-</u>	Weather	Overcus	1, Rain,	5-00F	
WELL INFOR	MATION						Sample Time	13:55	
	e Point Marked?	(Y) N					Sample ID		
Height of	Reference Point	-0.50	Meas. From	Ground			Duplicate ID		
_	Well Diameter	2"	_		_		MS/MSD		
Scree	n Interval Depth	6-16		Ground	-		Split Sample ID		
Wi	ater Table Depth		_ Meas. From		<u>-</u>				
	•	14.36	_ Meas, From	712	-	Required		Parameters:	Collected
-	of Water Column of Water in Wel		- los d			( )	•	(Std. list)	( )
	of Pump/Tubing		Meas, From	TIL		( )		(Exp. list) /OCs	( )
					-	( )		(Total)	( )
Reference Poi	nt Identification:					(×)	PCBs (I	Dissolved)	(×)
TIC: Top of ins	ner (PVC) Casin	g				( )	Metals/Inor	ganics (Total)	( )
TOC: Top of C	Outer (Protective	) Casing				( )	Metals/Inorga	nics (Dissolved)	( )
Grade/BGS: G	Sround Surface	•				( )	EPA Cyania	le (Dissolved)	( )
Bullion to 15	ູ ຜັ <u>ງ</u>					( )		de (Dissolved)	( )
Redevelop?	YW					( )		s/PCDFs	( )
						( )		s/Herbicides Attenuation	( )
						( )		(Specify)	( )
	INFORMATION					, ,	Calc	(Option)	,
Р	ump Start Time	12:45	_						
P	ump Stop Time	14:05	-		Evacuation Me	thod: Bailer (	) Bladder P	ump()	
Minu	ites of Pumping	80	-		Peristaltic Pum	🛂	omersible Pump (	) Other/Spe	cify ( )
Volume of V	Vater Removed	2.1901	GNI		Pump Type:	Cian P	amp 2		
			-				7		<del></del>
D	id Well Go Dry?		-				hod as evacuation	? (Ÿ) N (speci	(y)
D	•	Y (T)		<i>Y51-</i> 5	Samples collec	ted by same me	hod as evacuation		<b>(y</b> )
Di	•				Samples collect	ted by same me	thod as evacuation $O3/9$ $A$		(y)
D	•	Y (T)			Samples collect	ted by same me	thod as evacuation $O3/9$ $A$		ORP
Time	Water Quality N	Y (Total Gallons	erial Numbers; Water	Hach Z Temp. (Celsius)	Samples collection SG MP.	sp. Cond.	thod as evacuation  O 3 / 9 A  Turbidity  (NTU)	DO (mg/l)	ORP (mV)
Time	Water Quality N	Y (T)	erial Numbers:	Hach 2	Samples collection S G MP	ted by same me 1 : 0 3 /- n > b / J / m Sp. Cond.	thod as evacuation  7 7 9 A  1 t c -  Turbidity  (NTU)  [10% or 1 NTU]	2	ORP
Time 12:55	Water Quality N	Y (Total Gallons	erial Numbers; Water	Hach Z Temp. (Celsius)	Samples collection SG MP.	sp. Cond.	thod as evacuation  O 3 / 9 A  Turbidity  (NTU)  [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
Time	Pump Rate (Limin.)	Y (N) Noter Type(s) / S Total Gallons Removed	Water Level (ft TIC)	Hach Z Temp. (Celsius)	Samples collection SG MP.	sp. Cond.	thod as evacuation  7 7 9 A  1 t c -  Turbidity  (NTU)  [10% or 1 NTU]	DO (mg/l)	ORP (mV) [10 mV]*
Time 12:55	Pump Rate (Limin.)	Y (N) Heter Type(s) / S Total Gallons Removed O. Z. 6	Water Level (ft.TIC)	Hach Z Temp. (Celsius) [3%]*	Samples collect  SG MP  100 P 7  pH  [0.1 units]	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  O 3 / 9 A  Turbidity  (NTU)  [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
72:55 13:05	Pump Rate (Limin.) /00ml	Y (N) Noter Type(s) / S Total Gallons Removed 0.26 0.53	Water Level (ft TIC) 8.04	Hach 7 Temp. (Celsius) [3%]*	Samples collect    SG MP	sp. Cond. (ms/cm) [3%]*	thod as evacuation  O 3 / 9 A  Turbidity (NTU) [10% or 1 NTU]*  9  7  4	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
12:55 13:05 13:10	Pump Rate (Limin.) //Om/	Y (N) Noter Type(s) / S Total Gallons Removed 0.26 0.53	Water Level (ft TIC) 8-00 8-04 8-10	Hach 7 Temp. (Celsius) [3%]"	Samples collect    SG MP	5:03/- n-bidim Sp. Cond. (mS/cm) [3%]* 0-762	thod as evacuation  O 3 / 9 A  Turbidity (NTU) [10% or 1 NTU]*  9  7	DO (mg/l) [10% or 0.1 mg/l]* 41. 40 38. 50	ORP (mV) [10 mV]*  /53. O
71me 72:55 13:05 13:10 13:15 13:20	Pump Rate (Limin.) /00ml /00ml	Y (N) Heter Type(s) / S  Total Gallons Removed  0.26  0.53  0.66  0.79	### Water Level (ft TIC)  ### 8.04  ### 8.14	Mach 2 Temp. (Colsius) [3%]*  13.99 13.94 13.92	Samples collect    SG MP	sp. Cond. (ms/cm) [3%]*  0.76 Z  0.76 Z  0.77 3	thod as evacuation  O 3 / 9 A  Turbidity (NTU) [10% or 1 NTU]*  9  7  4	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*  /53. O 152.5
12:55 13:05 13:10 13:15 13:20	Pump Rate (Limin.) //Om/ //Om/ //Om/ //O/m/	Y (N) Heter Type(s) / S  Total Gallons Removed  0.26  0.53  0.66  0.79  0.93	Water   Level (ft TIC)   8.00   8.10   8.14   8.18	Hach 2 Temp. (Celsius) [3%]* 13.99 13.94 13.92	Samples collect    SG MP	\$ 03 /-  \$ 03 /-  \$ 03 /-  \$ 03 /-  \$ 03 /-  \$ 03 /-  \$ 03 /-  \$ 03 /-  \$ 0.76 7 7 9	thod as evacuation  O 3 / 9 A  I / E /  Turbidity (NTU) [10% or 1 NTU]  9  7  4  3	DO (mg/l) [10% or 0.1 mg/l]* 41. 40 38.50 19.36 13.02	ORP (mV) [10 mV]*  /53. O   5 2. 5 /5 2. 0
72:55 13:05 13:15 13:15 13:20	Pump Rate (Limin.) /OOm! /OOm! /OOm! /OOm! /OOm!	Y (1)  Reter Type(s)/S  Total Gallons Removed  0.76  0.53  0.66  0.79  0.93	### Water Level (ft.TIC)  ### 8.00  ### 8.10  ### 8.18  ### 8.20	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.92	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19	sp. Cond. (ms/cm) [3%]* 0-762 0-765 0-773 0-784	thod as evacuation  O 3 / 9 A  Turbidity (NTU) [10% or 1 NTU]*  9  7  4  3	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*  /53. O 15 Z. S /52. O /51. 3
Time  12:55 13:05 13:15 13:20 13:25 13:30 13:35	Pump Rate (Limin.)  /00ml /00ml /00ml /00ml /00ml /00ml /00ml	Y (1)  Reter Type(s)/S  Total Gallons Removed  0.26  0.53  0.66  0.79  0.93  1.06  1.19  1.32	### Water Level (ft.TIC)  ### 8.00  ### 8.14  ### 8.18  ### 8.20  ### 8.23	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.92 13.90 13.89	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19  7.19  7.20	sp. Cond. (ms/cm) [3%]*  0.762  0.762  0.763  0.773  0.789  0.788	thod as evacuation  O 3 / 9 A  Turbidity (NTU) [10% or 1 NTU]*  9  7  4  3  3	DO (mg/l) [10% or 0.1 mg/l]*  41.40  38.50  19.36  13.02  10.14  8.93  8.06	ORP (mV) [10 mV]*  /53.0 152.5 /52.0 /51.3 /52.2 /53.5
Time  12:55  13:05  13:15  13:20  13:25  13:30  13:35  The stabilizati	Pump Rate (Limin.)  /00ml /00ml /00ml /00ml /00ml /00ml /00ml	Y (1)  Noter Type(s)/S  Total Gallons Removed  0.26  0.53  0.66  0.79  0.93  1.06  1.19  1.32  ch field paramet	### Water Level (ft TIC)  ### 8.00  ### 8.10  ### 8.14  ### 8.20  ### 8.21  ### 8.23  ### (three consections of the consection of the conse	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.92 13.90 13.89	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19  7.19  7.20	sp. Cond. (ms/cm) [3%]*  0.762  0.762  0.763  0.773  0.789  0.788	10% or 1 NTU **  9  7  5  4  3  7  2	DO (mg/l) [10% or 0.1 mg/l]*  41.40  38.50  19.36  13.02  10.14  8.93  8.06	ORP (mV) [10 mV]*  /53.0 152.5 /52.0 /51.3 /52.2 /53.5
Time  12:55  13:05  13:15  13:20  13:25  13:30  /3:35  The stabilization  Construction  To 17:16	Pump Rate (Limin.)  /OM  /OOM  /OOM	Total Gallons Removed  0.26  0.53  0.66  0.79  0.93  1.06  1.19  1.32  ch field paramet	### Water Level (ft TIC)  ### 8.00  ### 8.10  ### 8.14  ### 8.20  ### 8.21  ### 8.23  ### (three consectations  #### 0.00  ### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  ##### 0.00  ##########	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.90 13.89 13.87 cutive readings of	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19  7.19  7.20	sp. Cond. (ms/cm) [3%]*  0.762  0.762  0.763  0.773  0.789  0.788	10% or 1 NTU **  9  7  5  4  3  7  2	DO (mg/l) [10% or 0.1 mg/l]*  41.40  38.50  19.36  13.02  10.14  8.93  8.06	ORP (mV) [10 mV]*  /53.0 152.5 /52.0 /51.3 /52.2 /53.5
Time  12:55  13:05  13:15  13:20  13:25  13:30  /3:35  The stabilizationservation  To 14:14	Pump Rate (Limin.)  /OM  /OOM  /OOM	Total Gallons Removed  0.26  0.53  0.66  0.79  0.93  1.06  1.19  1.32  ch field paramet	### Water Level (ft TIC)  ### 8.00  ### 8.10  ### 8.14  ### 8.20  ### 8.21  ### 8.23  ### (three consectations  #### 0.00  ### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  ##### 0.00  ##########	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.90 13.89 13.87 cutive readings of	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19  7.19  7.20	sp. Cond. (ms/cm) [3%]*  0.762  0.762  0.763  0.773  0.789  0.788	10% or 1 NTU **  9  7  5  4  3  7  2	DO (mg/l) [10% or 0.1 mg/l]*  41.40  38.50  19.36  13.02  10.14  8.93  8.06	ORP (mV) [10 mV]*  /53.0 152.5 /52.0 /51.3 /52.2 /53.5
12:55 13:05 13:10 13:15 13:20 13:25 13:30 /3:35 The stabilization	Pump Rate (Limin.)  /OM  /OOM  /OOM	Total Gallons Removed  0.26  0.53  0.66  0.79  0.93  1.06  1.19  1.32  ch field paramet	### Water Level (ft TIC)  ### 8.00  ### 8.10  ### 8.14  ### 8.20  ### 8.21  ### 8.23  ### (three consectations  #### 0.00  ### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  ##### 0.00  ##########	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.90 13.89 13.87 cutive readings of	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19  7.19  7.20	sp. Cond. (ms/cm) [3%]*  0.762  0.762  0.763  0.773  0.789  0.788	10% or 1 NTU **  9  7  5  4  3  7  2	DO (mg/l) [10% or 0.1 mg/l]*  41.40  38.50  19.36  13.02  10.14  8.93  8.06	ORP (mV) [10 mV]*  /53.0 152.5 /52.0 /51.3 /52.2 /53.5
Time  12:55  13:05  13:15  13:20  13:25  13:30  13:35  The stabilization  Conservation  Total  SAMPLE DEST	Pump Rate (Limin.)  //// //// //// //// //// //// ////	Total Gallons Removed  0.26  0.53  0.66  0.79  0.93  1.06  1.19  1.32  ch field paramet	### Water Level (ft TIC)  ### 8.00  ### 8.10  ### 8.14  ### 8.20  ### 8.21  ### 8.23  ### (three consectations  #### 0.00  ### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  ##### 0.00  ##########	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.90 13.89 13.87 cutive readings of	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19  7.19  7.20	sp. Cond. (ms/cm) [3%]*  0.762  0.762  0.763  0.773  0.789  0.788	10% or 1 NTU **  9  7  5  4  3  7  2	DO (mg/l) [10% or 0.1 mg/l]*  41.40  38.50  19.36  13.02  10.14  8.93  8.06	ORP (mV) [10 mV]*  /53.0 152.5 /52.0 /51.3 /52.2 /53.5
Time  12:55  13:05  13:15  13:20  13:25  13:30  13:35  The stabilization  Conservation  Total  SAMPLE DEST	Pump Rate (Limin.)  100ml  100ml  100ml  100ml  100ml  100ml  100ml  100ml  100ml	Total Gallons Removed  0.26  0.53  0.66  0.79  0.93  1.06  1.19  1.32  ch field paramet	### Water Level (ft TIC)  ### 8.00  ### 8.10  ### 8.14  ### 8.20  ### 8.21  ### 8.23  ### (three consectations  #### 0.00  ### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  ##### 0.00  ##########	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.90 13.89 13.87 cutive readings of	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19  7.19  7.20	sp. Cond. (ms/cm) [3%]*  0.762  0.762  0.763  0.773  0.789  0.788	10% or 1 NTU **  9  7  5  4  3  7  2	DO (mg/l) [10% or 0.1 mg/l]*  41.40  38.50  19.36  13.02  10.14  8.93  8.06	ORP (mV) [10 mV]*  /53.0 152.5 /52.0 /51.3 /52.2 /53.5
Time  12:55  13:05  13:15  13:20  13:25  13:30  13:35  The stabilization  Conservation  Total  SAMPLE DEST	Pump Rate (Limin.)  100ml	Total Gallons Removed  0.26  0.53  0.66  0.79  0.93  1.06  1.19  1.32  ch field paramet	### Water Level (ft TIC)  ### 8.00  ### 8.10  ### 8.14  ### 8.20  ### 8.21  ### 8.23  ### (three consectations  #### 0.00  ### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  #### 0.00  ##### 0.00  ##########	Mach 2 Temp. (Celsius) [3%]*  13.99 13.94 13.92 13.90 13.89 13.87 cutive readings of	Samples collect  56 MP.  100 P 7  pH  [0.1 units]*  7.02  7.14  7.17  7.18  7.19  7.19  7.20	1:03 F N 6:17:20 Sp. Cond. (mS/cm) [3%]* 0-76 Z 0-76 Z 0-76 Z 0-76 Z 0-78 Y 0-78 Y 0-78 Y 5-minute interva	10% or 1 NTU **  9  7  5  4  3  7  2	DO (mg/l) [10% or 0.1 mg/l]*  41.40  38.50  19.36  13.02  10.14  8.93  8.06	ORP (mV) [10 mV]*  /53.0 152.5 /52.0 /51.3 /52.2 /53.5

C:WORKGEGroundwelp/554199AttechmentD-2

Well No. 139 R	Site/GMA Name	GMA-1
	Sampling Personnel	GAR
	Date	10/13/05
	Weather	Overeast, Rain, 50°F

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	p <b>H</b> [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	1.46	8.24	13.86	7.20	0.796	2	7.68	154.2
13:45	100 m 1	1.59	8.25	13.78	7-20	6.799	Z	7-50	156-1
13'- 50	100m)	1.72	8.25	13.74	7.20	0.800	Z	7.11	157.9
13.55	100ml	1.85	8.25	13.68	7.20	0.802	2	7.15	160.3
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				<del> </del>			<u> </u>	· · · · · · · · · · · · · · · · · · ·	

				L					
* The stabilizati	on criteria for ea	ich field paramel	er (three consec	utive readings o	collected at 3- to	5-minute interva	als) is listed in each	column heading.	
OBSERVATIO	NS/SAMPLING	METHOD DEVI	ATIONS						

	VO. GMA	1-6		:	Site/GMA Nam	e 2/10 1 6 1	KEET AKE	A I SCUTH	IRMA-1
	Vo				pling Personne				
PID B	ackground (pp	m)			Dat	e OCTON	TR 18,200	5	
Well	Headspace (pp	ım)						OS), OVERC	AST
WELL INFO	NO LE ATION			:			•		
								e <u>/0:05</u>	
	nce Point Mark			C	.•	•		GMH1-6	<u> </u>
Height	of Reference Po		Meas, Fron	Ground			Ouplicate II		
_	Well Diame		<del>_</del>	Ground				OMETIC	) <u> </u>
	reen Interval De						Split Sample IC	) <del></del>	
,	Water Table De					Did			
	Well De		Meas. From	712	_	Required		al Parameters:	Collected
_	of Water Colu		<u></u>			(Pyrax)		s (Std. list)	( <b>%</b> ()
	e of Water in W					( <b>)</b>		(Exp. list)	المغذا
Intake Depi	th of Pump/Tubi	ing <u>//- 5 "</u>	Meas. From	TIL	<del>-</del>	( )		SVOCs	.( ),
·		".			*2	( )		Bs (Total)	( )
	oint Identification	_			•	(×)	PC8s	(Dissolved)	
	Inner (PVC) Cas	-				( )		organics (Total)	( )
TOC: Top of	Outer (Protecting	ve) Casing				( )	Metats/Inorga	anics (Dissolved)	( )
Grade/BGS:	Ground Surface	3		* -		( )	PCDI	Ds/PCDFs ,	·* ( )
						( )	Pesticide	es/Herbicides	( )
Redevelop?	Y(N)					( )	Natural	Attenuation	( )
	_					( )	, Othor	r (Specify)	( )
EVACUATIO	N INFORMATIC	)N		•	₹.		F		
1	Pump Slart Tim	e <u>840</u>							
	Pump Stop Tim	· 1010			Evacuation Me	ethod: Bailor	( ) Bladder	Pump ( )	
Min	lutes of Pumpin	9 90			Peristattic Pur	np(X) S	iubmersible Pumpi	( ) Other/Sp	pecify ( )
Volume of	Water Remove	0 7600 C	ν <b>1</b>		Pump Type:	GEOPLI	UP 7		
	Old Well Go Dry		•.0		Samples colle	cted by same m	ethod as evacuation	n? Y N (spec	ify)
	Water Quality	Meler Type(s) / S	Serial Numbers:	YSLEESO	MSP, +	1ACH 211	OOP TURBI	DIMETER	237
Time	Pump	Total	Water	Temp.	MSP, +	Sp. Cond.	Turbidity	DO	ORP (mV)
Time	c Pump Rate	Total Gallons	Water Level	Temp. (Celsius)	рН	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	(mV)
	Rate (L/min.)	Total	Water Level (ft TIC)	Temp.	·	Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	!
845	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC) 7-85	Temp. (Celsius)	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	(mV)
845 850	Pump Rate (L/min.)	Total Gallons Removed	Water Level (R TIC) 7-85	Temp. (Celsius)	рН	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]  4 7	DO (mg/l)	(mV)
845 850 855	Pump Rate (L/min.) 1000	Total Gallons Removed	Water Level (RTIC) 7-85 8-01	Temp. (Celsius)	pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	(mV)
845 850 855 * 900	Pump Rate (Umin.) 100	Total Gallons Removed	Water Level (R TiC) 7-85 8-01 6-06	Temp. (Celsius)	pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* 4 %	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
845 850 855 2900 900	Pump Rate (L/min.) 1000	Total Gallons Removed	Water Level (RTIC) 7.86 8.06 6.56 8.06	Temp. (Celsius)	pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* 4 % 119 4 % 7 %	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
845 850 855 * 900	Pump Rate (Umin.) 100 100 100 100	Total Gallons Removed  SCO LOCO LOCO LOCO ZOCO ZOCO ZOCO ZOCO ZO	Water Level (RTIC) 7-86 8-06 8-06 8-06	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* 476 119 47 476 119 47	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
845 850 855 2900 900	Pump Rate (Umin.)  1000 1000 1000 1000 1000 1000	Total Gallons Removed  SOC LOCO LOCO LOCO LOCO LOCO LOCO LOCO	Water Level (RTIC) 7-85 8-016 8-016 8-016 2-016	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 4 % 119 4 % 7 %	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
845 850 855 2900 900	Pump Rate (Umin.) 1000 1000 1000 1000 1000 1000 1000 10	Total Gallons Removed	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU]* 476 119 47 476 119 47	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
845 850 855 2900 2900	Pump Rate (Umin.) 1000 1000 1000 1000 1000 1000 1000	Total Gallons Rémoved  SOC LOSTO LOSTO SOCIO SOC	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  470  119  470  740  740  751  369	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
840 850 855 900 905 910 915 925 925	Pump Rate (Umin.) 1000 1000 1000 1000 1000 1000 1000 10	Total Gallons Removed	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]  47  119  47  120  74  75  71  39  32	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
845 850 855 2900 900	Pump Rate (Umin.) 1000 1000 1000 1000 1000 1000 1000 10	Total Gallons Removed  SCO LOCO LOCO LOCO LOCO LOCO LOCO LOCO	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  470  119  470  740  740  751  369	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
840 850 855 900 905 910 915 925 925	Pump Rate (Umin.) 1000 1000 1000 1000 1000 1000 1000 10	Total Gallons Rémoved  SOC LOSTO LOSTO SOCIO SOC	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]  47  119  47  120  74  75  71  39  32	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
840 850 855 900 900 910 915 925 925 925 935 0935 0940 The stabilizati	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Removed  SCO LOCO LOCO LOCO LOCO LOCO LOCO LOCO	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp.   (Celsius)   (3%)*	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]  47  119  47  120  74  75  71  39  32	DO (mg/l) [10% or 0.1 mg/l]*	(mV)
845 850 855 905 905 916 916 925 925 935 0935 0940 The stabilizati	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Rémoved  SCO LOCO LOCO ACT	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp.   (Celsius)   (3%)*	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 4 #C 119 4   14   14   15   15   16   17   17   17   18   18   18   18   18   18   18   18	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]* -95.1 -98.9 -98.9
845 850 855 905 905 916 916 925 925 935 0935 0940 The stabilizati	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Rémoved  SCO LOCO LOCO ACT	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp.   (Celsius)   (3%)*	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 4 #C 119 4   14   14   15   15   16   17   17   17   18   18   18   18   18   18   18   18	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
840 850 855 900 900 910 915 925 925 925 935 0935 0940 The stabilizati	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Rémoved  SCO LOCO LOCO ACT	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp.   (Celsius)   (3%)*	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 4 #C 119 4   14   14   15   15   16   17   17   17   18   18   18   18   18   18   18   18	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
845 850 855 905 910 915 925 925 925 935 0935 0940 The stabilizati	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Rémoved  SCO LOCO LOCO ACT	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp.   (Celsius)   (3%)*	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 4 #C 119 4   14   14   15   15   16   17   17   17   18   18   18   18   18   18   18   18	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
845 860 865 966 910 915 925 925 925 0935 0940 The stabilization	Pump Rate (L/min.) 100 100 100 100 100 100 100 100 100 10	Total Gallons Rémoved  SCO LOCO LOCO ACT	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp.   (Celsius)   (3%)*	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 4 #C 119 4   14   14   15   15   16   17   17   17   18   18   18   18   18   18   18   18	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
845 860 865 905 910 915 925 925 925 925 0935 0940 The stabilization	Pump Rate (L/min.)  100  100  100  100  100  100  100  1	Total Gallons Rémoved  SCO LOCO LOCO ACT	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp.   (Celsius)   (3%)*	pH  [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 4 #C 119 4   14   14   15   15   16   17   17   17   18   18   18   18   18   18   18   18	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
SGO	Pump Rate (Lmin.) 100 100 100 100 100 100 100 100 100 10	Total Gallons Rémoved  SCO LOCO LOCO ACT	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp. (Celsius) [3%]*  [5.80) [5.99] [6.07] [6.1] Utive readings of (C.17)	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)  47  119  47  TU  TU  TU  TU  TU  TU  TU  TU  TU  T	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
845 850 855 905 910 915 925 925 925 935 0935 0940 The stabilization	Pump Rate (Lmin.) 100 100 100 100 100 100 100 100 100 10	Total Gallons Rémoved  SCO LOCO LOCO ACT	Water Level (RTIC) 7-85 8-04 8-04 8-04 8-04 8-04 8-04 8-04 8-04	Temp. (Celsius) [3%]*  [5.80) [5.99] [6.07] [6.1] Utive readings of (C.17)	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)  47  119  47  TU  TU  TU  TU  TU  TU  TU  TU  TU  T	DO (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]* 

Well No. GMA-6	Site/GMA Name	EBST STUDET HELD I SOUTH
	Sampling Personnel	
	Date	CODETE BERCOTE
	Weather	ELECTION (500) (500) (500)

WELL	INFORM	ATION -	Saa	Page 1
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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]*
1995	100	(OCTE)	8 Ok	16:14	637	1. 101	8	0 11	983
04675	100	4500	80.	16.15	6.82	1.702	7	0.64	483
COST	1000	2.0	200	10.12	6 86	1.700	7	045	-48 S
<u> 1066 -</u>	100	TOGG	8 Cz.	16.10	12.84	1. 70	6	C. 55.5	78 8
	:								
- <u></u>									<del></del>
								·	
		1		1		1			

* The stabilizati		cutive readings	collected at 3- to	5-minute interva	is) is listed in e	each column heading.	<u> </u>

Well No.	GMA1-	18		Si	te/GMA Name	GMA-	/		
Key No.	NA			Sampi	ing Personnel	GAR			
PID Bac	kground (ppm)	0		<b>-</b>	Date	10/13/05	<u></u>		
Well He	edspace (ppm)	0		-	Weather	Overes	t, Rain,	30°F	
WELL INFORM	MATTON						Sample Time	16:40	
	e Point Marked?	(Y) N					Sample ID	GMA1-18	
Height of	Reference Point	-0.201	Meas. From	Ground	_		Duplicate ID		
_	Well Diameter	Z."					MS/MSD		
Scree	n interval Depth		Meas. From	Ground	-		Split Sample ID	<del></del>	<del> </del>
We	eter Table Depth	3.91'	Meas. From		_				
	Well Depth		Meas. From	TIC	•	Required		Parameters:	Collected
-	of Water Column of Water in Well	1 1 0				( )		(Std. list)	( )
	of Pump/Tubing	8.8	_ Meas. From	716		( )		(Exp. list) OCs	( )
make Debu	or rumprussig				•	( )		(Total)	( )
Reference Poir	nt Identification:					( مر)		Dissolved)	( <b>&gt;c</b> )
	ner (PVC) Casing	1					Metals/Inor	ganics (Total)	( )
TOC: Top of C	uter (Protective)	Casing				( )	Metals/Inorga	nica (Dissolved)	( )
Grade/BGS: G	iround Surface					( )	EPA Cyanio	te (Dissolved)	. ( )
	_					( )	PAC Cyania	ie (Dissolved)	( )
Redevelop?	Y (N)					( )		s/PCDFs	( )
*	_					( )		s/Herbicides	( )
						( )		Attenuation	( )
EVACUATION	INFORMATION					( )	Other	(Specify)	( )
	ump Start Time	15:39							•
	ump Stop Time		-		Evacuation Me	thod: Bailer (	) Bladder P	ump <b>X</b> )	
	ites of Pumping		-		Peristaltic Pum	•	bmersible Pump (		cify ( )
Volume of V	Vater Removed id Well Go Dry?	1.90 ga	llons		Pump Type:	Marsch	alk - systo	m Onc	
Di	id Well Go Dry?	y (N)∕			Samples coffee	ted by same me	thod as evacuation	1? 🕎 N (specil	y)
				V11 - 5	C)O.	:03F0	319 AT		
	Water Quality M	ener (ype(s)/S	enai Numbers:			Turbillin		1.	<del></del>
	Pump	Total	Water	Temp.	pH	Sp. Cond.	Turbidity	<sup>™</sup> 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 0.1 mg/l]*	[10 mV]*
15:44	100ml	0.13	3.93'				/3		
15.50	100m)	0.29	3.93	14.50	+ -	0.468	36	38.05	138.6
16:00	100ml	0.56	3.97	15.00	7.27	0.479	30	11.77	162.3
16:05	100 ml	0.69	3.97	15.04	7.28	0.488	16	8.36	150,9
16.10	100ml	0.82	3.98	15.06	7.29	0.491	11	7.86	113-6
16:15	100ml	0-95	3.99	15-06	7-29	0.493	7	7.84	106.7
16:20	100ml	1.08	3.99	15.11	7.29	0.494	6	7.80	104.4
16.25	100ml	1. 22	3.99	15.06	7.29	0.493	4	7.73	103.9
* The stabilizati	on criteria for ea	ch field paramet	ter (three conse	cutive readings o	collected at 3- to	5-minute interva	uls) is listed in each	column heading.	
	NS/SAMPLING								
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SAMPLE DES									
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Delivered Via:				=					
Airbill #:				<b>-</b> .	Field Sampling	g Coordinator:	<del></del>	The state of the s	
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Well No. GMA 1-18	Site/GNA Name	GMA-1		
•	Sampling Personnel	GAR		
	Date	10/18/05		
	Weather	Overcast,	Rain 500F	

Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
16:30	100ml	1.35	3.99	15.02	7.30	0.491	4	7.73	102.9
	100ml	1.48	4.00	14.98	7-30	0.490	4	7.72	102.7
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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.										
OBSERVATIO	OBSERVATIONS/SAMPLING METHOD DEVIATIONS									
			*.							
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# **Historical Groundwater Data**



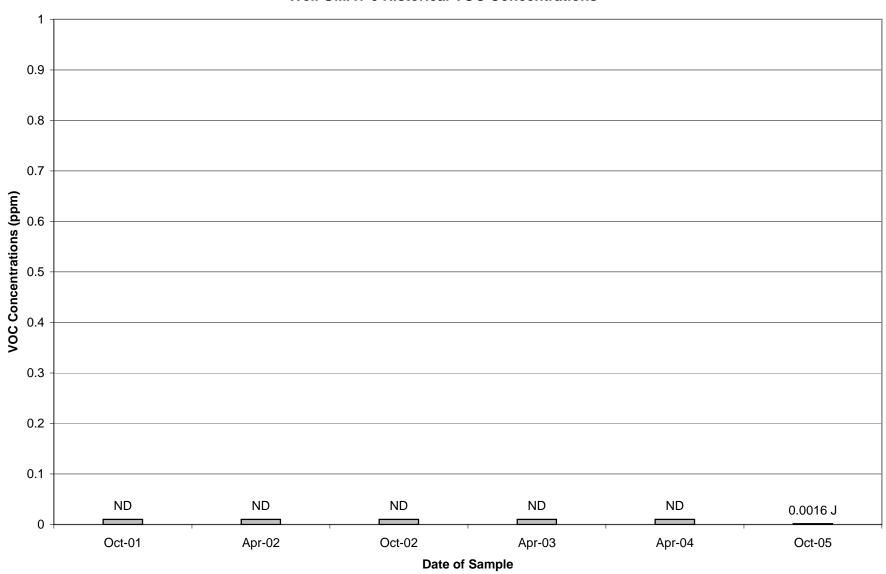
# Historical Groundwater Data

# **Total VOC Concentrations – Wells Sampled in Fall 2005**



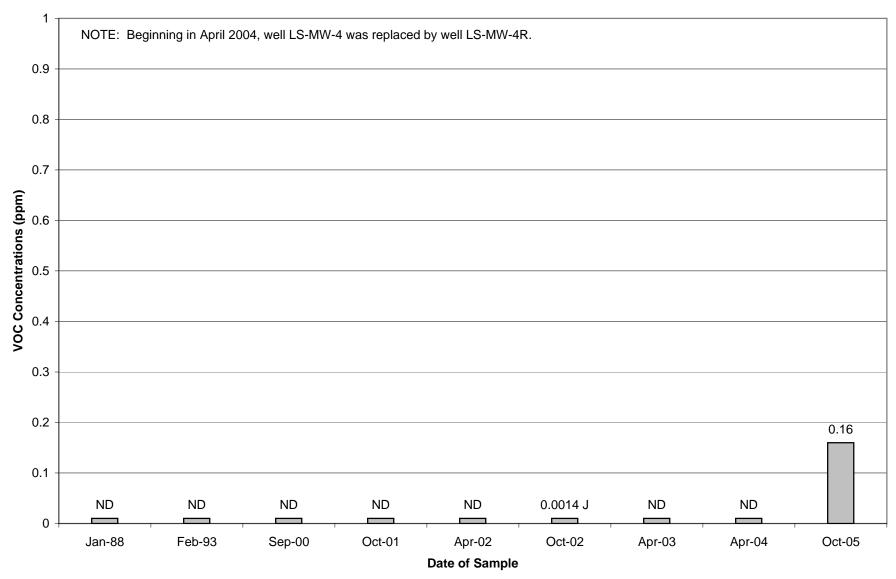
# Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

#### **Well GMA1-6 Historical VOC Concentrations**



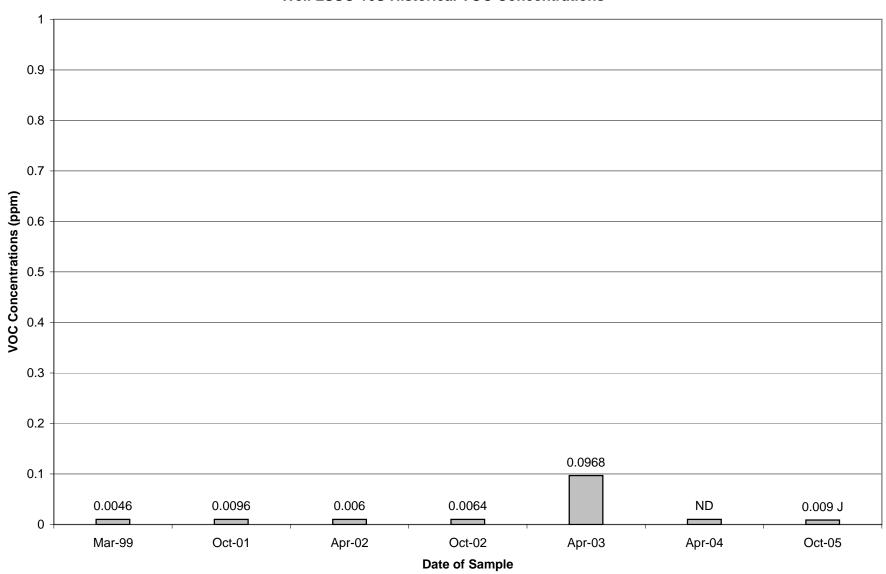
# Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



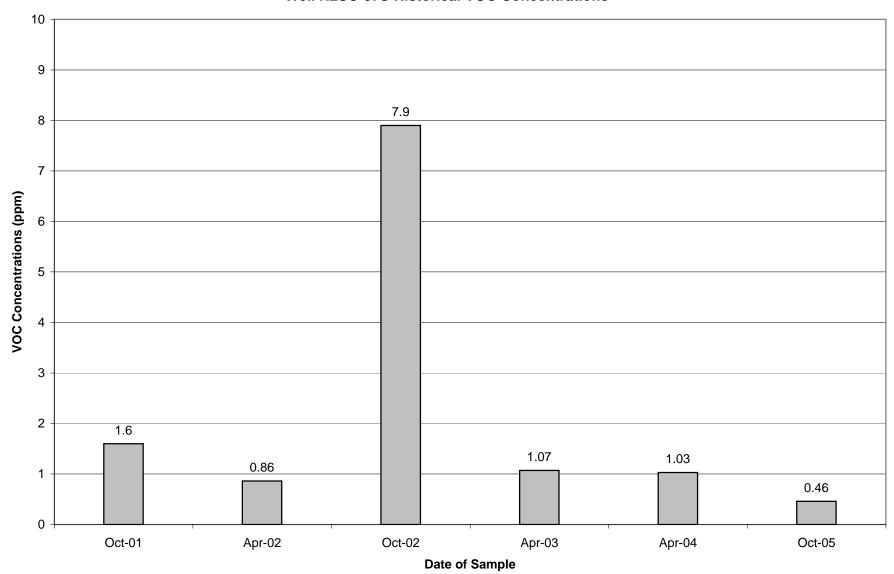
# Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

#### **Well LSSC-16S Historical VOC Concentrations**



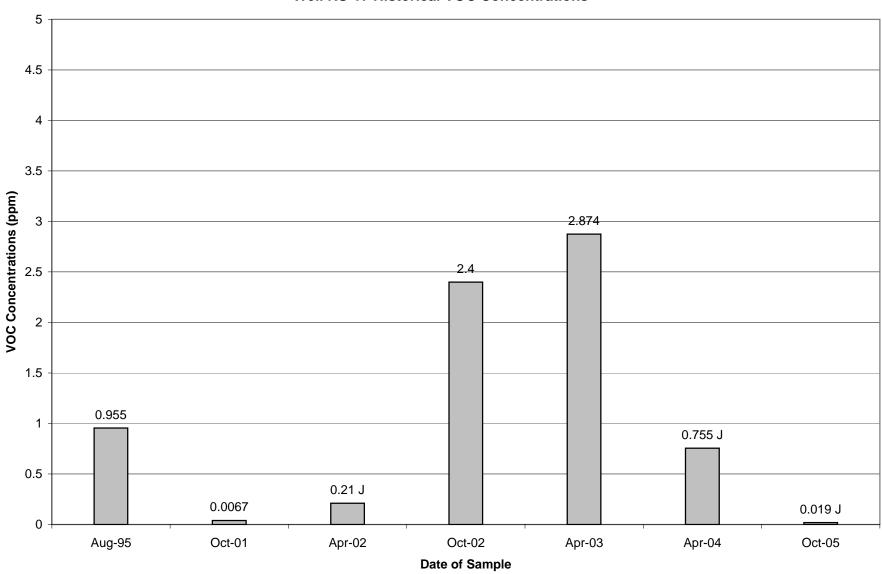
# Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

#### **Well N2SC-07S Historical VOC Concentrations**



# Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

#### **Well NS-17 Historical VOC Concentrations**



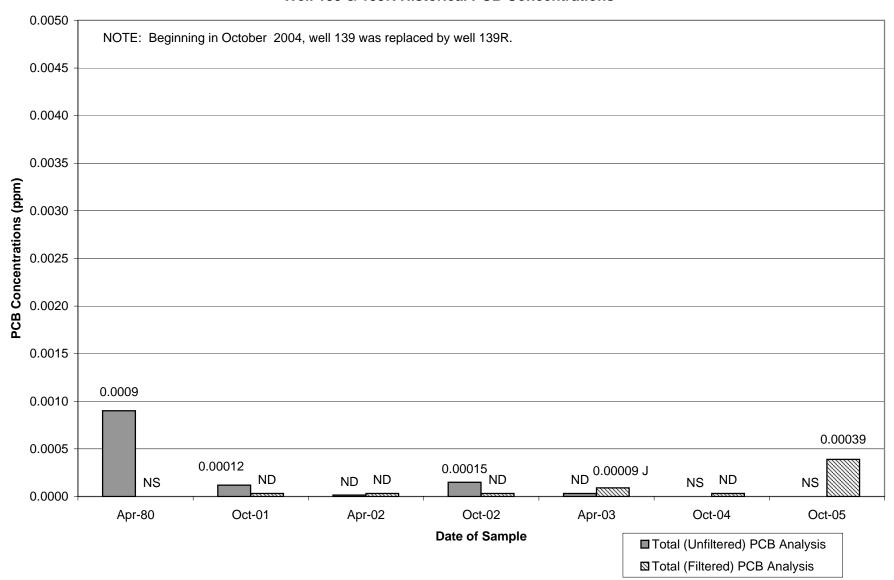
# Historical Groundwater Data

# **Total PCB Concentrations – Wells Sampled in Fall 2005**



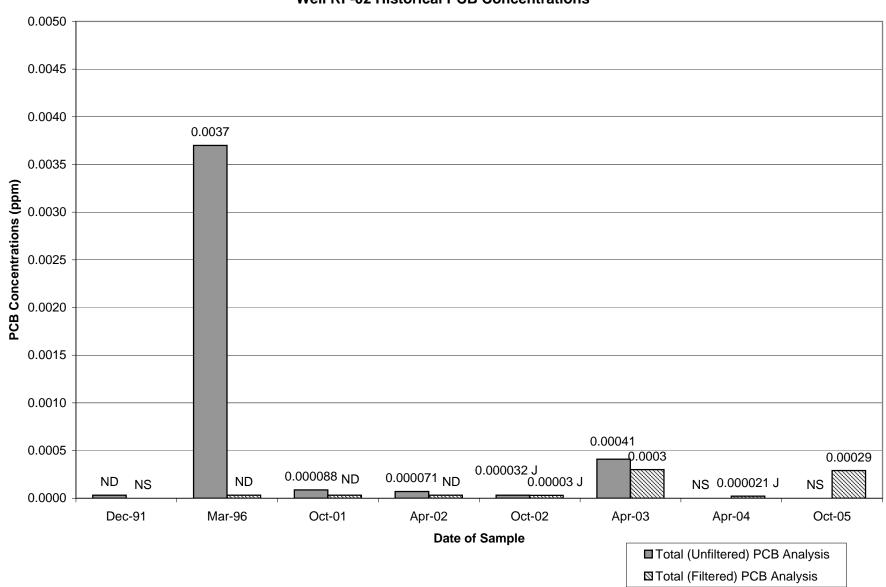
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### Well 139 & 139R Historical PCB Concentrations



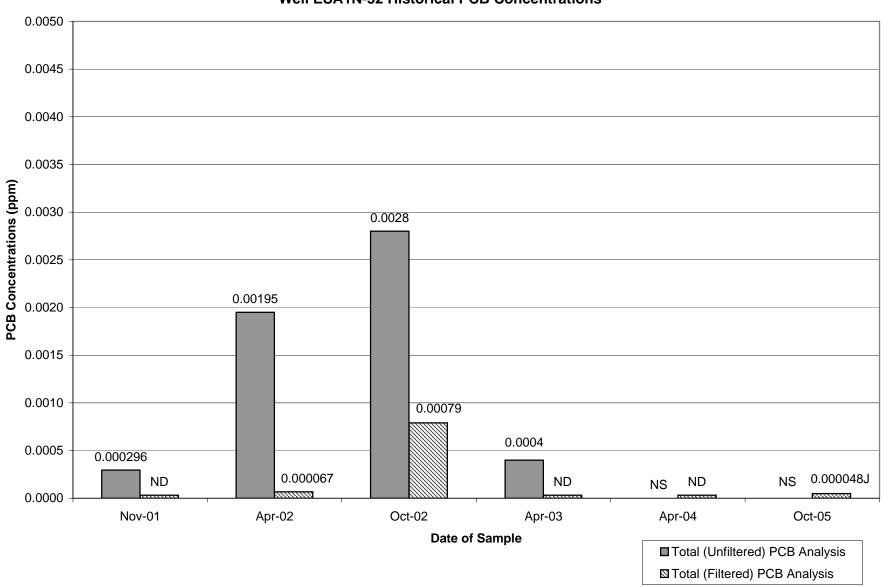
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well RF-02 Historical PCB Concentrations**



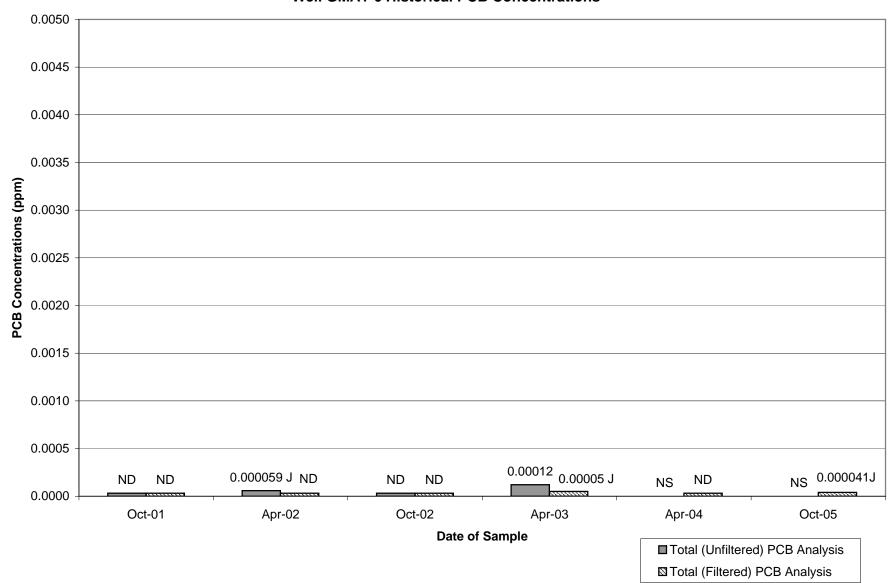
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well ESA1N-52 Historical PCB Concentrations**



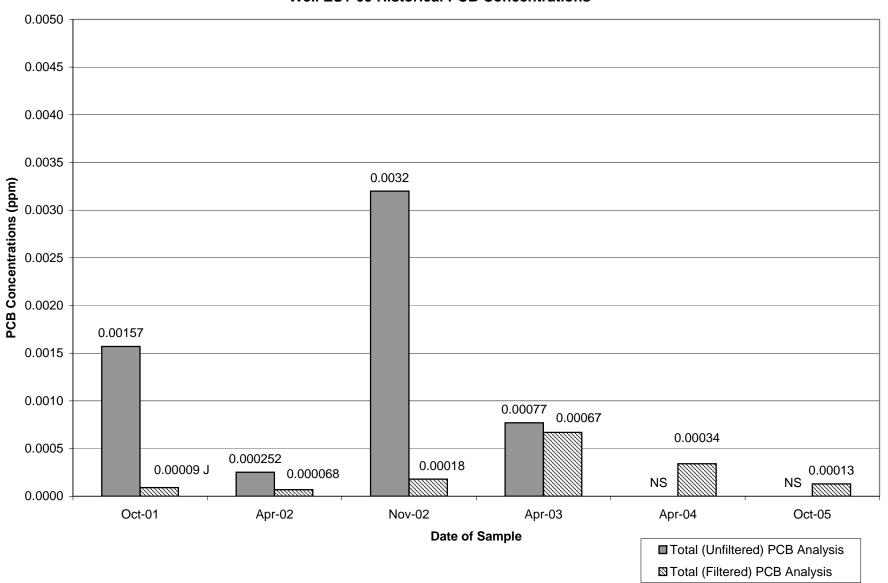
# Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well GMA1-6 Historical PCB Concentrations**



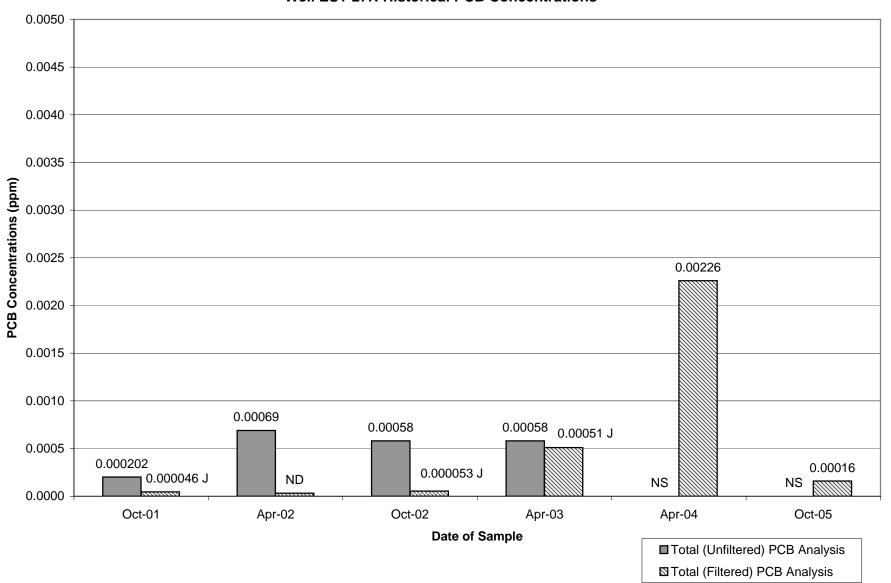
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well ES1-05 Historical PCB Concentrations**



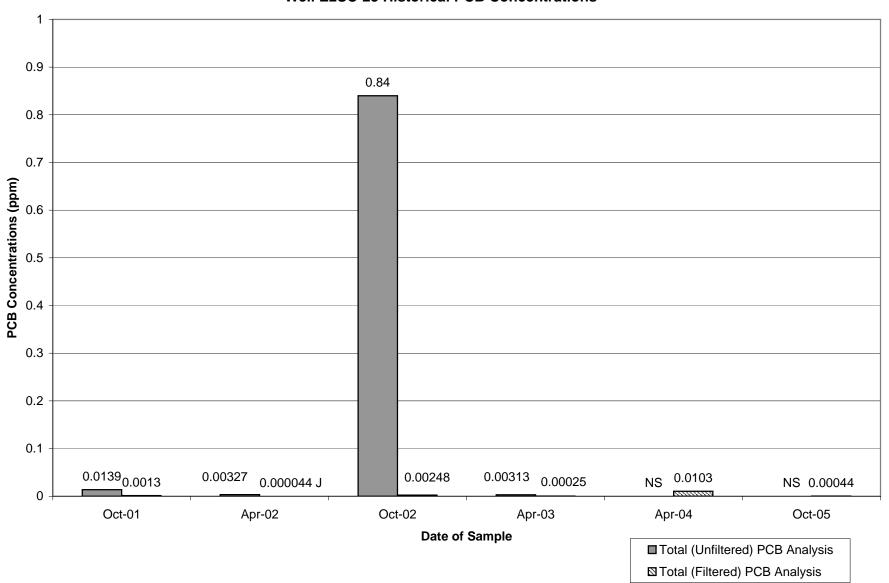
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well ES1-27R Historical PCB Concentrations**



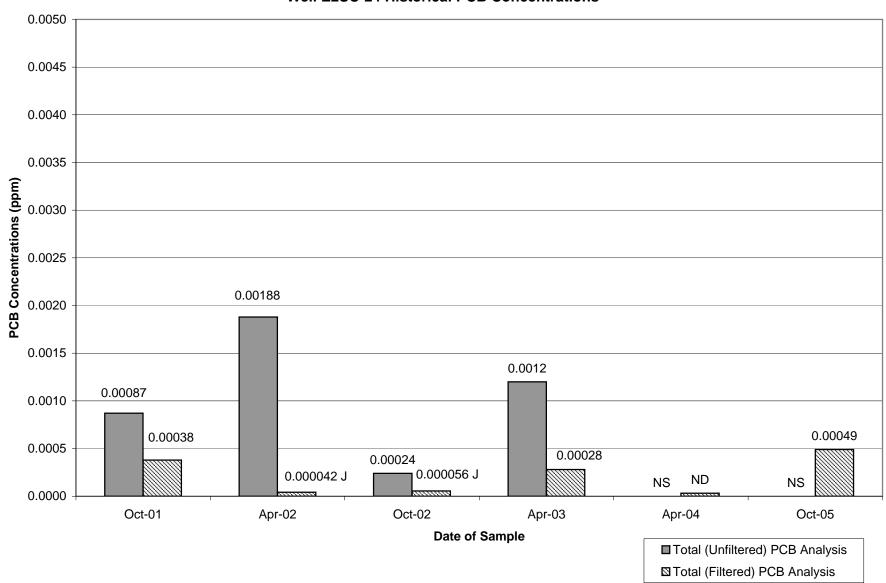
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well E2SC-23 Historical PCB Concentrations**



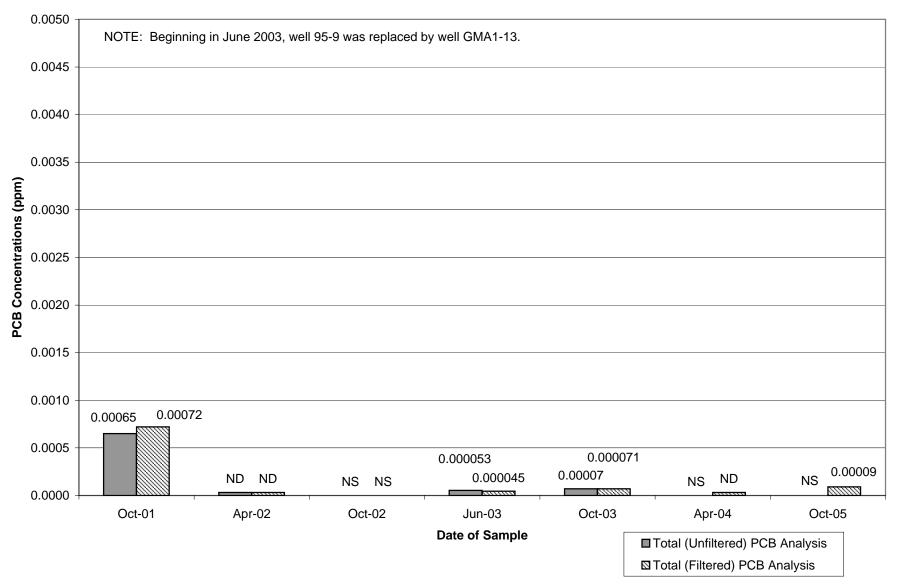
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well E2SC-24 Historical PCB Concentrations**



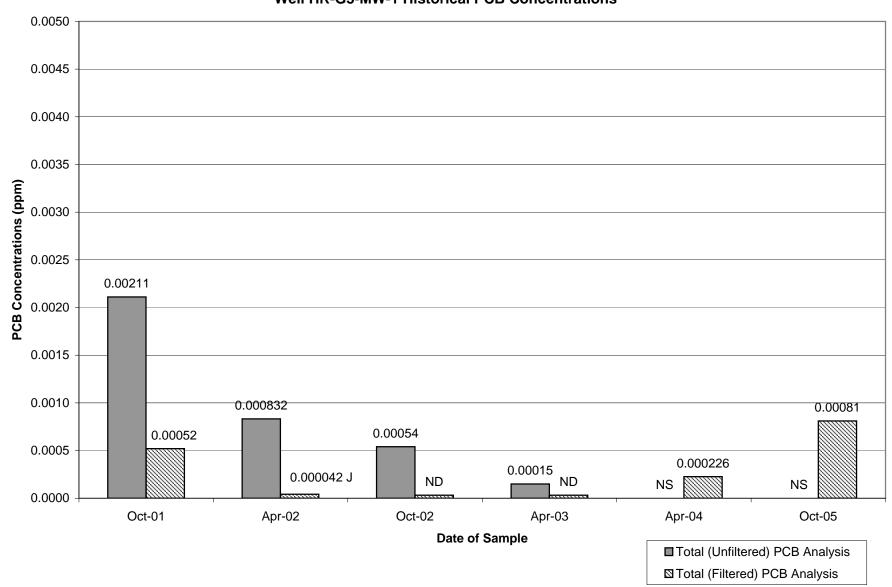
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### Well 95-9 & GMA1-13 Historical PCB Concentrations



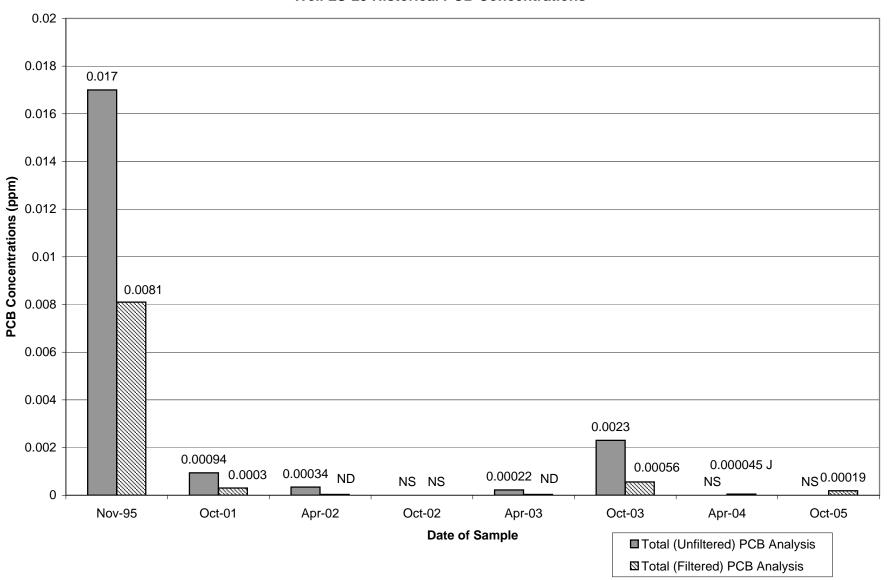
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### Well HR-G3-MW-1 Historical PCB Concentrations



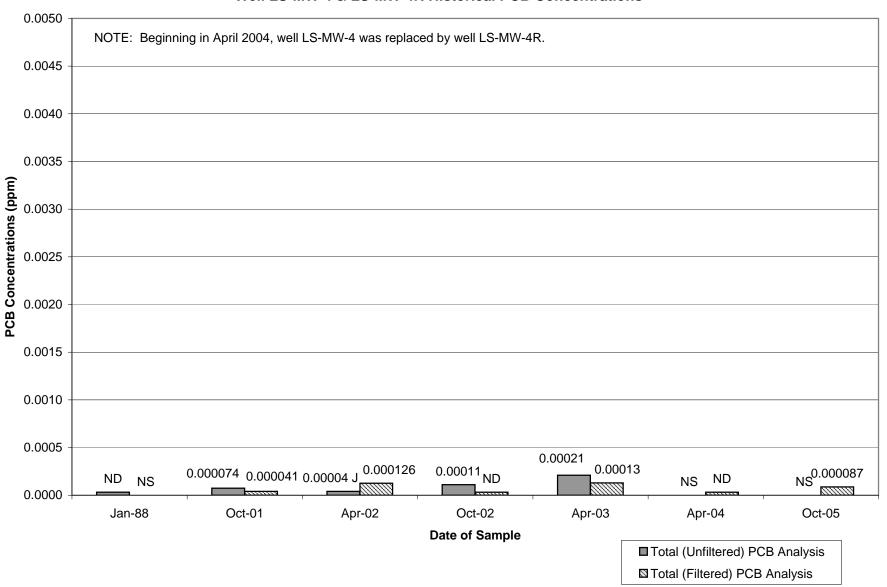
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well LS-29 Historical PCB Concentrations**



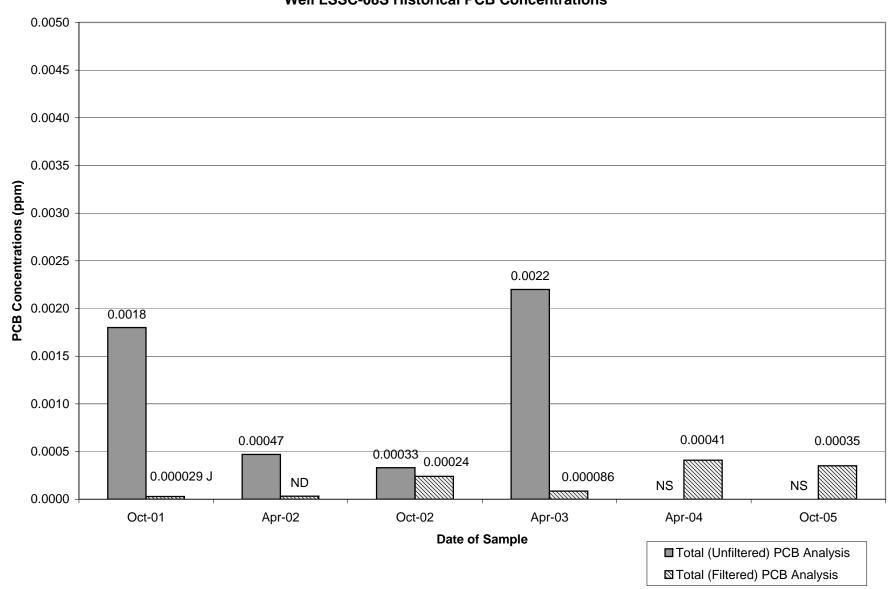
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



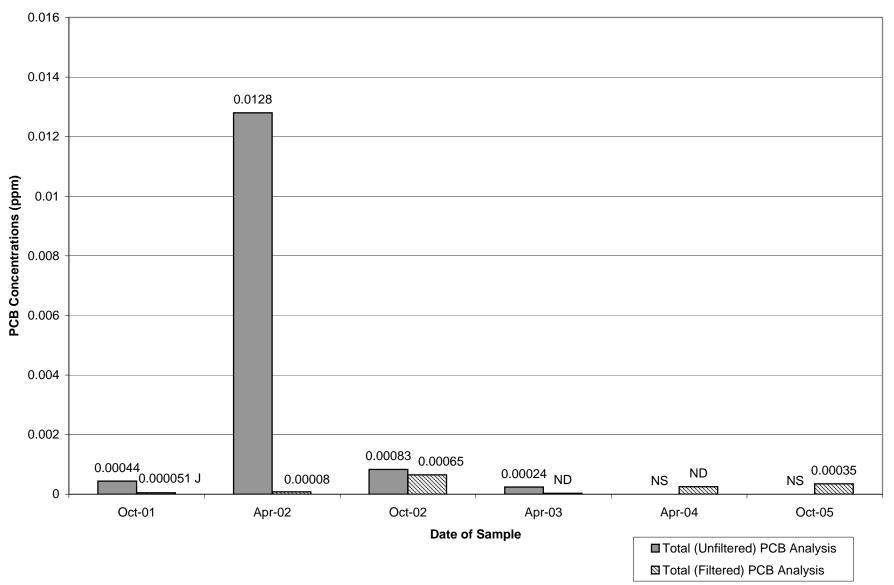
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well LSSC-08S Historical PCB Concentrations**



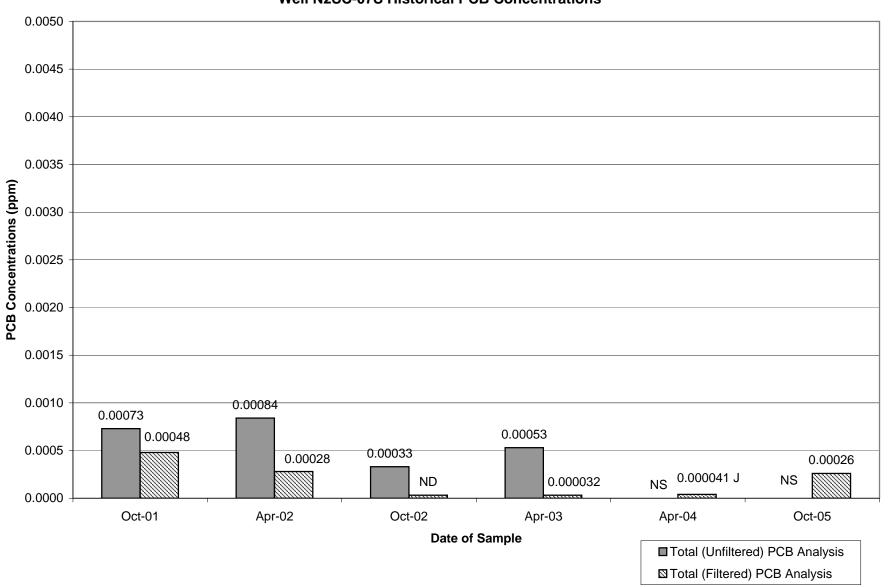
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well LSSC-18 Historical PCB Concentrations**



### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well N2SC-07S Historical PCB Concentrations**



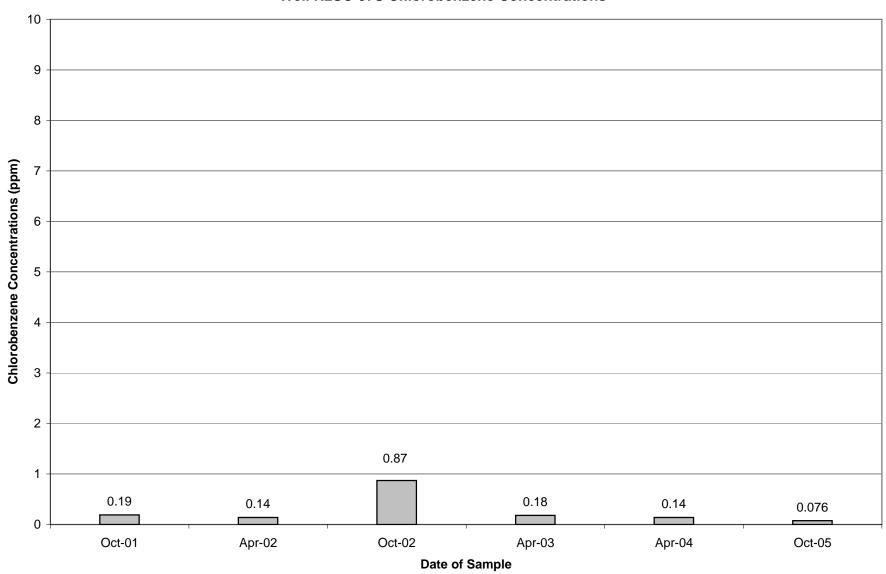
### Historical Groundwater Data

# Chlorobenzene Concentrations – Selected Wells



### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

### **Well N2SC-07S Chlorobenzene Concentrations**



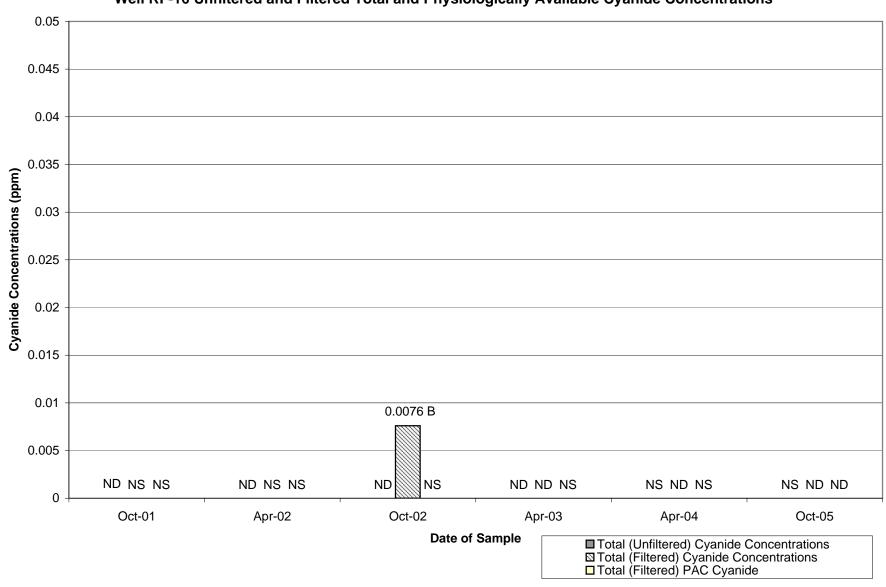
### Historical Groundwater Data

# **Cyanide Concentrations – Wells Sampled in Fall 2005**



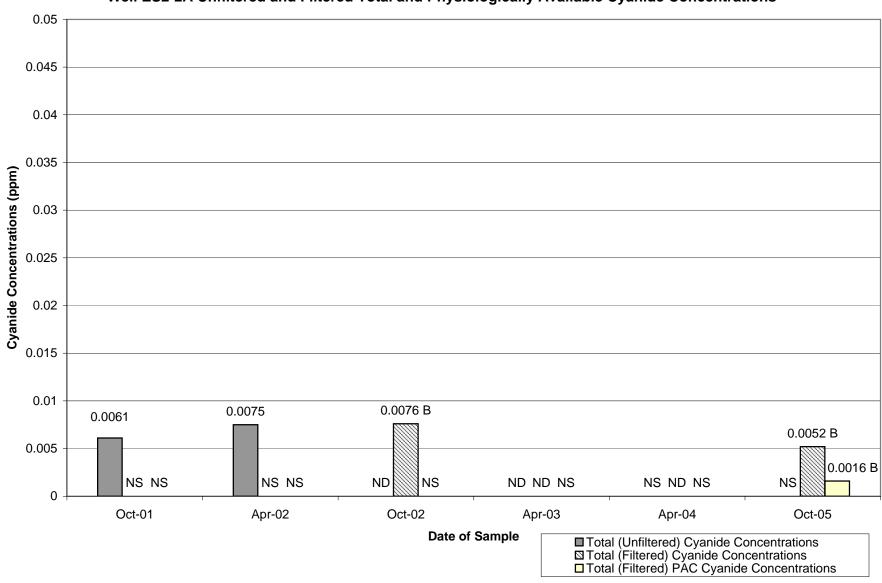
# Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



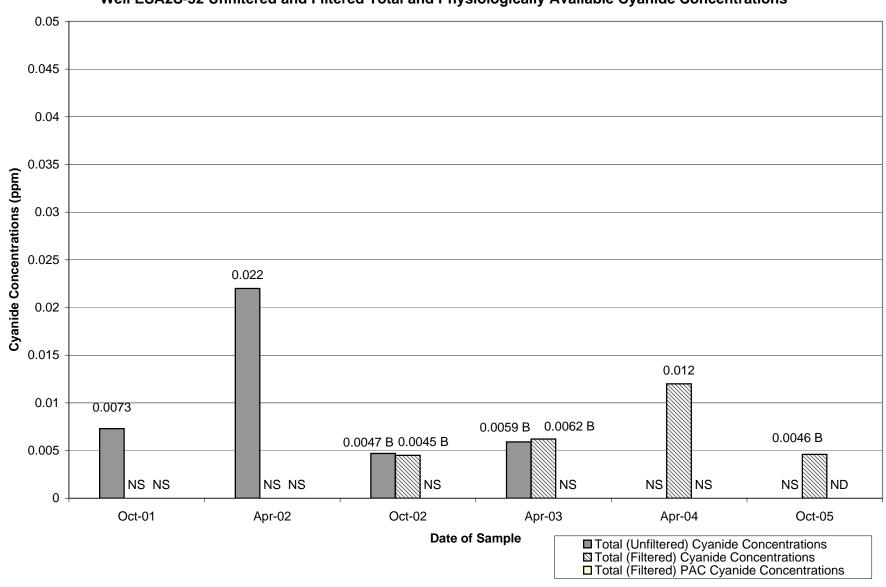
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



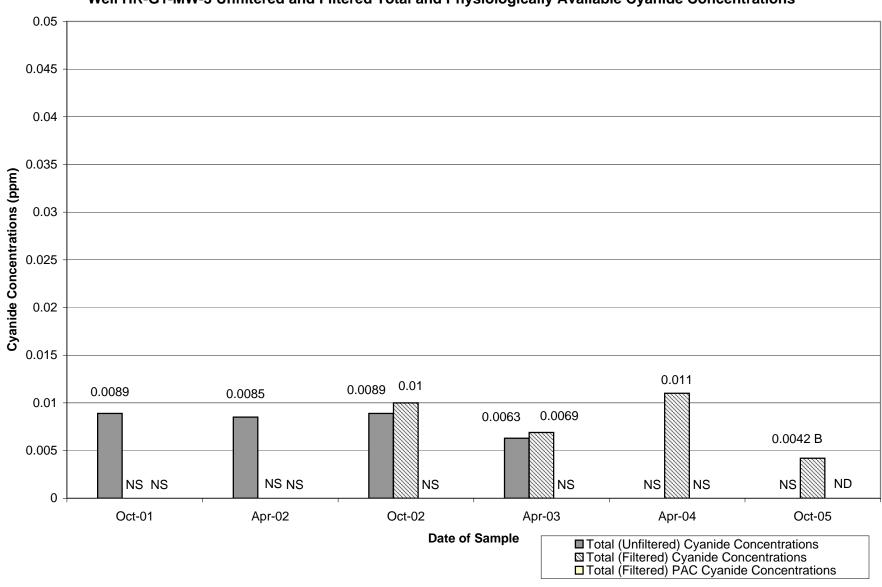
### Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



# Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



## Appendix D

### **Data Validation Report**



## APPENDIX D GROUNDWATER SAMPLING DATA VALIDATION REPORT PLANT SITE 1 GROUNDWATER MANAGEMENT AREA

### 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 19 polychlorinated biphenyl (PCB) samples, nine volatile organic compound (VOC) samples, and seven cyanide 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, approximately 25% of the laboratory sample delivery group packages were randomly chosen to be subjected to Tier II review. A Tier II review was also performed to resolve data usability limitations identified from laboratory qualification of the data during the Tier I data review. The Tier II data review consisted of a review of all data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. 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	2	9	
Cyanide	0	0	0	14	0	0	14	
Total	0	0	0	37	2	3	42	

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	7	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	Compounds	Number of Affected Samples	Qualification
VOCs	1,1,1,2-Tetrachloroethane	1	J
	1,4-Dioxane	3	J
	2-Butanone	J	
	Acrylonitrile	3	J
	Bromomethane	5	J
	Carbon Disulfide	3	J
	Chloroethane	5	J
	Propionitrile	3	J
	Tetrachloroethene	3	J
	Trichlorofluoromethane	3	J
	Vinyl Acetate	3	J

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for inorganics must be within 75 to 125%. Associated inorganic sample results with MS recoveries less than the 75% control limit were qualified as estimated (J). The analyte that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Analysis Compound		Number of Affected Samples	Qualification
Cyanides – PAC method	Cyanide	1	J

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

Compound Qualified Due to MS/MSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification	
VOCs	Naphthalene	1	J	

Surrogate compounds are analyzed with every organic sample to aid in evaluation of the sample extraction efficiency. As specified in the FSP/QAPP, at least one of the PCB surrogate compounds must have a recovery between laboratory-specified control limits. Detected sample results were qualified as estimated (J) for all compounds when surrogate recovery criteria were outside control limits and non-detect sample results were qualified as rejected (R) when associated surrogate recoveries were less than 10%. A summary of the compounds affected by surrogate recovery exceedences and the number of samples qualified due to those deviations are presented in the following table.

**Compounds Qualified Due to Surrogate Recovery Deviations** 

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	Aroclor-1016	1	R
	Aroclor-1221	1	R
	Aroclor-1232	1	R
	Aroclor-1242	1	R
	Aroclor-1248	1	R
	Aroclor-1254	1	R
	Aroclor-1260	1	R
	Total PCBs	1	R

#### 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
Cyanide	100	None
VOCs	100	None
PCBs	94.7	A total of eight sample results were rejected due to surrogate recovery deviations.

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. For this analytical program, 0.15% of the data required qualification due to MS/MSD RPD deviations. None of the data required qualification due to laboratory duplicate RPD deviations, or field duplicate 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, 6.4% of the data required qualification due to calibration deviations, 0.15% of the data required qualification due to MS/MSD recovery deviations, and 1.2% of the data required qualification due to surrogate compound standard recovery deviations. None of the data required qualification due to internal standards recovery deviations, LCS recovery deviations, or CRDL samples recovery deviations.

### **5.3** Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in MDEP-approved work plans, and by following the procedures for sample collection/analyses that were described in the FSP/QAPP. Additionally, the analytical program used procedures consistent with USEPA-approved analytical methodology. A QA/QC

parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical program, none of the data required qualification for exceeding holding time requirements.

### 5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. The USEPA SW-846<sup>1</sup> 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 OA/OC criteria specified in the FSP/OAPP, the analytical data from past, present, and future sampling events will be comparable to allow for qualitative and quantitative assessment of site conditions. Through this use of consistent base analytical procedures and by requiring that updated procedures meet the QA/QC criteria specified in the FSP/QAPP, the analytical data from past, present, and future sampling events will be comparable to allow for qualitative and quantitative assessment of site conditions.

### **5.5** Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. The actual completeness of this analytical data set ranged from 94.7 to 100% for individual analytical parameters and had an overall usability of 98.2 %, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

<sup>&</sup>lt;sup>1</sup> 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 1 GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 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	Sample ID	Date Collected	WatitA	Level	Qualification	Compound	QA/QC Faranietei	Value	Control Linits	Qualified Result	Notes
5J0P052	ESAIN-52 (filtered)	10/4/2005	Water	Tier II	No						
5J0P052	LS-29 (filtered)	10/4/2005	Water	Tier II	No						
5J0P052	N2SC-07S (filtered)	10/3/2005	Water	Tier II	No						
5J0P112 5J0P112	LS-MW-4R (filtered) LSSC-08S (filtered)	10/5/2005 10/5/2005	Water Water	Tier II Tier II	No No						
5J0P112	RF-02 (filtered)	10/4/2005	Water	Tier II	No						
5J0P176	72-R (filtered)	10/6/2005	Water	Tier II	No						
5J0P176	DUP-1 (filtered)	10/6/2005	Water	Tier II	No						72-R
5J0P176	E2SC-23 (filtered)	10/6/2005	Water	Tier II	No						
5J0P176 5J0P176	E2SC-24 (filtered) ES1-27R (filtered)	10/6/2005 10/6/2005	Water Water	Tier II Tier II	No No						
5J0P176	GMA1-13 (filtered)	10/7/2005	Water	Tier II	No						
5J0P176	LSSC-18 (filtered)	10/7/2005	Water	Tier II	No						
5J0P188	ES1-05 (filtered)	10/10/2005	Water	Tier II	No						
5J0P188	HR-G3-MW-1 (filtered)	10/10/2005	Water	Tier II	No					_	
5J0P239	GMA1-RB-1 (filtered)	10/11/2005	Water	Tier II	Yes	Aroclor-1016 Aroclor-1221	Surrogate Recovery Surrogate Recovery	7.7% 7.7%	30% to 132% 30% to 132%	R R	
						Aroclor-1221 Aroclor-1232	Surrogate Recovery Surrogate Recovery	7.7%	30% to 132%	R R	
						Aroclor-1242	Surrogate Recovery	7.7%	30% to 132%	R	
						Aroclor-1248	Surrogate Recovery	7.7%	30% to 132%	R	
						Aroclor-1254	Surrogate Recovery	7.7%	30% to 132%	R	
						Aroclor-1260	Surrogate Recovery	7.7% 7.7%	30% to 132%	R R	
5J0P320	139R (filtered)	10/13/2005	Water	Tier II	No	Total PCBs	Surrogate Recovery	1.1%	30% to 132%	ĸ	-
5J0P320	GMA1-18 (filtered)	10/13/2005	Water	Tier II	No						
5J0P320	GMA1-6 (filtered)	10/13/2005	Water	Tier II	No						
VOCs											_
5J0P052	N2SC-07S	10/3/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF CCAL %D	0.005 67.8%	>0.05	ND(0.50) J	
						1,4-Dioxane 2-Butanone	CCAL %D	31.2%	<25% <25%	ND(0.50) J ND(0.025) J	-
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(0.025) J	
						Bromomethane	CCAL %D	84.8%	<25%	ND(0.025) J	
						Carbon Disulfide	CCAL %D	25.6%	<25%	ND(0.025) J	
						Chloroethane	CCAL %D	99.9%	<25%	ND(0.025) J	
						Propionitrile Tetrachloroethene	CCAL %D CCAL %D	100.0% 25.6%	<25% <25%	ND(0.025) J ND(0.025) J	
						Trichlorofluoromethane	CCAL %D	26.8%	<25%	ND(0.025) J	
						Vinyl Acetate	CCAL %D	100.0%	<25%	ND(0.025) J	
5J0P052	NS-17	10/4/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.005	>0.05	ND(0.20) J	
						1,4-Dioxane	CCAL %D	67.8%	<25%	ND(0.20) J	
						2-Butanone Acrylonitrile	CCAL %D CCAL %D	31.2% 99.9%	<25% <25%	ND(0.010) J ND(0.0050) J	
						Bromomethane	CCAL %D	84.8%	<25%	ND(0.0030) J	
						Carbon Disulfide	CCAL %D	25.6%	<25%	ND(0.0050) J	
						Chloroethane	CCAL %D	99.9%	<25%	ND(0.0050) J	
						Propionitrile	CCAL %D	100.0%	<25%	ND(0.010) J	
						Tetrachloroethene Trichlorofluoromethane	CCAL %D CCAL %D	25.6% 26.8%	<25% <25%	ND(0.0020) J ND(0.0050) J	
						Vinyl Acetate	CCAL %D	100.0%	<25% <25%	ND(0.0050) J ND(0.0050) J	
5J0P052	TRIP BLANK	10/4/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.005	>0.05	ND(0.0030) J	
						1,4-Dioxane	CCAL %D	67.8%	<25%	ND(0.20) J	
						2-Butanone	CCAL %D	31.2%	<25%	ND(0.010) J	
						Acrylonitrile	CCAL %D	99.9%	<25%	ND(0.0050) J	1
						Bromomethane Carbon Disulfide	CCAL %D CCAL %D	84.8% 25.6%	<25% <25%	ND(0.0020) J ND(0.0050) J	
						Chloroethane	CCAL %D	99.9%	<25%	ND(0.0050) J	
						Propionitrile	CCAL %D	100.0%	<25%	ND(0.010) J	
						Tetrachloroethene	CCAL %D	25.6%	<25%	ND(0.0020) J	
						Trichlorofluoromethane	CCAL %D	26.8%	<25%	ND(0.0050) J	
						Vinyl Acetate	CCAL %D	100.0%	<25%	ND(0.0050) J	

### TABLE D - 1 ANALYTICAL DATA VALIDATION SUMMARY

## PLANT SITE 1 GROUNDWATER MANAGEMENT AREA 1 GROUNDWATER QUALITY MONITORING INTERIM REPORT FOR FALL 2005 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (Results are presented in parts per million, ppm)

Sample											
Delivery				Validation							
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (contin	/OCs (continued)										
5J0P112	LS-MW-4R	10/5/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.005	>0.05	ND(0.50) J	
						Bromomethane	CCAL %D	73.2%	<25%	ND(0.025) J	
						Chloroethane	CCAL %D	93.6%	<25%	ND(0.025) J	
5J0P112	LSSC-16S	10/5/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.005	>0.05	ND(0.20) J	
5J0P112	LSSC-16S	10/5/2005	Water	Tier II	Yes	Bromomethane	CCAL %D	73.2%	<25%	ND(0.0020) J	
						Chloroethane	CCAL %D	93.6%	<25%	ND(0.0050) J	
5J0P176	72-R	10/6/2005	Water	Tier II	No						
5J0P176	DUP-1	10/6/2005	Water	Tier II	No						72-R
5J0P239	GMA1-RB-1	10/11/2005	Water	Tier II	Yes	1,4-Dioxane	CCAL RRF	0.005	>0.05	ND(0.20) J	
5J0P320	GMA1-6	10/13/2005	Water	Tier II	Yes	1,1,1,2-Tetrachloroethane	CCAL %D	30.8%	<25%	ND(0.0050) J	
						1,4-Dioxane	CCAL RRF	0.004	>0.05	ND(0.20) J	
						Naphthalene	MS/MSD RPD	28.0%	<25%	ND(0.0050) J	
Cyanides											
5J0P052	RF-16 (filtered)	10/4/2005	Water	Tier II	No						
5J0P112	ESA2S-52 (filtered)	10/5/2005	Water	Tier II	No						
5J0P176	72-R (filtered)	10/6/2005	Water	Tier II	No						
5J0P176	DUP-1 (filtered)	10/6/2005	Water	Tier II	No						72-R
5J0P176	ES2-02A (filtered)	10/6/2005	Water	Tier II	No						
5J0P188	HR-G1-MW-3 (filtered)	10/10/2005	Water	Tier II	No						
5J0P239	GMA1-RB-1 (filtered)	10/11/2005	Water	Tier II	No						
Cyanides - P	AC method										
5J0P052	RF-16 (filtered)	10/4/2005	Water	Tier II	No						
5J0P112	ESA2S-52 (filtered)	10/5/2005	Water	Tier II	No						
5J0P176	72-R (filtered)	10/6/2005	Water	Tier II	No						
5J0P176	DUP-1 (filtered)	10/6/2005	Water	Tier II	No						72-R
5J0P176	ES2-02A (filtered)	10/6/2005	Water	Tier II	No						
5J0P188	HR-G1-MW-3 (filtered)	10/10/2005	Water	Tier II	No						
5J0P239	GMA1-RB-1 (filtered)	10/11/2005	Water	Tier II	Yes	Cyanide	MS %R	63.0%	75% to 125%	ND(0.0100) J	