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GE 159 Plastics Avenue Pittsfield, MA 01201 USA

January 30, 2008

Mr. Richard Fisher
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 Monitoring Interim Report for Fall 2007

Dear Mr. Fisher:

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 Supplemental Groundwater Quality Monitoring Report for Spring 2007 (July 2007), enclosed is the Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2007. This report summarizes activities performed as part of the Plant Site 1 Groundwater Management Area (GMA 1) groundwater quality monitoring program during fall 2007, including the results of the latest groundwater sampling and analysis round at GMA 1.

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

Sincerely,

Richard W. Gates

Remediation Project Manager

Enclosure

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General Electric Company Pittsfield, Massachusetts

Plant Site 1 Groundwater
Management Area
Groundwater Quality Monitoring
Interim Report for Fall 2007

January 2008

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2007

(Fall 2007 GMA 1 Groundwater Quality Report)

General Electric Company Pittsfield, Massachusetts

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January 2008

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1. Introduction

1.1 General

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

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

The baseline monitoring program, which was initiated in fall 2001, consisted of four semiannual 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

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two-year "baseline" period ends prior to the completion of soil-related response actions at all the RAAs in a GMA, GE may make a proposal to EPA to modify and/or extend the Baseline Monitoring Program based on the results of the initial assessment and the estimated timing of future response actions at the RAAs in the GMA. The approved GMA 1 Baseline Monitoring Proposal also allows GE to propose a modification and/or extension of the baseline monitoring program based on the results of the initial assessment and the estimated timing of future response actions. Therefore, the Spring 2003 GMA 1 Groundwater Quality Report contained a proposal to modify and extend baseline groundwater quality monitoring activities at GMA 1 (under a program referred to as the interim monitoring program) until such time as the soil-related Removal Actions at the GMA 1 RAAs are completed and the specific components of a long-term groundwater quality monitoring program are determined. EPA conditionally approved the Spring 2003 GMA 1 Groundwater Quality Report by letter dated September 23, 2003. Under the approved interim monitoring program, annual water quality sampling (alternating between the spring and fall seasons) at selected GMA 1 wells began in spring 2004, following a limited sampling event in fall 2003 involving the collection of groundwater samples from six wells that did not yet have four complete rounds of sampling as part of the baseline monitoring program. The monitoring wells included in the interim monitoring program are shown on Figure 2.

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 The results of the most recent full round of interim groundwater sampling activities performed at this GMA in spring 2006 were provided in GE's July 2006 Plant Site 1 Groundwater Management Area Groundwater Quality Interim Report for Spring 2006 (Spring 2006 GMA 1 Groundwater Quality Report), which was conditionally approved by EPA in a letter dated September 27, 2006. Following the spring 2006 sampling event, GE performed supplemental sampling activities in fall 2006 and spring 2007 at two monitoring wells where elevated concentrations of PCBs were detected in spring 2006. The results of those rounds of supplemental groundwater sampling activities were provided in GE's January 2007 Plant Site 1 Groundwater Management Area Supplemental Groundwater Quality Monitoring Report for Fall 2006 (Fall 2006 GMA 1 Supplemental Groundwater Quality Report), and July 2007 Plant Site 1 Groundwater Management Area Supplemental Groundwater Quality Monitoring Report for Spring 2007 (Spring 2007 GMA 1 Supplemental Groundwater Quality Report), which were conditionally approved by EPA in letters dated March 29, 2007 and October 10, 2007, respectively. GE performed the next round of scheduled interim sampling activities at GMA 1 (as modified by proposals contained in the 2006 and 2007 groundwater quality monitoring reports or in accordance with EPA approval conditions) in fall 2007.

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The results of the interim groundwater sampling activities conducted in fall 2007 are provided in this *Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report for Fall 2007* (Fall 2007 GMA 1 Groundwater Quality Report). As requested by EPA in it's March 29, 2007 letter, this report also contains groundwater elevation data collected at GMA 1 during the fall semi-annual monitoring event performed in October/November 2007 (both in data tables and plotted in groundwater elevation contour maps). GE will continue to present detailed discussions of GE's groundwater flow monitoring, including information on groundwater elevations, flow direction, and seasonal trends, as well as assessments of the presence and extent of NAPL at GMA 1 (including summaries of GE's NAPL recovery efforts), in the separate semi-annual reports submitted under GE's NAPL monitoring program. The most recent GMA 1 NAPL monitoring report (covering the spring 2007 monitoring period) was submitted to EPA in August 2007, and the NAPL monitoring report for the fall 2007 monitoring period will be submitted to EPA in February 2008.

In addition, in accordance with Condition 2 of EPA's conditional approval letter dated October 10, 2007, GE initiated semi-annual sampling and analysis of groundwater samples from two monitoring wells at Newell Street Area II (wells GMA1-25 and GMA1-27). The results of the first round of that sampling have been incorporated into this report. Following completion of four sampling rounds, the analytical data will be evaluated to determine whether long-term sampling and analysis is appropriate at those monitoring wells.

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 (Figure 1). The RAAs within GMA 1 are:

- RAA 1 40s Complex;
- RAA 2 30s Complex;
- RAA 3 20s Complex;
- RAA 4 East Street Area 2-South;
- RAA 5 East Street Area 2-North;

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- RAA 6 East Street Area 1-North;
- RAA 12 Lyman Street Area;
- RAA 13 Newell Street Area II;
- RAA 14 Newell Street Area I;
- RAA 17 Silver Lake Area; and
- RAA 18 East Street Area 1-South.

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

Groundwater flow patterns at GMA 1 generally reflect the topography of the site with flow toward the Housatonic River, except where influenced by features such as Silver Lake, the recharge pond, or by recovery systems which are pumped to induce hydraulic depressions in their vicinity. Although variations occur in groundwater elevations at various wells or portions of GMA 1, overall groundwater flow patterns have remained relatively stable for years. As shown on Figure 3, Groundwater flow conditions observed during fall 2007 display the typical patterns observed at GMA 1.

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

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Addendum, the baseline monitoring program at this GMA initially involved a total of 65 monitoring wells. Subsequent modifications to the program resulted in the addition of one well (LSSC-08I) and replacement of five wells with substitute monitoring wells (ESA2S-52 for ES2-17, MW-3R for MW-3, GMA1-13 for 95-9, ESA1S-33 for ES1-8, and ES1-23R for ES1-23). All of these wells were monitored for groundwater elevations on a quarterly basis and sampled on a semi-annual basis for analysis of PCBs and/or certain other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenyhydrazine (Appendix IX+3). The specific groundwater quality parameters for each individual well were selected based on the monitoring objectives of the well.

After the fourth baseline sampling event at most of the wells in GMA 1 in spring 2003, EPA approved the implementation of the interim monitoring program until the completion of the soil-related Removal Actions at the GMA 1 RAAs, at which time GE will propose a long-term monitoring program. 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 wells where analytical results from the baseline monitoring rounds did not clearly indicate whether long-term monitoring would be necessary.

Since the spring 2004 groundwater sampling event, GE has presented the results of each sampling event in interim and supplemental groundwater quality monitoring reports and, based on those results, has proposed and, following EPA approval, implemented modifications to the interim program. Prior to the sampling conducted in fall 2007, the most recent interim groundwater sampling event took place in spring 2006. In addition, GE conducted supplemental sampling in fall 2006 and spring 2007 to further assess the concentrations of PCBs observed at wells LSSC-08S and LSSC-18 during the spring 2006 sampling event. The results of that additional sampling were presented in supplemental groundwater quality monitoring reports submitted after each supplemental sampling event. The current interim groundwater quality monitoring event was conducted in October 2007. Two monitoring wells could not be located at the time of that sampling round, but those wells were found and sampled in early December 2007. The results of the fall 2007 interim sampling are discussed herein.

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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 January 2008 to review any reports that have been submitted regarding this site since submittal of the Spring 2006 GMA 1 Groundwater Quality Report. The results of that file search, including a listing of the reports that were reviewed, is provided in Section 3.3.

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 2007. Section 3 presents the analytical results obtained during the fall 2007 sampling event performed in October and December 2007. 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 2007 activities, including a comparison to those Performance Standards. Finally, Section 5 presents the schedule for future field and reporting activities related to groundwater quality at GMA 1.

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2. Field and Analytical Procedures

2.1 General

The activities conducted as part of the interim groundwater monitoring program during fall 2007, and summarized herein, primarily involved the measurement of groundwater levels and 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 that were sampled are provided in Table 2 and the fall 2007 field sampling data are presented in Appendix A. This section discusses the field procedures used to measure site groundwater levels and collect groundwater samples, as well as the methods used to analyze the groundwater samples. All activities were performed in general accordance with GE's approved Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP).

2.2 Groundwater Elevation Monitoring

The fall 2007 semi-annual groundwater elevation monitoring round was performed between October 29 and November 2, 2007. This activity involved the collection of groundwater elevation data at the locations listed in Table 3. Groundwater levels and NAPL thicknesses (where NAPL is present) were measured in accordance with the procedures specified in GE's approved FSP/QAPP. Groundwater elevations were, on average, approximately 1.07 feet lower than the elevations measured during the previous fall 2006 monitoring event. The groundwater elevation data presented in Table 3 from wells screened across or near the water table were used to prepare a groundwater elevation contour map for fall 2007 (Figure 3). Consistent with prior data, groundwater was found to generally flow toward the Housatonic River.

2.3 Groundwater Sampling and Analysis

The fall 2007 groundwater sampling event was performed between October 12 and 25, 2007, with the exception of two monitoring wells (3-6C-EB-14 and N2SC-7S) which could not be located at that time. Those wells were found and sampled on December 4, 2007. Groundwater samples were collected from all 23 groundwater monitoring wells scheduled for interim sampling, including two wells (GMA1-25 and GMA1-27) added to the program for semi-annual sampling and analysis for VOCs, SVOCs, and PCBs. The groundwater samples were collected by the low-flow techniques 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 A. Each monitoring well was purged utilizing low-flow techniques until field parameters (including temperature, pH, specific conductivity,

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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 below and the field sampling data are provided in Appendix A.

Parameter	Parameter Units		
Turbidity	Nephelometric turbidity units (NTU)	0.0 – 33.0	
рН	pH units	5.94 – 11.72	
Specific Conductivity	Millisiemens per centimeter	0.359 – 2.321	
Oxidation-Reduction Potential	Millivolts	-113.5 – 132.6	
Dissolved Oxygen	Milligrams per liter	0.50 – 13.50	
Temperature	Degrees Celsius	7.73 – 20.01	

As shown above and in Table 4 for this sampling event, none of the groundwater samples extracted from the monitoring wells had turbidity levels greater than the target level of 50 NTU upon stabilization. These results indicate that the sampling and measurement procedures utilized during this sampling event were effective in obtaining representative groundwater samples with low turbidity. Elevated temperature and pH readings were observed at certain locations during the fall 2007 sampling event, compared to prior data. As noted in the sampling records, the elevated temperature data is likely attributed to warming of groundwater in the sampling tubing and/or flow-through cell during low-flow purging on warmer days during the sampling event. Although instrument calibrations were checked following such readings, GE suspects that the elevated pH data are anomalous and result from instrument malfunction, rather than a change in pH from prior rounds at the locations in question. GE will review the pH data to be collected during the upcoming spring 2008 sampling event to further assess these apparent anomalies.

The collected groundwater samples were submitted to SGS Environmental Services, Inc. of Wilmington, North Carolina (SGS) for laboratory analysis. For the groundwater samples that were monitored for compliance with the GW-3 standards, the samples were submitted for analysis of one or more of the following constituents using the associated EPA methods:

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Constituent	EPA Method
VOCs	8260B
SVOCs	8270C
PCBs (Filtered Samples)	8082
Metals (Filtered Samples)	6010B, 7000A, and 7470A
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. The groundwater sample from GW-3 perimeter well 3-6C-EB-14 submitted for VOC analysis was inadvertently also analyzed by the laboratory for those five SVOCs by the laboratory and the results are included in this report even though that well is not designated as a GW-2 monitoring point.

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.

The data were validated in accordance with the FSP/QAPP and the validated results were utilized in the preparation of this report. As discussed in the validation report provided as Appendix D, 99.9% of the fall 2007 groundwater quality data are considered to be useable, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP. The SVOC, PCB, and inorganic sample results were found to be 100% usable. VOC sample results were found to be 99.8% usable. The only rejected data were two VOC sample results where the 2-chloroethylvinylether data were rejected due to MS/MSD recovery deviations. The validated analytical results are summarized in Section 3 and discussed in Section 4 below.

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3. Fall 2007 Groundwater Analytical Results

3.1 General

A description of the fall 2007 groundwater analytical results is presented in this section. The complete analytical data sets are summarized in Appendix B. Tables 5 and 6 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 7 presents a comparison of the concentrations of detected constituents with the UCLs for groundwater. An assessment of these results relative to those groundwater quality Performance Standards and the UCLs is provided in Section 4.

3.2 Groundwater Sample Results

The following paragraphs provide an overview of the fall 2007 analytical results from the GMA 1 groundwater quality monitoring wells for each constituent group that was analyzed.

3.2.1 VOC Results

Nine groundwater samples were analyzed for VOCs during the fall 2007 sampling event. The VOC analytical results are summarized in Table B-1 of Appendix B. No VOCs were detected in one of the groundwater samples (well GMA1-27), while 16 individual VOCs were observed in the remaining samples. Acetone, a common laboratory contaminant, was the only VOC detected in two of the samples (wells 72R and GMA1-25). Where VOCs were detected, total VOC concentrations ranged from an estimated concentration of 0.0018 ppm (at well 72R) to an estimated concentration of 2.8 ppm (at well ESA2S-64). The most frequently detected VOC was chlorobenzene (detected at four monitoring locations), while acetone, benzene, and total xylenes were each detected in three groundwater samples. All detected VOC constituents were well below the applicable Method 1 GW-2 and GW-3 standards, with the exception of the chlorobenzene concentration detected at well ES2-2A (2.1 ppm) which was greater than the GW-3 standard of 1 ppm for this constituent.

3.2.2 SVOC Results

Groundwater samples collected from two monitoring wells (wells GMA1-25 and GMA1-27) were analyzed for SVOCs during the fall 2007 sampling event. A trace level of one SVOC, bis(2-ethylhexyl) phthalate (a common laboratory contaminant), was detected in the groundwater sample from well GMA1-25, but not in a duplicate sample analyzed from that well. No SVOCs were detected in well GMA1-27.

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In addition, samples from four other wells were analyzed for five select SVOCs (1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene, and naphthalene), as discussed in Section 2.3. No SVOCs were detected in two of these wells (72R and LSSC-16), while one SVOC (1,4-dichlorobenzene) was detected in well GMA1-6. Three SVOCs were detected in the sample from well 3-6C-EB-14 (at levels below GW-3 standards), where the VOC samples were also inadvertently analyzed for the select SVOC list

None of the SVOCs detected were at levels exceeding the applicable Method 1 GW-2 and GW-3 standards. The SVOC analytical results are summarized in Table B-1 of Appendix B.

3.2.3 PCB Results

Filtered groundwater samples from eighteen monitoring wells were analyzed for PCBs as part of the fall 2007 sampling event. The PCB analytical results are summarized in Table B-1 of Appendix B. PCBs (Aroclors 1254 and /or 1260) were detected in three of the wells analyzed for PCBs (wells E2SC-23, LS-29, and N2SC-7S), while no PCBs were detected in the remaining 15 wells. Where detected, total PCB concentrations in the filtered samples ranged from an estimated concentration of 0.00015 ppm (at well LS-29) to 0.00134 ppm (at well E2SC-23). As discussed in Section 4.3.2 below, two of the groundwater samples contained PCBs at concentrations above the applicable MCP Method 1 GW-3 standard of 0.0003 ppm during fall 2007.

3.2.4 Inorganic Constituent Results

Filtered groundwater samples were obtained from one monitoring well (72R) and submitted for analysis of inorganic constituents (metals and physiologically available cyanide) during the fall 2007 sampling event. The analytical results for these analyses are summarized in Table B-1 of Appendix B.

Seven inorganic constituents which were detected in the fall 2007 samples from well 72R: arsenic, barium, beryllium, chromium, copper, lead, and zinc. Physiologically available cyanide was not detected in the sample. All detected inorganic constituent concentrations were below the applicable MCP Method 1 GW-3 standards.

3.3 Adjacent MCP Disposal Site Monitoring Results

As mentioned above in Section 1.2, the O'Connell East Street Mobil Station site (MDEP Site No. 1-13347, also referred to as the "East Street Mobil Site") is located on adjacent property near the northern edge of the Lyman Street Area. GE understands that this site is

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currently being addressed by O'Connell Oil Associates, Inc. to satisfy the requirements of Massachusetts General Laws Chapter 21-E and the MCP. Available documentation indicates that soluble-phase contaminants related to gasoline releases from the East Street Mobil Site have been documented upgradient of 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 on January 9, 2008 to review any reports that have been placed on file at MDEP regarding this site since the prior file search was conducted and reported in the Spring 2006 GMA 1 Groundwater Quality Report. Seven documents pertaining to groundwater investigations and response actions at the East Street Mobil Site have been added to the MDEP files since the submission of that report. Those documents include:

- Tier II Permit Extension Request Status of Response Action, Environmental Compliant Services, Inc. (ECS), February 17, 2006;
- Phase III Remedy Action Plan Addendum 7, ECS, August, 2006;
- Phase IV Remedy Implementation Plan, ECS, August 2006;
- Final Inspection Report and Phase IV Completion Statement, ECS, September 28, 2006;
- Remedy Operation Status, ECS, March 7, 2007;
- Remedy Operation Status Inspection and Monitoring Report, October 2006 March 2007, ECS, April 2, 2007; and
- Remedy Operation Status Inspection and Monitoring Report March August 2007, ECS, October 4, 2007.

A site map and pertinent monitoring results from the most recent report reviewed for the East Street Mobil Site (i.e., the October 4, 2007 Remedy Operation Status Inspection and Monitoring Report) are provided in Appendix E. That report describes the effectiveness of the oxygen sparging system activated at the site on September 11, 2006, and the most recent groundwater sampling results. The oxygen sparging monitoring data are provided in Appendix E and indicated an increase in dissolved oxygen in wells downgradient of the source area.

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The most recent groundwater sampling at the East Street Mobil Site was performed on April 24, 2007. The concentrations of C5-C8 Aliphatic VPH detected in groundwater from well ECS-2 exceeded the applicable MCP GW-2 Standard. The concentrations of xylenes detected in groundwater from wells ECS-2 and ECS-3 exceeded the GW-3 standard. The concentrations of C5-C8 and C9-C12 Aliphatics VPH detected in groundwater from wells ECS-12 also exceeded the MCP GW-2 Standard; however, this well is not located in a GW-2 area. Concentrations of the aliphatics are consistent with previous sampling rounds, as shown in the historical data included in Appendix E.

Wells ECS-2 and ECS-3 are upgradient from the Lyman Street Area portion of GMA 1. They are also upgradient of East Street Mobil Site well ECS-13. No xylenes or VPH constituents were detected in well ECS-13 during the most recent sampling round. GMA 1 monitoring wells MW-4R and LSSC-16S are GW-2 monitoring points located downgradient from the East Street Mobil Site. These wells were sampled during the fall 2007 sampling round (see Appendix B). Total VOC concentrations were estimated at 0.0096 ppm in well LSSC-16S, and 0.011 ppm in well MW-4R. Total BTEX (benzene, toluene, ethylbenzene, and xylene) concentrations in wells ECS-2 and ECS-3 were 2.706 ppm and 0.709 ppm in spring 2007, respectively. None of these constituents was detected in well MW-4R during the fall 2007 sampling event. Benzene, toluene and xylene were detected in well LSSC-16S at concentrations of 0.0065 ppm, 0.00018 ppm (estimated), and 0.00065 ppm (estimated), respectively, resulting in a total BTEX concentration of 0.00733 ppm. The concentrations of these constituents are well below the MCP GW-2 Standards of 2 ppm for benzene, 8 pm for toluene, and 9 ppm for xylene.

Based on these results, it appears that the groundwater quality exceedances attributed to the East Street Mobil Site may be confined to that site, which has a long-term remediation system in operation. As such, no additional actions beyond a continuation of the ongoing groundwater quality program at GMA 1 appear to be warranted to assess potential impacts to GMA 1 related to the East Street Mobil Site. GE will continue to review and assess the results from the East Street Mobil Site and downgradient areas within GMA 1 and will provide updates in future groundwater quality monitoring reports.

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4. Overall Assessment of Groundwater Analytical Results

4.1 General

This report constitutes the eighth interim/supplemental groundwater quality monitoring report for GMA 1, and is the twelfth groundwater quality monitoring report submitted since commencement of the baseline groundwater quality monitoring program at GMA 1. The information presented herein is based on the laboratory results obtained during the fall 2007 groundwater sampling event, supplemented with historical groundwater analytical data when applicable.

4.2 Groundwater Quality Performance Standards

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

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

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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 2007 sampling event are listed in Tables 5 and 6, respectively. (In the event of any discrepancy between the standards listed in these tables and those published in the MCP, the latter will be controlling.) For constituents for which Method 1 standards do not exist, the MCP provides procedures, known as Method 2, for developing such standards (Method 2 standards) for both GW-2 (310 CMR 40.0983(2)) and GW-3 (310 CMR 40.0983(4)) groundwater. For such constituents that are detected in groundwater during the baseline monitoring program, Attachment H to the SOW states that in the Baseline Monitoring Program Final Report, GE must propose to develop Method 2 standards using the MCP procedures or alternate procedures approved by EPA, or provide a rationale for why such standards need not be developed. For constituents whose concentrations exceed the applicable Method 1 (or Method 2) standards, GE may develop and propose to EPA alternative GW-2 and/or GW-3 standards based on a site-specific risk assessment. This procedure is known as Method 3 in the MCP. Upon EPA approval, these alternative risk-based GW-2 and/or GW-3 standards may be used in lieu of the Method 1 (or Method 2) standards. Of course, whichever method is used to establish such groundwater standards, GW-2 standards will be applied to GW-2 groundwater and GW-3 standards will be applied to GW-3 groundwater.

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

- 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);

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- 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
 - 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 2007.

4.3 Groundwater Quality – Fall 2007

For the purpose of generally assessing current groundwater quality conditions, the analytical results from the fall 2007 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 2007 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 5 and 6 provide a comparison of the concentrations of detected constituents with the currently

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applicable GW-2 and GW-3 standards, respectively, while Table 7 presents a comparison of the concentrations of detected constituents with the groundwater UCLs.

4.3.1 Fall 2007 Groundwater Results Relative to GW-2 Performance Standards

As part of the fall 2007 program, groundwater samples were collected from five 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, LSSC-16S, GMA1-25, and GMA1-27). 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 2007 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 5. As shown in Table 5, none of the fall 2007 sample concentrations from the GW-2 monitoring wells sampled for VOCs (including wells GMA1-25 and GMA1-27 required to be sampled pursuant to EPA's October 10, 2007 conditional approval letter) 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 available results from prior sampling events.

4.3.2 Fall 2007 Groundwater Results Relative to GW-3 Performance Standards

Groundwater samples were collected from each of the 23 wells designated for GW-3 monitoring that were scheduled to be sampled during the fall 2007 interim sampling event. The fall 2007 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 6. Although that table provides a comparison of the fall 2007 analytical results from all 23 GW-3 monitoring wells that were sampled in fall 2007, only 12 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 6 show that two constituents, chlorobenzene and filtered total PCBs, were found at levels above their respective MCP Method 1 GW-3 standards in groundwater samples collected in fall 2007. Specifically, the chlorobenzene result from well

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ES2-2A (2.1 ppm) was above the MCP Method 1 GW-3 standard of 1 ppm for chlorobenzene and the filtered PCB sample results from wells E2SC-23 (0.00134 ppm) and N2SC-7S (0.00031 ppm) were above the MCP Method 1 GW-3 standard of 0.0003 ppm for PCBs. Each of these locations is a downgradient perimeter well. Concentrations in excess of the respective MCP Method 1 GW-3 standards were previously detected in each of these wells, although the PCB concentrations in well N2SC-7S has not exceeded the GW-3 standard since the initial baseline sampling event conducted in fall 2001. No other constituents were detected at concentrations above their respective MCP Method 1 GW-3 standards in fall 2007. The comparisons set forth in Table 6 show that no SVOCs or inorganic constituents were detected at concentrations above their respective MCP Method 1 GW-3 standards. As discussed in Section 4.4 below, GE's proposed response to the current exceedances of the GW-3 standards at wells ES2-2A, E2SC-23, and N2SC-7S is to continue the interim monitoring program.

4.3.3 Fall 2007 Comparison to Upper Concentration Limits

In addition to comparing the fall 2007 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 UCLs for groundwater specified in the MCP (310 CMR 40.0996(7)). As shown in Table 7, none of the groundwater samples collected in fall 2007 contained constituent concentrations greater than any of the listed UCLs for groundwater.

4.4 Overall Assessment of Groundwater Analytical Results

Graphs illustrating historical total VOC concentrations and filtered/unfiltered PCB concentrations for all wells sampled in fall 2007 that have been previously sampled and analyzed for those constituents are presented in Appendix C. In addition, Appendix C contains graphs of historical concentrations of individual constituents that exceeded the applicable MCP Method 1 GW-3 standards or UCLs during any of the prior baseline monitoring program sampling events at GW-3 monitoring wells that were analyzed for those constituents in fall 2007. Because no exceedances of the MCP Method 1 GW-2 standards have been documented at the GW-2 monitoring wells during the baseline and interim monitoring programs, no graphs have been prepared for the GW-2 sampling data.

A review of the graphs contained in Appendix C, as well as historical data from the GMA 1 wells, indicates that the concentrations of most constituents has decreased or remained relatively stable at low levels during the baseline monitoring period, although the concentration of chlorobenzene was slightly greater than in previous sampling rounds at well at ES2-02A. Although the PCB data show no clear trend at most locations, the fall 2007 PCB concentrations were below the historical high concentrations at each monitoring well

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that was previously analyzed for this constituent. As discussed in Section 5 below, GE will continue to monitor these wells during the interim program to further evaluate any potential trends in the data.

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

For the two wells where the Method 1 GW-3 standard for PCBs was exceeded (wells E2SC-23 and N2SC-7S), prior PCB data from these wells have shown similar or greater concentrations than those detected during fall 2007. The fall 2007 chlorobenzene result from well ES2-2A was slightly higher than previous chlorobenzene concentrations detected at this location, although chlorobenzene concentrations above the Method 1 GW-3 standard have consistently been detected at this well. Since the concentrations of constituents detected above the MCP Method 1 GW-3 standards at all locations are less than 100 times the respective GW-3 standards, GE's proposed response to these detections is to continue to collect additional data during the interim groundwater monitoring program. Based on the results of future sampling, GE may propose to increase the sampling frequency at these locations, continue to sample under the approved schedule for the interim groundwater sampling program, or make another proposal.

In addition, supplemental sampling was conducted at wells LSSC-8S and LSSC-18 in fall 2006 and spring 2007 following observations of elevated PCB concentrations during the spring 2006 interim sampling event. No PCBs were detected at either of these monitoring wells in fall 2007, which is consistent with the data obtained from these wells in spring 2007. As such, no additional supplemental sampling is proposed at well LSSC-8S or LSSC-18.

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5. 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.

A summary of the interim sampling program for GMA 1 as currently approved by EPA is provided in Table 8. The fall 2007 interim sampling results do not indicate a need for additional activities to be conducted beyond the approved interim monitoring program. Since no modifications to the interim monitoring program are proposed, this section contains a description of the schedule for future groundwater quality monitoring activities and reporting for GMA 1. This section also provides a schedule for the upcoming spring 2008 interim monitoring event, and associated reporting activities.

5.2 Field Activities Schedule

GE will conduct the spring 2008 interim groundwater sampling event at GMA 1 in April 2008, in conjunction with groundwater sampling activities that will be performed at the other GMAs. Consistent with the schedule as approved by EPA, the interim sampling events alternate between spring and fall schedules until a long-term groundwater quality monitoring program is implemented at GMA 1. Pursuant to EPA's October 10, 2007 conditional approval letter, the spring 2008 interim sampling event will include the second round of semi-annual sampling of wells GMA1-25 and GMA1-27 and analysis of those samples for filtered PCBs, VOCs, and SVOCs.

The spring 2008 semi-annual groundwater elevation and NAPL monitoring event will also be conducted in April 2008 at all wells included in the GMA 1 NAPL monitoring program. Results from that monitoring event will be incorporated into the next groundwater quality monitoring report for GMA 1.

Prior to performance of these activities, GE will provide EPA with 7 days advance notice to allow the assignment of field oversight personnel.

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5.3 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 2008 Interim Groundwater Quality Report for GMA 1 by July 31, 2008, in accordance with the reporting schedule approved by EPA. That report will present the final, validated spring 2008 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 2007 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Fall 2007 Analyses ⁽³⁾	Comments					
RAA 1 - 40s COMP	AA 1 - 40s COMPLEX								
No interim gr	No interim groundwater quality monitoring scheduled to be performed in this RAA.								
RAA 2 - 30s COMP	LEX								
RF-02	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾	PCB						
RAA 3 - 20s COMP	LEX								
	oundwater quality monitoring schedu	uled to be performe	d in this RAA.						
RAA 4 - EAST STR	EET AREA 2-SOUTH								
3-6C-EB-14	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾		Well could not be located during initial sampling efforts. Was later found and sampled on 12/4/2007. Analysis of five SVOCs not required - inadvertantly conducted by laboratory.					
GMA1-13	GW-3 General/Source Area Sentinel	Annual (1)	PCB						
E2SC-23	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾	PCB						
E2SC-24	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾	PCB						
ES2-02A	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾	VOC						
ESA2S-64	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾	VOC						
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾	PCB						
RAA 5 - EAST STR	EET AREA 2-NORTH								
ES1-05	GW-3 Perimeter (Downgradient)	Annual ⁽¹⁾	РСВ						
ES1-27R	GW-3 General/ Source Area Sentinel	Annual (1)	PCB						

Table 1
Fall 2007 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Fall 2007 Analyses ⁽³⁾	Comments				
RAA 6 - EAST STREET AREA 1-NORTH								
ESA1N-52	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual (1)	РСВ					
RAA 12 - LYMAN STR	EET AREA							
LS-29	GW-3 General/Source Area Sentinel	Annual (1)	РСВ					
LS-MW-4R	GW-3 Perimeter	Annual ⁽¹⁾	VOC					
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					
RAA 13 - NEWELL ST	REET AREA II							
GMA1-25	GW-2 Sentinel/ GW-3 Perimeter (Upgradient)	Semi-annual (2)	VOC/SVOC/PCB	Well damaged or installed at an angle such that a bladder pump could not be lowered into well. Peristaltic pump utilized for sample collection.				
GMA1-27	GW-2 Sentinel/ GW-3 Perimeter (Upgradient)	Semi-annual (2)	VOC/SVOC/PCB					
N2SC-07S	GW-3 Perimeter (Downgradient)	Annual (1)	РСВ	Well could not be located during initial sampling efforts. Was later found and sampled on 12/4/2007.				

G:\GE\GE_Pittsfield_CD_GMA_1\Reports and Presentations\Fall 2007 GW Qual Rpt\ 040811324Tbls 1234.xlsTable 1

Table 1 Fall 2007 Interim Groundwater Quality Monitoring Wells

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Fall 2007 Analyses ⁽³⁾	Comments
RAA 18 - EAST ST	REET AREA 1 SOUTH			
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual ⁽¹⁾	VOC (+5 SVOC)/ PCB/Cyanide/Meta Is	
139R	GW-2 Sentinel/ GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
GMA1-6	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual ⁽¹⁾	VOC(+5 SVOC)/ PCB	
GMA1-18	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual ⁽¹⁾	РСВ	

NOTES:

- 1. The wells scheduled for annual groundwater quality sampling are sampled for the listed parameters during the interim period between the completion of the baseline monitoring program and the initiation of a long-term monitoring program. The sampling schedule alternates between the spring and fall seasons each year, beginning with spring 2004.
- 2. Wells GMA1-25 and GMA1-27 were added to the interim monitoring program in fall 2007 and are scheduled for four semi-annual rounds of groundwater quality sampling for the listed parameters, after which the needs for additional sampling during the interim period or as part of a long-term monitoring program will be assessed.
- 3. All analyses for PCB, metals, and cyanide conducted under the annual interim monitoring program are performed on filtered samples only.

Table 2
Monitoring Well Construction

Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
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Well Number	Survey Co	pordinates	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 2 - 30s Con	nplex								
RF-02	533507.3	131111.2	4	983.4	982.43	3.0	15.0	980.4	965.4
RAA 4 - East Str	eet Area 2-Sou	ıth							
3-6C-EB-14	532899.3	132125.0	2	984.68	984.20	12	9.5	972.7	963.2
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-64	533152.1	132820.0	2	985.1	984.98	7.0	15.0	978.1	963.1
GMA1-13	533785.7	133705.2	2	989.5	991.41	15.0	10.0	974.5	964.5
HR-G3-MW-1	532900.3	132455.1	2	980.3	982.45	4.1	10.0	976.2	966.2
RAA 5 - East Str	eet Area 2-Nor	th							
ES1-05	534750.4	135063.6	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 Str	eet Area 1-Nor	th							
ESA1-52	534253.8	134565.9	2	999.7	999.26	2.0	10.0	997.7	987.7
RAA 12 - Lyman 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
LS-MW-4R	532351.60	130525.40	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 2007

General Electric Company - Pittsfield, Massachusetts

Ground Measuring Depth to Top of Base of Well Surface Point Top of Screen Screen Screen Elevation Length Elevation Elevation **Well Number Survey Coordinates** Diameter Elevation Screen (feet AMSL) Northing **Easting** (inches) (feet AMSL) (feet AMSL) (feet BGS) (feet) (feet AMSL) RAA 13 - Newell Street Area II 532475.2 131882.3 GMA1-25 2 987.51 987.19 5 10.0 982.5 972.5 GMA1-27 532319.7 131693.2 2 981.30 983.29 4 10.0 977.3 967.3 982.93 N2SC-07S 2 983.2 8.9 10.0 974.3 532707.0 131599.5 964.3 RAA 18 - East Street Area 1-South 72R 534196.1 134234.6 4 1,001.2 1,000.92 4.0 10.0 997.2 987.2

987.4

1,000.7

998.5

986.91

1,000.44

998.29

6.0

5.0

4.0

10.0

10.0

10.0

NOTES:

139R

GMA1-6

GMA1-18

1. The listed wells were scheduled to be utilized during Fall 2007 for baseline groundwater quality sampling.

2

2

2

2. feet AMSL: Feet above mean sea level

135011.0

134455.5

134872.5

3. feet BGS: Feet below ground surface

533841.6

534084.3

534221.0

981.4

995.7

994.5

971.4

985.7

985.5

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Wall ID	Dete	Groundwater Elevation (Feet AMSL ¹)
Well ID	Date	(Feet AWSL)
20s Complex	40/00/0007	1 070 05
CC	10/29/2007	976.95
EE	10/29/2007	977.64
FF	10/29/2007	979.15
GG	10/29/2007	980.85
II	10/29/2007	977.20
JJ	10/29/2007	976.87
LL-R	10/29/2007	980.14
P-R	10/29/2007	977.18
QQ-R	10/29/2007	976.73
U	10/29/2007	976.31
Y	10/29/2007	976.50
30s Complex		
95-16	10/29/2007	991.55
ES2-19	10/29/2007	994.02
GMA1-12	10/29/2007	976.21
RF-02	10/29/2007	976.03
RF-03	10/29/2007	975.95
RF-03D	10/29/2007	976.85
40s Complex		
95-17	10/29/2007	983.23
East Street Area 1-Nort		
25	10/30/2007	994.20
ESA1N-52	10/18/2007	993.33
60R	10/30/2007	993.05
105	10/30/2007	995.13
106	10/30/2007	994.00
107	10/30/2007	995.85
108A	10/30/2007	997.41
109A	10/30/2007	996.92
118	10/30/2007	996.72
128	10/30/2007	994.03
131	10/30/2007	996.13
140	10/30/2007	993.08
ES1-08	10/30/2007	994.60
North Caisson	10/30/2007	980.04

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

		Groundwater Elevation
Well ID	Date	(Feet AMSL ¹)
East Street Area 1-South		•
31R	10/30/2007	991.02
ESA1S-33	10/30/2007	992.98
34	10/30/2007	993.70
35	10/30/2007	994.00
45	10/30/2007	993.92
46	10/30/2007	993.37
ESA1N-52	10/18/2007	993.33
72	10/30/2007	993.61
72R	10/30/2007	994.29
75	10/30/2007	993.89
76	10/30/2007	993.20
78	11/2/2007	994.07
80	11/2/2007	985.10
90	11/2/2007	982.11
139R	11/2/2007	975.86
ES1-13	11/2/2007	993.18
ES1-23R	11/2/2007	986.23
GMA1-6	11/2/2007	992.30
GMA1-7	11/2/2007	973.99
GMA1-18	11/2/2007	991.04
South Caisson	10/30/2007	989.37
East Street Area 2-North		•
05-N	10/30/2007	984.41
11-N	10/30/2007	978.40
14-N	10/30/2007	987.03
16-N	10/29/2007	977.70
17A	10/29/2007	1,017.51
17-N	10/29/2007	977.98
19-N	10/29/2007	978.63
20-N	10/29/2007	980.45
23-N	10/29/2007	978.50
24-N	10/29/2007	978.83
ES1-05	10/18/2007	981.75
ES1-18	10/30/2007	1,042.78
ES1-20	10/31/2007	985.78
ES1-27R	10/30/2007	1,013.89

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL ¹)					
East Street Area 2-South							
01R	10/31/2007	978.88					
2	10/31/2007	975.83					
5	10/31/2007	979.30					
09R	10/31/2007	<967.30					
10	10/31/2007	<973.39					
13	10/30/2007	972.66					
14	10/30/2007	973.36					
16R	10/30/2007	973.20					
19	10/30/2007	972.18					
25R	10/31/2007	975.49					
26RR	10/31/2007	975.77					
28	10/30/2007	973.58					
29	10/30/2007	972.65					
30	10/30/2007	975.63					
31	10/30/2007	975.39					
32	10/30/2007	978.01					
34	10/31/2007	<973.66					
35	10/31/2007	972.71					
36	10/31/2007	973.44					
37	10/31/2007	973.35					
38	10/31/2007	974.52					
42	10/30/2007	973.93					
43	10/30/2007	974.43					
44	10/30/2007	974.43					
47	10/30/2007	972.63					
48	10/30/2007	975.97					
49R	10/30/2007	972.67					
49RR	10/30/2007	972.60					
50	10/30/2007	974.00					
51	10/30/2007	973.06					
ESA2S-52	10/30/2007	972.66					
53	10/30/2007	972.40					
54	10/30/2007	972.08					
55	10/30/2007	972.45					

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Data	Groundwater Elevation (Feet AMSL ¹)
Well ID	Date	(Feet AWSL)
East Street Area 2-South	- -	
57	10/30/2007	975.44
58	10/30/2007	972.34
59	10/30/2007	971.22
ESA2S-64	10/30/2007	971.99
64R	10/30/2007	976.47
64S	10/30/2007	965.30
64V	10/30/2007	968.05
64X(N)	10/30/2007	972.20
64X(S)	10/30/2007	965.06
64X(W)	10/30/2007	966.14
95-1	10/30/2007	972.84
95-04R	10/30/2007	973.55
95-5	10/30/2007	972.97
95-07R	10/31/2007	974.36
E2SC-21	10/30/2007	<973.4
E2SC-23	10/24/2007	973.07
E2SC-24	10/24/2007	972.17
3-6C-EB-14	10/30/2007	967.45
3-6C-EB-22	10/30/2007	972.65
3-6C-EB-25	10/30/2007	972.83
3-6C-EB-28	10/30/2007	972.58
ES2-02A	10/30/2007	972.68
ES2-05	10/30/2007	973.28
ES2-08	10/30/2007	972.57
ES2-16	10/30/2007	975.10
ES2-18	10/30/2007	972.70
GMA1-13	10/30/2007	972.66
GMA1-14	10/29/2007	976.02
GMA1-15	10/29/2007	972.86
GMA1-16	10/29/2007	972.87

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

		Groundwater Elevation
Well ID	Date	(Feet AMSL ¹)
East Street Area 2-South	n	
3-6C-EB-14	10/30/2007	967.45
GMA1-17E	10/31/2007	977.13
GMA1-19	10/29/2007	972.87
GMA1-20	10/29/2007	972.64
GMA1-21	10/29/2007	972.63
GMA1-22	10/29/2007	972.91
GMA1-23	10/29/2007	972.91
GMA1-24	10/30/2007	972.49
HR-G1-MW-1	10/30/2007	971.73
HR-G1-MW-3	10/30/2007	971.60
HR-G2-MW-1	10/30/2007	971.71
HR-G2-MW-2	10/30/2007	972.99
HR-G2-MW-3	10/30/2007	972.23
HR-G2-RW-1	10/30/2007	972.06
HR-G3-MW-1	10/30/2007	972.07
HR-G3-MW-2	10/30/2007	972.20
HR-G3-RW-1	10/30/2007	972.51
HR-J1-MW-3	10/29/2007	972.40
HR-J1-MW-2	11/2/2007	972.36
HR-J1-MW-1	10/30/2007	972.16
M-R	10/31/2007	976.64
P3	10/30/2007	984.15
PZ-1S	10/30/2007	972.03
PZ-6S	10/30/2007	971.81
RW-1(S)	10/30/2007	969.42
RW-1(X)	10/30/2007	967.58
RW-2(X)	10/30/2007	972.11
TMP-1	10/30/2007	972.34
SG-HR-1	10/29/2007	971.99

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Date	Groundwater Elevation (Feet AMSL¹)
Lyman Street Area		
GMA1-5	10/31/2007	970.50
B-2	10/31/2007	970.47
E-4	10/31/2007	972.27
E-7	10/31/2007	974.98
LS-12	10/31/2007	970.21
LS-13	10/31/2007	967.90
LS-21	10/31/2007	967.81
LS-24	10/31/2007	968.28
LS-30	10/31/2007	970.36
LS-31	10/31/2007	970.72
LS-38	10/31/2007	970.00
LSSC-06	10/31/2007	968.52
LSSC-08S	10/30/2007	970.46
LSSC-08I	10/30/2007	970.25
LSSC-09	10/31/2007	969.60
LSSC-16S	10/31/2007	971.30
LSSC-18	10/31/2007	968.62
LSSC-34I	10/31/2007	968.74
LSSC-34S	10/31/2007	969.01
MW-3R	10/31/2007	972.32
MW-4R	10/31/2007	970.91
MW-6R	10/31/2007	972.99
RW-1(R)	10/30/2007	967.92
RW-2	10/30/2007	968.03
RW-3	10/30/2007	966.72

Table 3
Groundwater Elevation Data - Fall 2007 Monitoring Round
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

		Groundwater Elevation
Well ID	Date	(Feet AMSL ¹)
Newell Street Area I		
FW-16R	11/2/2007	972.20
IA-9R	11/2/2007	972.39
MM-1	11/2/2007	975.47
Newell Street Area II		
GMA1-8	10/30/2007	971.85
GMA1-9	10/30/2007	972.22
GMA1-25	10/30/2007	973.46
GMA1-26	10/30/2007	972.87
GMA1-27	10/30/2007	973.78
GMA1-28	10/30/2007	971.54
MW-1S	10/30/2007	972.53
N2SC-09S	10/30/2007	972.79
N2SC-16	10/30/2007	984.07
NS-10	10/30/2007	973.44
NS-17	10/30/2007	972.15
NS-20	10/30/2007	977.72
NS-37	10/30/2007	971.75
Silver Lake Area		
SLGW-01S	10/30/2007	975.87
SLGW-03S	10/30/2007	976.01
SLGW-04S	10/30/2007	976.04
SLGW-05S	10/30/2007	975.94
SLGW-06S	10/30/2007	975.93
Silver Lake Gauge	10/30/2007	975.94

Notes:

1. AMSL - Above Mean Sea Level

Table 4
Field Parameter Measurements - Fall 2007
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Turbidity (NTU)	Temperature (Degrees Celsius)	pH (Standard Units)	Specific Conductivity (mS/cm)	Oxidation- Reduction Potential (mV)	Dissolved Oxygen (mg/L)
RAA 2 - 30s COM	PLEX					
RF-02	1.0	12.33	7.02	1.407	-2.5	0.82
RAA 4 - EAST ST	REET AREA 2-SO	UTH				
3-6C-EB-14	2.0	7.73	6.84	1.140	93.30	0.64
E2SC-23	4.0	12.64	9.05	0.688	45.2	13.50
E2SC-24	12.0	12.00	8.21	1.128	-95.5	0.69
ES2-02A	7.0	14.56	7.86	2.005	-103.4	0.54
ESA2S-64	7.0	13.28	8.06	1.373	-96.5	1.65
GMA1-13	7.0	12.09	7.08	1.000	128.4	1.62
HR-G3-MW-1	2.0	14.41	6.06	1.734	-89.8	0.59
RAA 5 - EAST ST	REET AREA 2-NO	RTH				
ES1-05	2.0	18.48	7.62	1.672	-5.3	7.24
ES1-27R	19.0	20.01	8.28	0.359	118.6	6.02
RAA 6 - EAST ST	REET AREA 1-NO	RTH				
ESA1-52	3.0	16.40	6.79	0.600	-39.9	11.31
RAA 12 - LYMAN	STREET AREA					
LS-29	28.0	11.23	6.61	0.635	60.2	3.28
LSSC-08S	6.0	13.66	7.33	2.321	-39.0	6.68
LSSC-16S	2.0	13.69	7.81	1.226	77.8	1.71
LSSC-18	1.0	12.59	7.74	0.937	-86.4	0.80
LS-MW-4R	2.0	14.80	11.72	1.229	-70.6	0.50
RAA 13 - NEWELI	L STREET AREA I					
GMA1-25	6.0	13.45	10.89	0.608	-79.4	0.62
GMA1-27	17.0	13.98	7.58	0.69	-67.5	2.61
N2SC-07S	0.0	7.97	7.17	0.748	-60.0	0.65

Table 4
Field Parameter Measurements - Fall 2007
Plant Site 1 Groundwater Management Area
Groundwater Quality Monitoring Interim Report For Fall 2007
General Electric Company - Pittsfield, Massachusetts

Well ID	Turbidity (NTU)	Temperature (Degrees Celsius)	pH (Standard Units)	Specific Conductivity (mS/cm)	Oxidation- Reduction Potential (mV)	Dissolved Oxygen (mg/L)		
RAA 18 - EAST ST	RAA 18 - EAST STREET AREA 1-SOUTH							
72R	18.0	17.69	5.94	1.571	132.6	6.12		
139R	1.0	14.85	8.91	0.808	73.5	5.57		
GMA1-6	33.0	17.50	6.22	1.827	-113.5	8.66		
GMA1-18	4.0	18.62	7.93	1.152	-30.3	5.76		

Notes:

- 1. Measurements collected during Fall 2007 groundwater sampling event performed between October 12 and December 4, 2007.
- 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 5
Comparison of Groundwater Analytical Results to MCP Method 1 GW-2 Standards

Site ID:		East St. Area 1 - South		Lyman Street Area	Newell St. Area	Newell St. Area II	
Sample ID: Method 1 GW-2		72R	GMA1-6	LSSC-16S	GMA1-25	GMA1-27	
Parameter Date Collected:	Standards	10/23/07	10/23/07	10/17/07	10/18/07	10/18/07	
Volatile Organics							
1,1,1-Trichloroethane	4	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00014 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)	
2-Chloroethylvinylether	Not Listed	R [ND(0.013) J]	ND(0.013) J	ND(0.013) J	ND(0.013) J [ND(0.013) J]	R	
Acetone	50	ND(0.0050) J [ND(0.0050) J]	0.0047 J	ND(0.0050) J	0.0025 J [ND(0.0050) J]	ND(0.0050) J	
Chlorobenzene	0.2	ND(0.0010) [ND(0.0010)]	0.00014 J	ND(0.0010)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	
Chloroform	0.4	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.00081 J	ND(0.0010) [ND(0.0010)]	ND(0.0010)	
Tetrachloroethene	0.05	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.0075	ND(0.0010) [ND(0.0010)]	ND(0.0010)	
Trichloroethene	0.03	ND(0.0010) [ND(0.0010)]	ND(0.0010)	0.0011	ND(0.0010) [ND(0.0010)]	ND(0.0010)	
Total VOCs	5	ND(0.10) [ND(0.10)]	0.0048 J	0.0096 J	0.0025 J [ND(0.10)]	ND(0.10)	
Semivolatile Organics							
1,4-Dichlorobenzene	0.2	ND(0.0010) [ND(0.0010)]	0.0011	ND(0.0010)	ND(0.010) [ND(0.010)]	ND(0.010)	
bis(2-Ethylhexyl)phthalate	50	NA	NA	NA	0.0081 J [ND(0.010)]	ND(0.010)	

Notes:

- Samples were collected by ARCADIS BBL. and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered).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, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
- 3. Only volatile and semivolatile analyses are presented for the GW-2 Standards Comparison.
- 4. NA Not Analyzed.
- 5. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 6. Field duplicate sample results are presented in brackets.
- 7. Only volatile and semivolatile constituents detected in at least one sample are summarized.
- 8. Total VOCs are being compared to the notification level in the SOW of 5 ppm, as there is no GW-2 standard for Total VOCs.

Data Qualifiers:

Organics (volatiles, semivolatiles)

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

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID		30s Complex	East St. Area 1 - North	East St. Area 1 - South
Sample ID:	Method 1 GW-3	RF-02	ESA1N-52	139R
Parameter Date Collected:	Standards	10/12/07	10/18/07	10/23/07
Volatile Organics				
1,1-Dichloroethane	20	NA	NA	NA
2-Chloroethylvinylether	Not Listed	NA	NA	NA
Acetone	50	NA	NA	NA
Benzene	10	NA	NA	NA
Chlorobenzene	1	NA	NA	NA
Chloroethane	Not Listed	NA	NA	NA
Chloromethane	Not Listed	NA	NA	NA
Ethylbenzene	4	NA	NA	NA
Methylene Chloride	50	NA	NA	NA
Toluene	4	NA	NA	NA
trans-1,2-Dichloroethene	50	NA	NA	NA
Vinyl Chloride	50	NA	NA	NA
Xylenes (total)	0.5	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Total PCBs	0.0003	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	NA	NA	NA
1,3-Dichlorobenzene	50	NA	NA	NA
1,4-Dichlorobenzene	8	NA	NA	NA
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA
Inorganics-Filtered				
Barium	50	NA	NA	NA
Beryllium	0.05	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.01	NA	NA	NA
Zinc	0.9	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID		East S	t. Area 1 - South	
Sample ID:	Method 1 GW-3	72R	GMA1-18	GMA1-6
Parameter Date Collected:	Standards	10/23/07	10/22/07	10/23/07
Volatile Organics				
1,1-Dichloroethane	20	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
2-Chloroethylvinylether	Not Listed	R [ND(0.013) J]	NA	ND(0.013) J
Acetone	50	ND(0.0050) J [ND(0.0050) J]	NA	0.0047 J
Benzene	10	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chlorobenzene	1	ND(0.0010) [ND(0.0010)]	NA	0.00014 J
Chloroethane	Not Listed	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloromethane	Not Listed	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Ethylbenzene	4	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Methylene Chloride	50	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Toluene	4	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
trans-1,2-Dichloroethene	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Vinyl Chloride	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Xylenes (total)	0.5	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Aroclor-1260	Not Listed	ND(0.00065)	ND(0.000065)	ND(0.000065) J
Total PCBs	0.0003	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,3-Dichlorobenzene	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,4-Dichlorobenzene	8	ND(0.0010) [ND(0.0010)]	NA	0.0011
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA
Inorganics-Filtered				
Barium	50	0.0309 B [0.0302 B]	NA	NA
Beryllium	0.05	ND(0.0100) [0.0100]	NA	NA
Copper	Not Listed	0.0260 J [ND(0.0100) J]	NA	NA
Lead	0.01	ND(0.0100) [ND(0.0100)]	NA	NA
Zinc	0.9	0.00558 B [ND(0.0500)]	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID		East St. Are	ea 2 - North	East St. Ar	ea 2 - South		
Sample ID:	Method 1 GW-3	ES1-05	ES1-27R	3-6C-EB-14	E2SC-23		
Parameter Date Collected:	Standards	10/19/07	10/19/07	12/04/07	10/25/07		
Volatile Organics							
1,1-Dichloroethane	20	NA	NA	ND(0.20)	NA		
2-Chloroethylvinylether	Not Listed	NA	NA	ND(2.5) J	NA		
Acetone	50	NA	NA	ND(1.0)	NA		
Benzene	10	NA	NA	ND(0.20)	NA		
Chlorobenzene	1	NA	NA	0.79	NA		
Chloroethane	Not Listed	NA	NA	ND(0.20)	NA		
Chloromethane	Not Listed	NA	NA	ND(0.20)	NA		
Ethylbenzene	4	NA	NA	ND(0.20)	NA		
Methylene Chloride	50	NA	NA	ND(1.0)	NA		
Toluene	4	NA	NA	ND(0.20)	NA		
trans-1,2-Dichloroethene	50	NA	NA	ND(0.20)	NA		
Vinyl Chloride	50	NA	NA	ND(0.20)	NA		
Xylenes (total)	0.5	NA	NA	ND(0.20)	NA		
PCBs-Filtered							
Aroclor-1254	Not Listed	ND(0.000065) J	ND(0.000065)	NA	0.00081		
Aroclor-1260	Not Listed	ND(0.000065) J	ND(0.000065)	NA	0.00053		
Total PCBs	0.0003	ND(0.000065) J	ND(0.000065)	NA	0.00134		
Semivolatile Organics							
1,2,4-Trichlorobenzene	50	NA	NA	0.18 J	NA		
1,3-Dichlorobenzene	50	NA	NA	1.0	NA		
1,4-Dichlorobenzene	8	NA	NA	5.8	NA		
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA	NA		
Inorganics-Filtered							
Barium	50	NA	NA	NA	NA		
Beryllium	0.05	NA	NA	NA	NA		
Copper	Not Listed	NA	NA	NA	NA		
Lead	0.01	NA	NA	NA	NA		
Zinc	0.9	NA	NA	NA	NA		

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID			East St. Area	a 2 - South		
Sample ID:	Method 1 GW-3	E2SC-24	ES2-02A	ESA2S-64	GMA1-13	
Parameter Date Collected:	Standards	10/24/07	10/25/07	10/25/07	10/12/07	
Volatile Organics						
1,1-Dichloroethane	20	NA	ND(0.10)	0.022 J	NA	
2-Chloroethylvinylether	Not Listed	NA	ND(1.3) J	ND(1.0) J	NA	
Acetone	50	NA	ND(0.50) J	ND(0.40) J	NA	
Benzene	10	NA	0.11	0.011 J	NA	
Chlorobenzene	1	NA	2.1	0.39	NA	
Chloroethane	Not Listed	NA	ND(0.10)	2.0	NA	
Chloromethane	Not Listed	NA	ND(0.10)	ND(0.080)	NA	
Ethylbenzene	4	NA	0.026 J	0.11	NA	
Methylene Chloride	50	NA	0.022 J	0.031 J	NA	
Toluene	4	NA	ND(0.10)	0.042 J	NA	
trans-1,2-Dichloroethene	50	NA	ND(0.10)	ND(0.080)	NA	
Vinyl Chloride	50	NA	ND(0.10)	ND(0.080)	NA	
Xylenes (total)	0.5	NA	0.012 J	0.24	NA	
PCBs-Filtered						
Aroclor-1254	Not Listed	ND(0.000065)	NA	NA	ND(0.00011)	
Aroclor-1260	Not Listed	ND(0.000065)	NA	NA	ND(0.00011)	
Total PCBs	0.0003	ND(0.000065)	NA	NA	ND(0.00011)	
Semivolatile Organics						
1,2,4-Trichlorobenzene	50	NA	NA	NA	NA	
1,3-Dichlorobenzene	50	NA	NA	NA	NA	
1,4-Dichlorobenzene	8	NA	NA	NA	NA	
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA	NA	
Inorganics-Filtered						
Barium	50	NA	NA	NA	NA	
Beryllium	0.05	NA	NA	NA	NA	
Copper	Not Listed	NA	NA	NA	NA	
Lead	0.01	NA	NA	NA	NA	
Zinc	0.9	NA	NA	NA	NA	

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID		East St. Area 2 - South	L	yman Street Area		
Sample ID	Method 1 GW-3	HR-G3-MW-1	LS-29	LSSC-08S		
Parameter Date Collected	: Standards	10/25/07	10/25/07	10/17/07		
Volatile Organics						
1,1-Dichloroethane	20	NA	NA	NA		
2-Chloroethylvinylether	Not Listed	NA	NA	NA		
Acetone	50	NA	NA	NA		
Benzene	10	NA	NA	NA		
Chlorobenzene	1	NA	NA	NA		
Chloroethane	Not Listed	NA	NA	NA		
Chloromethane	Not Listed	NA	NA	NA		
Ethylbenzene	4	NA	NA	NA		
Methylene Chloride	50	NA	NA	NA		
Toluene	4	NA	NA	NA		
trans-1,2-Dichloroethene	50	NA	NA	NA		
Vinyl Chloride	50	NA	NA	NA		
Xylenes (total)	0.5	NA	NA	NA		
PCBs-Filtered						
Aroclor-1254	Not Listed	ND(0.000065)	0.00015	ND(0.000065) [ND(0.000065)]		
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]		
Total PCBs	0.0003	ND(0.000065)	0.00015	ND(0.000065) [ND(0.000065)]		
Semivolatile Organics						
1,2,4-Trichlorobenzene	50	NA	NA	NA		
1,3-Dichlorobenzene	50	NA	NA	NA		
1,4-Dichlorobenzene	8	NA	NA	NA		
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	NA		
Inorganics-Filtered						
Barium	50	NA	NA	NA		
Beryllium	0.05	NA	NA	NA		
Copper	Not Listed	NA	NA	NA		
Lead	0.01	NA	NA	NA		
Zinc	0.9	NA	NA	NA		

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID		Lyman Street Area		Newell St. Area II
Sample ID:	Method 1 GW-3	LSSC-18	MW-4R	GMA1-25
Parameter Date Collected:	Standards	10/25/07	10/17/07	10/18/07
Volatile Organics				
1,1-Dichloroethane	20	NA	0.00017 J	ND(0.0010) [ND(0.0010)]
2-Chloroethylvinylether	Not Listed	NA	ND(0.013) J	ND(0.013) J [ND(0.013) J]
Acetone	50	NA	ND(0.0050) J	0.0025 J [ND(0.0050) J]
Benzene	10	NA	0.0065	ND(0.0010) [ND(0.0010)]
Chlorobenzene	1	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloroethane	Not Listed	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Chloromethane	Not Listed	NA	0.0014	ND(0.0010) [ND(0.0010)]
Ethylbenzene	4	NA	ND(0.0010)	ND(0.0010) [ND(0.0010)]
Methylene Chloride	50	NA	ND(0.0050)	ND(0.0050) [ND(0.0050)]
Toluene	4	NA	0.00018 J	ND(0.0010) [ND(0.0010)]
trans-1,2-Dichloroethene	50	NA	0.00066 J	ND(0.0010) [ND(0.0010)]
Vinyl Chloride	50	NA	0.00095 J	ND(0.0010) [ND(0.0010)]
Xylenes (total)	0.5	NA	0.00065 J	ND(0.0010) [ND(0.0010)]
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	NA	ND(0.000065) J [ND(0.000065)]
Aroclor-1260	Not Listed	ND(0.000065)	NA	ND(0.000065) J [ND(0.000065)]
Total PCBs	0.0003	ND(0.000065)	NA	ND(0.000065) J [ND(0.000065)]
Semivolatile Organics				
1,2,4-Trichlorobenzene	50	NA	NA	ND(0.010) [ND(0.010)]
1,3-Dichlorobenzene	50	NA	NA	ND(0.010) [ND(0.010)]
1,4-Dichlorobenzene	8	NA	NA	ND(0.010) [ND(0.010)]
bis(2-Ethylhexyl)phthalate	0.03	NA	NA	0.0081 J [ND(0.010)]
Inorganics-Filtered			<u> </u>	
Barium	50	NA	NA	NA
Beryllium	0.05	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.01	NA	NA	NA
Zinc	0.9	NA	NA	NA

Table 6
Comparison of Groundwater Analytical Results to MCP Method 1 GW-3 Standards

Site ID		Newell St.	Area II
Sample ID:	Method 1 GW-3	GMA1-27	N2SC-07S
Parameter Date Collected:	Standards	10/18/07	12/04/07
Volatile Organics			
1,1-Dichloroethane	20	ND(0.0010)	NA
2-Chloroethylvinylether	Not Listed	R	NA
Acetone	50	ND(0.0050) J	NA
Benzene	10	ND(0.0010)	NA
Chlorobenzene	1	ND(0.0010)	NA
Chloroethane	Not Listed	ND(0.0010)	NA
Chloromethane	Not Listed	ND(0.0010)	NA
Ethylbenzene	4	ND(0.0010)	NA
Methylene Chloride	50	ND(0.0050)	NA
Toluene	4	ND(0.0010)	NA
trans-1,2-Dichloroethene	50	ND(0.0010)	NA
Vinyl Chloride	50	ND(0.0010)	NA
Xylenes (total)	0.5	ND(0.0010)	NA
PCBs-Filtered			
Aroclor-1254	Not Listed	ND(0.000065) J	0.00016
Aroclor-1260	Not Listed	ND(0.000065) J	0.00015
Total PCBs	0.0003	ND(0.000065) J	0.00031
Semivolatile Organics			
1,2,4-Trichlorobenzene	50	ND(0.010)	NA
1,3-Dichlorobenzene	50	ND(0.010)	NA
1,4-Dichlorobenzene	8	ND(0.010)	NA
bis(2-Ethylhexyl)phthalate	0.03	ND(0.010)	NA
Inorganics-Filtered			
Barium	50	NA	NA
Beryllium	0.05	NA	NA
Copper	Not Listed	NA	NA
Lead	0.01	NA	NA
Zinc	0.9	NA	NA

Notes:

- Samples were collected by ARCADIS BBL. and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered).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, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
- 3. NA Not Analyzed.
- 4. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 5. Only those constituents detected in one or more samples are summarized.
- 6. Field duplicate sample results are presented in brackets.
- 7. Shading indicates that value exceeds the Method 1 GW-3 standards.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

Inorganics

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

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Site ID		30s Complex	East St. Area 1 - North	East St. Area 1 - South
Sample ID:	MCP UCL	RF-02	ESA1N-52	139R
Parameter Date Collected:	for GroundWater	10/12/07	10/18/07	10/23/07
Volatile Organics				
1,1,1-Trichloroethane	100	NA	NA	NA
1,1-Dichloroethane	100	NA	NA	NA
2-Chloroethylvinylether	Not Listed	NA	NA	NA
Acetone	100	NA	NA	NA
Benzene	100	NA	NA	NA
Chlorobenzene	10	NA	NA	NA
Chloroethane	Not Listed	NA	NA	NA
Chloroform	100	NA	NA	NA
Chloromethane	Not Listed	NA	NA	NA
Ethylbenzene	100	NA	NA	NA
Methylene Chloride	100	NA	NA	NA
Tetrachloroethene	100	NA	NA	NA
Toluene	80	NA	NA	NA
trans-1,2-Dichloroethene	100	NA	NA	NA
Trichloroethene	50	NA	NA	NA
Vinyl Chloride	100	NA	NA	NA
Xylenes (total)	100	NA	NA	NA
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Aroclor-1260	Not Listed	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Total PCBs	0.005	ND(0.00010)	ND(0.000072) J	ND(0.000065)
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	NA	NA	NA
1,3-Dichlorobenzene	100	NA	NA	NA
1,4-Dichlorobenzene	80	NA	NA	NA
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA
Inorganics-Filtered				
Barium	100	NA	NA	NA
Beryllium	0.5	NA	NA	NA
Copper	Not Listed	NA	NA	NA
Lead	0.15	NA	NA	NA
Zinc	50	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Site ID		East St	. Area 1 - South	
Sample ID:	MCP UCL	72R	GMA1-18	GMA1-6
Parameter Date Collected:	for GroundWater	10/23/07	10/22/07	10/23/07
Volatile Organics				
1,1,1-Trichloroethane	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,1-Dichloroethane	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
2-Chloroethylvinylether	Not Listed	R [ND(0.013) J]	NA	ND(0.013) J
Acetone	100	ND(0.0050) J [ND(0.0050) J]	NA	0.0047 J
Benzene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chlorobenzene	10	ND(0.0010) [ND(0.0010)]	NA	0.00014 J
Chloroethane	Not Listed	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloroform	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Chloromethane	Not Listed	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Ethylbenzene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Methylene Chloride	100	ND(0.0050) [ND(0.0050)]	NA	ND(0.0050)
Tetrachloroethene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Toluene	80	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
trans-1,2-Dichloroethene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Trichloroethene	50	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Vinyl Chloride	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
Xylenes (total)	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
PCBs-Filtered				
Aroclor-1254	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Aroclor-1260	Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Total PCBs	0.005	ND(0.000065)	ND(0.000065)	ND(0.000065) J
Semivolatile Organics				
1,2,4-Trichlorobenzene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,3-Dichlorobenzene	100	ND(0.0010) [ND(0.0010)]	NA	ND(0.0010)
1,4-Dichlorobenzene	80	ND(0.0010) [ND(0.0010)]	NA	0.0011
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA
Inorganics-Filtered				
Barium	100	0.0309 B [0.0302 B]	NA	NA
Beryllium	0.5	ND(0.0100) [0.0100]	NA	NA
Copper	Not Listed	0.0260 J [ND(0.0100) J]	NA	NA
Lead	0.15	ND(0.0100) [ND(0.0100)]	NA	NA
Zinc	50	0.00558 B [ND(0.0500)]	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Site ID			East St. Are	a 2 - North	East St. Area 2 - South		
	Sample ID:	MCP UCL	ES1-05	ES1-27R	3-6C-EB-14	E2SC-23	
Parameter	Date Collected:	for GroundWater	10/19/07	10/19/07	12/04/07	10/25/07	
Volatile Organi	cs						
1,1,1-Trichloroet	thane	100	NA	NA	ND(0.20)	NA	
1,1-Dichloroetha	ine	100	NA	NA	ND(0.20)	NA	
2-Chloroethylvin	ylether	Not Listed	NA	NA	ND(2.5) J	NA	
Acetone		100	NA	NA	ND(1.0)	NA	
Benzene		100	NA	NA	ND(0.20)	NA	
Chlorobenzene		10	NA	NA	0.79	NA	
Chloroethane		Not Listed	NA	NA	ND(0.20)	NA	
Chloroform		100	NA	NA	ND(0.20)	NA	
Chloromethane		Not Listed	NA	NA	ND(0.20)	NA	
Ethylbenzene		100	NA	NA	ND(0.20)	NA	
Methylene Chlor	ride	100	NA	NA	ND(1.0)	NA	
Tetrachloroether	ne	100	NA	NA	ND(0.20)	NA	
Toluene		80	NA	NA	ND(0.20)	NA	
trans-1,2-Dichlor	roethene	100	NA	NA	ND(0.20)	NA	
Trichloroethene		50	NA	NA	ND(0.20)	NA	
Vinyl Chloride		100	NA	NA	ND(0.20)	NA	
Xylenes (total)		100	NA	NA	ND(0.20)	NA	
PCBs-Filtered							
Aroclor-1254		Not Listed	ND(0.000065) J	ND(0.000065)	NA	0.00081	
Aroclor-1260		Not Listed	ND(0.000065) J	ND(0.000065)	NA	0.00053	
Total PCBs		0.005	ND(0.000065) J	ND(0.000065)	NA	0.00134	
Semivolatile Or	ganics						
1,2,4-Trichlorobe	enzene	100	NA	NA	0.18 J	NA	
1,3-Dichloroben	zene	100	NA	NA	1.0	NA	
1,4-Dichloroben	zene	80	NA	NA	5.8	NA	
ois(2-Ethylhexyl))phthalate	100	NA	NA	NA	NA	
norganics-Filte	ered				•		
Barium		100	NA	NA	NA	NA	
Beryllium		0.5	NA	NA	NA	NA	
Copper		Not Listed	NA	NA	NA	NA	
Lead		0.15	NA	NA	NA	NA	
Zinc		50	NA	NA	NA	NA	

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Site ID			East St. Are	a 2 - South	
Sample ID:	MCP UCL	E2SC-24	ES2-02A	ESA2S-64	GMA1-13
Parameter Date Collected:	for GroundWater	10/24/07	10/25/07	10/25/07	10/12/07
Volatile Organics					
1,1,1-Trichloroethane	100	NA	ND(0.10)	ND(0.080)	NA
1,1-Dichloroethane	100	NA	ND(0.10)	0.022 J	NA
2-Chloroethylvinylether	Not Listed	NA	ND(1.3) J	ND(1.0) J	NA
Acetone	100	NA	ND(0.50) J	ND(0.40) J	NA
Benzene	100	NA	0.11	0.011 J	NA
Chlorobenzene	10	NA	2.1	0.39	NA
Chloroethane	Not Listed	NA	ND(0.10)	2.0	NA
Chloroform	100	NA	ND(0.10)	ND(0.080)	NA
Chloromethane	Not Listed	NA	ND(0.10)	ND(0.080)	NA
Ethylbenzene	100	NA	0.026 J	0.11	NA
Methylene Chloride	100	NA	0.022 J	0.031 J	NA
Tetrachloroethene	100	NA	ND(0.10)	ND(0.080)	NA
Toluene	80	NA	ND(0.10)	0.042 J	NA
trans-1,2-Dichloroethene	100	NA	ND(0.10)	ND(0.080)	NA
Trichloroethene	50	NA	ND(0.10)	ND(0.080)	NA
Vinyl Chloride	100	NA	ND(0.10)	ND(0.080)	NA
Xylenes (total)	100	NA	0.012 J	0.24	NA
PCBs-Filtered					
Aroclor-1254	Not Listed	ND(0.000065)	NA	NA	ND(0.00011)
Aroclor-1260	Not Listed	ND(0.000065)	NA	NA	ND(0.00011)
Total PCBs	0.005	ND(0.000065)	NA	NA	ND(0.00011)
Semivolatile Organics					
1,2,4-Trichlorobenzene	100	NA	NA	NA	NA
1,3-Dichlorobenzene	100	NA	NA	NA	NA
1,4-Dichlorobenzene	80	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA	NA
Inorganics-Filtered					
Barium	100	NA	NA	NA	NA
Beryllium	0.5	NA	NA	NA	NA
Copper	Not Listed	NA	NA	NA	NA
Lead	0.15	NA	NA	NA	NA
Zinc	50	NA	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

	Site ID		East St. Area 2 - South	Ly	man Street Area
	Sample ID:	MCP UCL	HR-G3-MW-1	LS-29	LSSC-08S
Parameter	Date Collected:	for GroundWater	10/25/07	10/25/07	10/17/07
Volatile Organic	s				
1,1,1-Trichloroeth	nane	100	NA	NA	NA
1,1-Dichloroethai	ne	100	NA	NA	NA
2-Chloroethylviny	lether	Not Listed	NA	NA	NA
Acetone		100	NA	NA	NA
Benzene		100	NA	NA	NA
Chlorobenzene		10	NA	NA	NA
Chloroethane		Not Listed	NA	NA	NA
Chloroform		100	NA	NA	NA
Chloromethane		Not Listed	NA	NA	NA
Ethylbenzene		100	NA	NA	NA
Methylene Chlori	de	100	NA	NA	NA
Tetrachloroethen	е	100	NA	NA	NA
Toluene		80	NA	NA	NA
trans-1,2-Dichlor	oethene	100	NA	NA	NA
Trichloroethene		50	NA	NA	NA
Vinyl Chloride		100	NA	NA	NA
Xylenes (total)		100	NA	NA	NA
PCBs-Filtered					
Aroclor-1254		Not Listed	ND(0.000065)	0.00015	ND(0.000065) [ND(0.000065)]
Aroclor-1260		Not Listed	ND(0.000065)	ND(0.000065)	ND(0.000065) [ND(0.000065)]
Total PCBs		0.005	ND(0.000065)	0.00015	ND(0.000065) [ND(0.000065)]
Semivolatile Org	ganics				
1,2,4-Trichlorobe	nzene	100	NA	NA	NA
1,3-Dichlorobenz	ene	100	NA	NA	NA
1,4-Dichlorobenz	ene	80	NA	NA	NA
bis(2-Ethylhexyl)	phthalate	100	NA	NA	NA
Inorganics-Filte	red				
Barium		100	NA	NA	NA
Beryllium		0.5	NA	NA	NA
Copper		Not Listed	NA	NA	NA
Lead	_	0.15	NA	NA	NA
Zinc		50	NA	NA	NA

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Site II	D	Lyman Street Area					
Sample ID): MCP UCL	LSSC-16S	LSSC-18	MW-4R			
Parameter Date Collected	d: for GroundWater	10/17/07	10/25/07	10/17/07			
Volatile Organics							
1,1,1-Trichloroethane	100	0.00014 J	NA	ND(0.0010)			
1,1-Dichloroethane	100	ND(0.0010)	NA	0.00017 J			
2-Chloroethylvinylether	Not Listed	ND(0.013) J	NA	ND(0.013) J			
Acetone	100	ND(0.0050) J	NA	ND(0.0050) J			
Benzene	100	ND(0.0010)	NA	0.0065			
Chlorobenzene	10	ND(0.0010)	NA	ND(0.0010)			
Chloroethane	Not Listed	ND(0.0010)	NA	ND(0.0010)			
Chloroform	100	0.00081 J	NA	ND(0.0010)			
Chloromethane	Not Listed	ND(0.0010)	NA	0.0014			
Ethylbenzene	100	ND(0.0010)	NA	ND(0.0010)			
Methylene Chloride	100	ND(0.0050)	NA	ND(0.0050)			
Tetrachloroethene	100	0.0075	NA	ND(0.0010)			
Toluene	80	ND(0.0010)	NA	0.00018 J			
trans-1,2-Dichloroethene	100	ND(0.0010)	NA	0.00066 J			
Trichloroethene	50	0.0011	NA	ND(0.0010)			
Vinyl Chloride	100	ND(0.0010)	NA	0.00095 J			
Xylenes (total)	100	ND(0.0010)	NA	0.00065 J			
PCBs-Filtered							
Aroclor-1254	Not Listed	NA	ND(0.000065)	NA			
Aroclor-1260	Not Listed	NA	ND(0.000065)	NA			
Total PCBs	0.005	NA	ND(0.000065)	NA			
Semivolatile Organics							
1,2,4-Trichlorobenzene	100	ND(0.0010)	NA	NA			
1,3-Dichlorobenzene	100	ND(0.0010)	NA	NA			
1,4-Dichlorobenzene	80	ND(0.0010)	NA	NA			
bis(2-Ethylhexyl)phthalate	100	NA	NA	NA			
Inorganics-Filtered							
Barium	100	NA	NA	NA			
Beryllium	0.5	NA	NA	NA			
Copper	Not Listed	NA	NA	NA			
Lead	0.15	NA	NA	NA			
Zinc	50	NA	NA	NA			

Table 7
Comparison of Groundwater Analytical Results to MCP UCLs for Groundwater

Site ID			Newe	ell St. Area II	
	Sample ID:	MCP UCL	GMA1-25	GMA1-27	N2SC-07S
Parameter	Date Collected:	for GroundWater	10/18/07	10/18/07	12/04/07
Volatile Organics					
1,1,1-Trichloroethai	ne	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1-Dichloroethane		100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
2-Chloroethylvinyle	ther	Not Listed	ND(0.013) J [ND(0.013) J]	R	NA
Acetone		100	0.0025 J [ND(0.0050) J]	ND(0.0050) J	NA
Benzene		100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chlorobenzene		10	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloroethane		Not Listed	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloroform		100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloromethane		Not Listed	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Ethylbenzene		100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Methylene Chloride	1	100	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Tetrachloroethene		100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Toluene		80	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
trans-1,2-Dichloroe	thene	100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Trichloroethene		50	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Vinyl Chloride		100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Xylenes (total)		100	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
PCBs-Filtered					
Aroclor-1254		Not Listed	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00016
Aroclor-1260		Not Listed	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00015
Total PCBs		0.005	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00031
Semivolatile Orga	nics				
1,2,4-Trichlorobenz	ene	100	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,3-Dichlorobenzen	ie	100	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,4-Dichlorobenzen	ie	80	ND(0.010) [ND(0.010)]	ND(0.010)	NA
bis(2-Ethylhexyl)ph	thalate	100	0.0081 J [ND(0.010)]	ND(0.010)	NA
Inorganics-Filtered	d				
Barium		100	NA	NA	NA
Beryllium		0.5	NA	NA	NA
Copper		Not Listed	NA	NA	NA
Lead		0.15	NA	NA	NA
Zinc		50	NA	NA	NA

Notes:

- 1. Samples were collected by ARCADIS BBL. and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered).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, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
- 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.
- 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.
- R Data was rejected due to a deficiency in the data generation process.

Inorganics

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

Table 8
Interim Groundwater Quality Monitoring Program Activities - Spring 2008

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 General Electric Company - Pittsfield, Massachusetts

Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2008 Analyses ⁽³⁾	Comments
RAA 1 - 40s COMPI	LEX			
No interim gro	oundwater quality monitoring schedu	led to be performed	d in this RAA.	
RAA 2 - 30s COMPI	LEX			
RF-02	GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
RAA 3 - 20s COMPI	LEX			
No interim gro	oundwater quality monitoring schedu	led to be performed	d in this RAA.	
RAA 4 - EAST STRI	EET AREA 2-SOUTH			
3-6C-EB-14	GW-3 Perimeter (Downgradient)	Annual (1)	VOC	
GMA1-13	GW-3 General/Source Area Sentinel	Annual (1)	PCB	
E2SC-23	GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
E2SC-24	GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
ES2-02A	GW-3 Perimeter (Downgradient)	Annual (1)	VOC	
ESA2S-64	GW-3 Perimeter (Downgradient)	Annual (1)	VOC	
HR-G3-MW-1	GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
RAA 5 - EAST STRE	EET AREA 2-NORTH			
ES1-05	GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
ES1-27R	GW-3 General/ Source Area Sentinel	Annual (1)	PCB	

Table 8
Interim Groundwater Quality Monitoring Program Activities - Spring 2008

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 General Electric Company - Pittsfield, Massachusetts

RAA 6 - EAST STREET AREA 1-NORTH GW-2 Sentinel/ GW-2 Sentinel/ PCI Sentinel RAA 12 - LYMAN STREET AREA GW-3 General/Source Area Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel PCI Sentinel Semi-annual PCI Semi-ann	
ESA1N-52 GW-3 General/Source Area Sentinel Annual (1) PCR RAA 12 - LYMAN STREET AREA GW-3 General/Source Area Sentinel Annual (1) PCR LS-29 GW-3 General/Source Area Sentinel Annual (1) PCR LS-MW-4R GW-3 Perimeter (Downgradient) Annual (1) PCR LSSC-08S GW-3 Perimeter (Downgradient) Annual (1) VOC (+5 LSSC-16S GW-2 Sentinel Annual (1) PCR RAA 13 - NEWELL STREET AREA II GW-2 Sentinel/GW-3 Perimeter (Upgradient) Semi-annual (2) VOC/SVC	
LS-29	
LS-29 Sentinel Annual (1) PCR	
LSSC-08S GW-3 Perimeter (Downgradient) Annual (1) PCI (Downgradient) Annual (1) VOC (+5 LSSC-16S GW-2 Sentinel Annual (1) PCI (Downgradient) Annual (1) PCI (Downgradient) Annual (1) PCI (Downgradient) GW-3 Perimeter (Downgradient) Semi-annual (2) VOC/SVC (Upgradient)	3
LSSC-08S (Downgradient) Annual (1) PCI LSSC-16S GW-2 Sentinel Annual (1) VOC (+5 LSSC-18 GW-3 Perimeter (Downgradient) Annual (1) PCI RAA 13 - NEWELL STREET AREA II GW-2 Sentinel/ GW-3 Perimeter (Upgradient) Semi-annual (2) VOC/SVC	
LSSC-18 GW-3 Perimeter (Downgradient) PCI RAA 13 - NEWELL STREET AREA II GW-2 Sentinel/ GW-3 Perimeter (Upgradient) Semi-annual (2) VOC/SVC	3
LSSC-18 (Downgradient) Annual (1) PCI RAA 13 - NEWELL STREET AREA II GW-2 Sentinel/ GW-3 Perimeter (Upgradient) Semi-annual (2) VOC/SVC	SVOC)
GMA1-25 GW-2 Sentinel/ GW-3 Perimeter Semi-annual (2) VOC/SVC (Upgradient)	3
GMA1-25 GW-3 Perimeter Semi-annual ⁽²⁾ VOC/SVC (Upgradient)	
GW-2 Sentinel/	
GMA1-27 GW-3 Perimeter Semi-annual (2) VOC/SVC (Upgradient)	Peristaltic pump to be utilized for sample collection.
N2SC-07S GW-3 Perimeter (Downgradient) Annual (1) PCI	
RAA 14 - NEWELL STREET AREA	DC/PCB

Table 8
Interim Groundwater Quality Monitoring Program Activities - Spring 2008

Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 General Electric Company - Pittsfield, Massachusetts

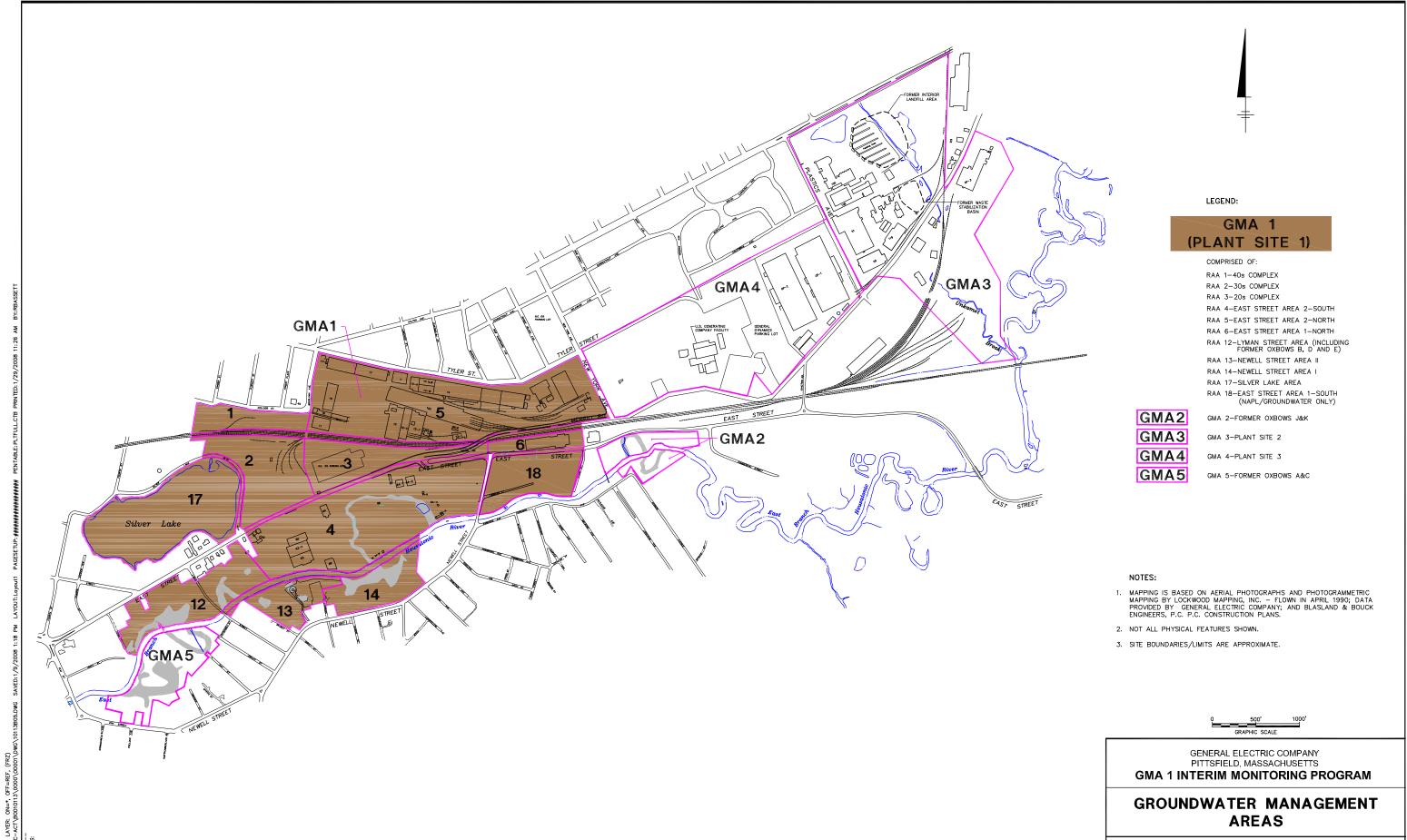
Well Number	Monitoring Well Usage	Sampling Schedule	Spring 2008 Analyses ⁽³⁾	Comments
RAA 18 - EAST ST	REET AREA 1 SOUTH			
72R	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual (1)	VOC (+5 SVOC)/ PCB/Cyanide/Meta Is	
139R	GW-2 Sentinel/ GW-3 Perimeter (Downgradient)	Annual (1)	PCB	
GMA1-6	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual (1)	VOC(+5 SVOC)/ PCB	
GMA1-18	GW-2 Sentinel/ GW-3 General/Source Area Sentinel	Annual (1)	PCB	

NOTES:

- 1. The wells scheduled for annual groundwater quality sampling are sampled for the listed parameters during the interim period between the completion of the baseline monitoring program and the initiation of a long-term monitoring program. The sampling schedule alternates between the spring and fall seasons each year, beginning with spring 2004.
- 2. Wells GMA1-25 and GMA1-27 were added to the interim monitoring program in fall 2007 and are scheduled for four semi-annual rounds of groundwater quality sampling for the listed parameters, after which the needs for additional sampling during the interim period or as part of a long-term monitoring program will be assessed.
- 3. All analyses for PCB, metals, and cyanide conducted under the annual interim monitoring program are performed on filtered samples only.

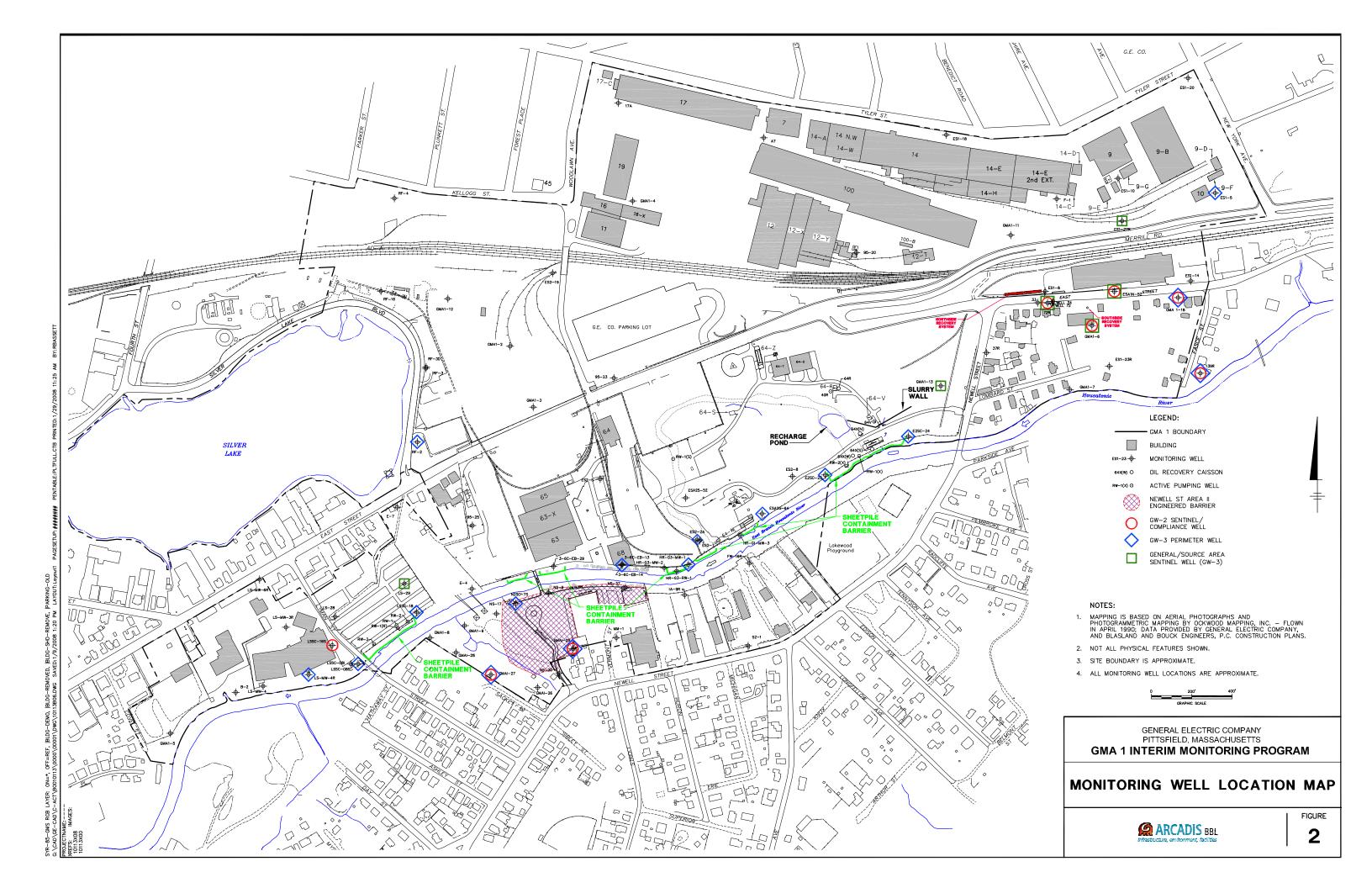
ARCADIS

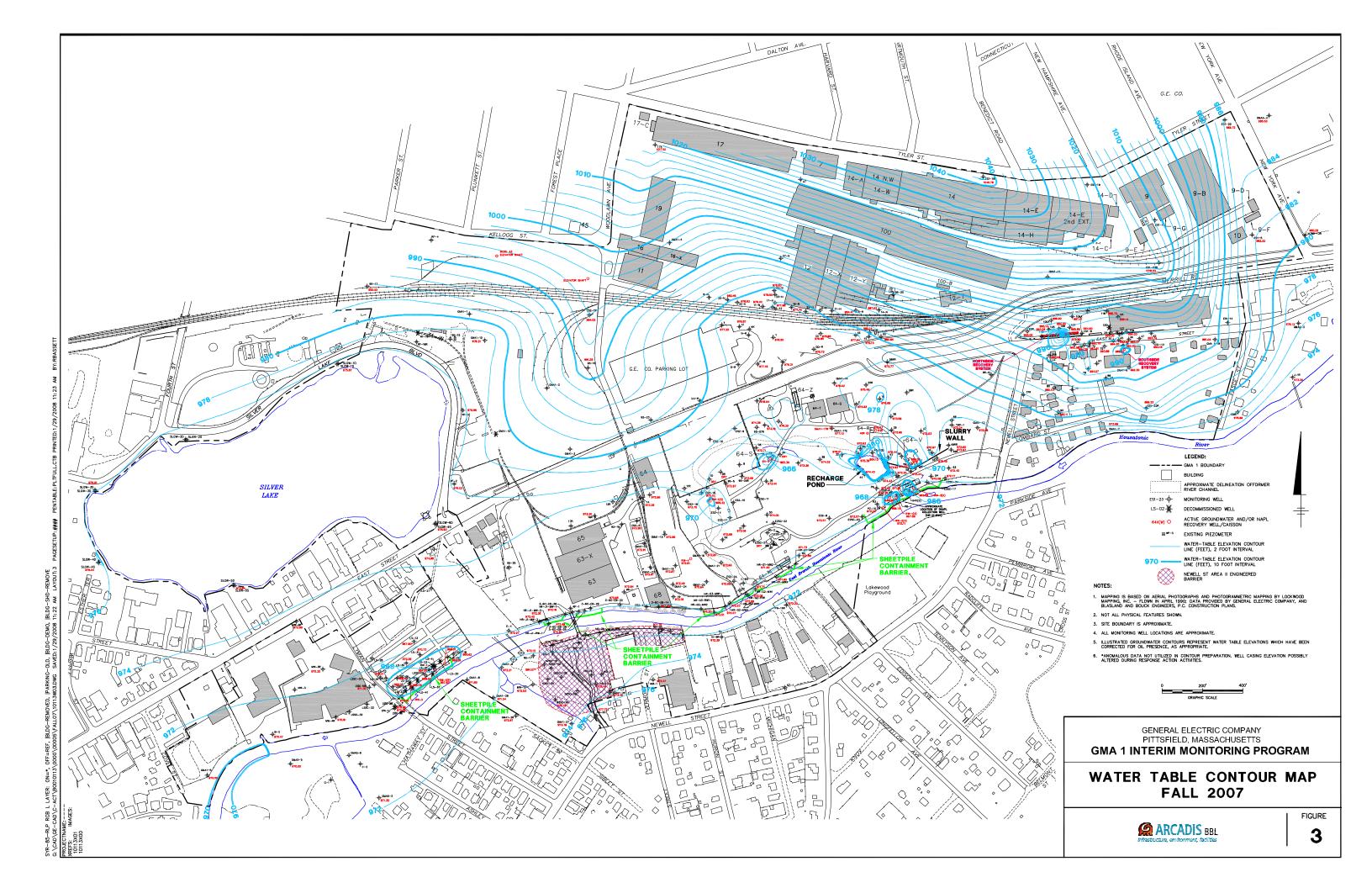
Figures



FIGURE

ARCADIS BBL infrastructure, environment, facilities





ARCADIS

Appendices

ARCADIS

Appendix A

Field Sampling Data

Table A-1 Summary of Groundwater Sampling Methods Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 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	Spring 2006	Fall 2006	Spring 2007	Fall 2007
RAA 2 - 30s COMF												
RF-02	SP	PP	PP	BP	NS	PP	NS	PP	PP	NS	NS	PP
RF-16/RF-16R	PP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	NS
			rom interim m	onitoring pro	gram.							
RAA 4 - EAST STR 3-6C-EB-14	PP	PP	PP	BP	NS	NS	NS	NS	NS	NS	NS	BP
D-0C-ED-14										INS	INS	DP
	Well was fou	ind and samp	led in Decemb gen meter m	per 2007.	nable to locate	wen dunng i	rılda sampımıç	g enons in Oci	.obei 2007,			
			en meter malf									
95-09/GMA1-13	BA	PP/BA	NS	PP	BP	BP	NS	BP	BP	NS	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.										1	
E2SC-23	SP/PP/BA	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
	Fall 2002: W	'ell dried durin ubmersible pu	g purging. Se	veral visits re	quired to colle	ct sample vo	lume.			ng. Samples co e - multiple vis		
E2SC-24	SP	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
	Spring 2004:		analysis can		vater level read extremely low			econd sample	was collecte	d and analyze	d.	
ES2-02A	SP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
			I lates and stro urbidity below		rved.							1
ESA2S-52	PP	PP/BA	PP	PP	NS	PP	NS	PP	PP	NS	NS	NS
	Fall 2002: W Fall 2001: Di	ell officially ad	en meter malf	oring program unction.	n in place of w							
ESA2S-64	SP SP	BP	PP	BP	ntal monitoring NS	NS	NS	NS	BP	NS	NS	BP
	Spring 2006:	Supplement	al sampling p	erformed.	Slight odor ob		apacad for add	ditional campli	ng under inte	erim monitoring	program	
	Fall 2002: P	etroleum odo	r and sheen o urbidity below	bserved.	ionitoring com	piete, not pic	posed for add	allonal sampli	ng under inte	min morntoning	program.	
HR-G1-MW-3	SP SP	PP PP	PP	BP	BP	BP	NS	BP	BP	NS	NS	NS
	Fall 2003: Ri Spring 2002:	iver elevation Dissolved ox	I rom interim m very high, wa sygen meter m	ter near base alfunction.								1
HR-G3-MW-1	Fall 2001: U	Inable to get t	urbidity below	50 NTU.	BP	BP	NS	BP	BP	NS	NS	BP BP
		: Barely able t	o get turbidity		U (49 NTU at							
	Fall 2001: Pu	ump malfuncti			n, was briefly s		J ,					
RAA 5 - EAST STR ES1-05	BA	NORTH BP	SP	BP	BP	BP	NS	BP	BP	NS	NS	BP
	Spring 2003:	: Portion of w	ell casing brol	ken.		evel below to	p of pump, un	able to collect	water level i	readings during	g purging.	
	Spring 2002:	: Well casing	 unable to get broken at top rs not collecte 		low 50 NTU.							
ES1-27R	SP	BP	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
			I en meter malf		1		I .	l .		1		1

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Table A-1 Summary of Groundwater Sampling Methods Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 General Electric Company - Pittsfield, Massachusetts

Well ID	Sampling Method											_
well iD	Fall 2001	Spring	Fall 2002	Spring	Fall 2003	Spring	Fall 2004	Fall 2005	Spring	Fall 2006	Spring	Fall 2007
RAA 6 - EAST STF	L REET AREA 1-1	NORTH		2003		2004			2006		2007	
ES1-08	PP	PP	PP	NS	NS	NS	NS	NS	NS	NS	NS	NS
		<u> </u>	<u> </u>		L							
		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).											
					g). Well dried	several times	during sampl	ing.				
ES1-14	PP	PP	PP	PP	NS	NS	NS	NS	NS	NS	NS	NS
	0	Ni	. U r. d. d r					MAA 40 ((
					cess issue - w under interim					monitoring eve	nts.	
						0 1	0			ls during purgii	ng.	
					asure water le	vels during p	urging.			0. 0	•	
	_	ell purged dry										
ESA1N-52	PP	PP	PP	PP	NS	PP	NS	PP	PP	NS	NS	PP
	Fall 2007: Sli	ight septic od	or observed							I		
		LNAPL prese		prior to samp	ling).							
		Sheen obser										
		ight sheen ob		nriar ta aama	lina)							
		: LNAPL present										
RAA 12 - LYMAN S			(romovou pm	or to oamping	9/-							
LS-29	SP	BP	NS	PP	PP	PP	NS	PP	PP	NS	NS	PP
	0 : 0000	<u> </u>	ļ.,,	<u> </u>								
		: Pump type o /ell not sampl			p to peristaltic	pump.						
LSSC-08S	PP	BP	PP	BP	NS	BP	NS	BP	BP	BP	BP	PP
						ear pump inta	ake, could not	collect depth	to water read	dings during pu	ırging.	
000 100		urbidity meter					NO	DD	DD	l No	NO	
LSSC-16S	SP	PP/BA	PP	BP	NS	BP	NS	BP	BP	NS	NS	BP
1000 40	Spring 2003: sampling.	Tubidity rela		NTU); did n		ery low pump	ing rate. Trac			nitial purge, no	•	
LSSC-18	SP/PP	PP/BA	PP	BP	NS	BP	NS	BP	BP	BP	BP	BP
	Fall 2007: W	ater level belo	ow top of pum	p, unable to	collect water le	evel readings	during nurgin	g.		1		
		urbidity meter			ıallv clear. Su		adining panging		ata a atta ada a	change to pe		
MW-4/MW-4R							mp malfunction					
	PP	PP	PP	PP	NS	bmersible pu PP		n during sam PP	PP	NS NS	ristaltic pump NS	for PP
					NS		mp malfunction					
	Fall 2007: El	evated pH ob	served, instra	ment calibrat	NS ion checked.	PP	mp malfunction	PP	PP		NS	
	Fall 2007: Ele Fall 2003: No Spring 2003:	evated pH ob sample colle Well cap mis	served, instra ected - additio ssing - replace	ment calibratinal sampling	NS ion checked. under interim	PP	mp malfunction	PP	PP	NS	NS	
DAA 42 NEWELL	Fall 2007: Ele Fall 2003: No Spring 2003: Fall 2002: Tu	evated pH ob cosample colle Well cap misurbidity meter	served, instra ected - additio ssing - replace	ment calibratinal sampling	NS ion checked. under interim	PP	mp malfunction	PP	PP	NS	NS	
RAA 13 - NEWELL	Fall 2007: Eli Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE	evated pH ob cosample colle Well cap misurbidity meter	served, instra ected - additio ssing - replace malfunction.	ment calibratinal sampling	NS ion checked. under interim	PP monitoring pr	mp malfunction	PP me at replace	PP	NS	NS	PP
	Fall 2007: Ele Fall 2003: No Spring 2003: Fall 2002: Tu	evated pH ob cosample colle Well cap misurbidity meter	served, instra ected - additio ssing - replace	ment calibratinal sampling	NS ion checked. under interim	PP	mp malfunction	PP	PP	NS	NS	
	Fall 2007: Eli Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W	evated pH ob o sample colle Well cap mi urbidity meter A II NS	served, instra ected - additio ssing - replace malfunction. NS nterm monitor	ment calibratinal sampling ed. Samples visu	NS ion checked. under interim ually clear. NS	PP monitoring pr	mp malfunction PP ogram to resu	PP me at replace	PP ement well M NS	NS NS W-4R in spring	NS 2004.	PP PP
GMA1-25	Fall 2007: Eli Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W pH observed	evated pH ob o sample colle Well cap mi- urbidity meter A II NS ell added to ir	served, instra ected - additio ssing - replace malfunction. NS nterm monitor calibration che	ment calibratinal sampling ed. Samples visu NS ing program. cked.	NS under interim lally clear.	monitoring pr	mp malfunction PP ogram to resu NS install bladde	PP me at replace NS r pump. Use	PP ement well M NS d peristaultic	NS W-4R in spring NS pump for sam	NS 2004. NS oble collection	PP PP. Elevated
GMA1-25	Fall 2007: Eli Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W	evated pH ob o sample colle Well cap mi urbidity meter A II NS	served, instra ected - additio ssing - replace malfunction. NS nterm monitor	ment calibratinal sampling ed. Samples visu	NS ion checked. under interim ually clear. NS	PP monitoring pr	mp malfunction PP ogram to resu	PP me at replace	PP ement well M NS	NS W-4R in spring	NS 2004.	PP PP
GMA1-25	Fall 2007: Ele Fall 2003: Ne Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W pH observed NS	evated pH ob o sample colleto sample	served, instra acted - additio ssing - replace malfunction. NS hterm monitor calibration che	ment calibratinal sampling ed. Samples visu NS ing program.cked. NS	NS under interim lally clear.	monitoring pr	mp malfunction PP ogram to resu NS install bladde	PP me at replace NS r pump. Use	PP ement well M NS d peristaultic	NS W-4R in spring NS pump for sam	NS 2004. NS oble collection	PP PP. Elevated
GMA1-25 GMA1-27	Fall 2007: Ele Fall 2003: Ne Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W pH observed NS	evated pH ob o sample colle Well cap mi- urbidity meter A II NS ell added to in	served, instra acted - additio ssing - replace malfunction. NS hterm monitor calibration che	ment calibratinal sampling ed. Samples visu NS ing program.cked. NS	NS under interim lally clear.	monitoring pr	mp malfunction PP ogram to resu NS install bladde	PP me at replace NS r pump. Use	PP ement well M NS d peristaultic	NS W-4R in spring NS pump for sam	NS 2004. NS oble collection	PP PP. Elevated
GMA1-25 GMA1-27	Fall 2007: Ele Fall 2003: OX Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W pH observed NS Fall 2007: W SP	evated pH ob o sample colle os ample colle os well cap misurbidity meter A II	served, instra ceted - additio ssing - replace malfunction. NS Interm monitor NS Interim monitor PP	ment calibrational sampling ed. Samples visu. NS ing program. cked. NS ing program. BP	NS ion checked. under interim ially clear. NS Well at an an NS	PP monitoring pr NS gle, could not	mp malifunction PP ogram to result NS install bladde NS NS	NS or pump. Use NS BP	PP ement well M NS d peristaultic NS	NS W-4R in spring NS pump for sam NS NS	NS 12004. NS Die collection NS	PP PP Elevated BP
GMA1-25 GMA1-27	Fall 2007: Ele Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W pH observed NS Fall 2007: W SP	evated pH ob o sample colle os ample colle os well cap misurbidity meter A II	served, instra served, instra sected - additio ssing - replace malfunction. NS Interm monitor NS Interim monitor PP Re well during i	ment calibrat nal sampling ed. Samples visu NS ing program. cked. NS ring program. BP nitial samplin.	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Oc	PP monitoring pr NS gle, could not	mp malifunction PP ogram to result NS install bladde NS NS	NS or pump. Use NS BP	PP ement well M NS d peristaultic NS	NS W-4R in spring NS pump for sam	NS 12004. NS Die collection NS	PP PP Elevated BP
GMA1-25 GMA1-27 N2SC-07S	Fall 2007: Ele Fall 2003: Ne Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W pH observed NS Fall 2007: W SP Fall 2007: Ur partial blocka	evated pH ob o sample colle o sample college of the	served, instracted - additional a	ment calibrat nal sampling ed. Samples visu NS ing program. cked. NS ing program. BP nitial samplin:	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Ocd	PP monitoring pr NS gle, could not NS BP tober 2007, w	mp malfunction PP ogram to results NS install bladde NS NS vell was found	NS r pump. Use NS BP and sampled	PP ement well M NS d peristaultic NS BP in Decembe	NS W-4R in spring NS pump for sam NS NS r 2007. Could	NS 2004. NS ple collection NS NS not insert bla	PP PP Elevated BP PP adder pump
GMA1-25 GMA1-27 N2SC-07S	Fall 2007: Ele Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W pH observed NS Fall 2007: W SP	evated pH ob o sample colle os ample colle os well cap misurbidity meter A II	served, instra served, instra sected - additio ssing - replace malfunction. NS Interm monitor NS Interim monitor PP Re well during i	ment calibrat nal sampling ed. Samples visu NS ing program. cked. NS ring program. BP nitial samplin.	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Oc	PP monitoring pr NS gle, could not	mp malifunction PP ogram to result NS install bladde NS NS	NS or pump. Use NS BP	PP ement well M NS d peristaultic NS	NS W-4R in spring NS pump for sam NS NS	NS 12004. NS Die collection NS	PP PP Elevated BP
GMA1-25 GMA1-27 N2SC-07S	Fall 2007: Ele Fall 2003: Ox Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W Hobserved NS Fall 2007: W SP Fall 2007: Ur partial blocke SP Fall 2007: W Fall 2007: Ur	evated pH ob o sample colle or sample colle or sample colle or sample colle or sample colled or sample colle	served, instra served, instra sected - additio ssing - replace malfunction. NS Interm monitor valibration che INS Interim monitor INS Interim monitor INS Interim monitor INS Interim monitor INS INS INS INS INS INS INS INS	ment calibrational sampling and. Samples visual NS ing program. cked. NS ing program. cked. NS ing program. pump utilize PP	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Ocd.	PP monitoring pr NS gle, could not NS BP tober 2007, w	mp malfunction PP ogram to results NS install bladde NS NS vell was found	NS r pump. Use NS BP and sampled	PP ement well M NS d peristaultic NS BP in Decembe	NS W-4R in spring NS pump for sam NS NS r 2007. Could	NS 2004. NS ple collection NS NS not insert bla	PP PP Bedder pump
GMA1-25 GMA1-27 N2SC-07S NS-17	Fall 2007: Ele Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W PH observed NS Fall 2007: W SP Fall 2007: Ur partial blocka SP Fall 2007: W REET AREA 1	evated pH ob o sample colle o sample college of the	served, instracted - additions additions and additions are placed malfunction. NS Interm monitor additions and additional monitor additional monitor per several during it well, peristaltic per committee monitor monitor per committee monitor monitor per committee monitor monito	ment calibrational sampling and. Samples visual NS ing program. cked. NS ing program. BP nitial sampline: pump utilize PP	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Ocd. PP gram.	PP monitoring pr NS gle, could not NS BP tober 2007, w	mp malfunction PP ogram to result NS install bladde NS NS vell was found	NS In pump. Use INS	PP ment well M NS d peristaultic NS BP in Decembe	NS W-4R in spring NS pump for sam NS NS r 2007. Could	NS 12004. NS Die collection NS NS NS NS NS NS NS	PP PP Elevated BP PP adder pump NS
GMA1-25 GMA1-27 N2SC-07S NS-17	Fall 2007: Ele Fall 2003: Ox Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W Hobserved NS Fall 2007: W SP Fall 2007: Ur partial blocke SP Fall 2007: W Fall 2007: Ur	evated pH ob o sample colle or sample colle or sample colle or sample colle or sample colled or sample colle	served, instra served, instra sected - additio ssing - replace malfunction. NS Interm monitor valibration che INS Interim monitor INS Interim monitor INS Interim monitor INS Interim monitor INS INS INS INS INS INS INS INS	ment calibrational sampling and. Samples visual NS ing program. cked. NS ing program. cked. NS ing program. pump utilize PP	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Ocd.	PP monitoring pr NS gle, could not NS BP tober 2007, w	mp malfunction PP ogram to results NS install bladde NS NS vell was found	NS r pump. Use NS BP and sampled	PP ement well M NS d peristaultic NS BP in Decembe	NS W-4R in spring NS pump for sam NS NS r 2007. Could	NS 2004. NS ple collection NS NS not insert bla	PP PP Bedder pump
RAA 13 - NEWELL GMA1-25 GMA1-27 N2SC-07S NS-17 RAA 18 - EAST S1 ESA1S-33/72R	Fall 2007: Ele Fall 2003: Ne Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W pH observed NS Fall 2007: W SP Fall 2007: W SP Fall 2007: W partial blocke SP Fall 2007: W REET AREA 1 NS	evated pH ob o sample colle o sample college of the sample college of the sample college of the sample to locate age at top of the sample college of the sample	served, instracted - additional a	ment calibratinal sampling ed. Samples visu NS ing program.cked. NS ing program.gended. NS ing program.gended. PP onitial sampling.gended. PP onitoring program.gended.	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Ocd. PP gram.	PP monitoring pr NS gle, could not NS BP tober 2007, w	mp malfunction PP ogram to result NS install bladde NS NS vell was found	NS In pump. Use INS	PP ment well M NS d peristaultic NS BP in Decembe	NS W-4R in spring NS pump for sam NS NS r 2007. Could	NS 12004. NS Die collection NS NS NS NS NS NS NS	PP PP Elevated BP PP adder pump NS
GMA1-25 GMA1-27 N2SC-07S NS-17	Fall 2007: Ele Fall 2003: Tel STREET ARE NS Fall 2007: W pH observed NS Fall 2007: W partial blocka SP Fall 2007: W REET AREA 1 NS Fall 2007: W REET AREA 1 NS	evated pH ob o sample college of the period	served, instracted - additions a context of the con	ment calibrational sampling and. Samples visual Samples visual NS ing program. Cked. NS ing program. BP initial sampling program. PP onitoring program.	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Ocd. PP gram.	PP monitoring pr NS gle, could not NS BP tober 2007, w	mp malifunction PP ogram to results NS install bladde NS NS vell was found NS	NS Pr pump. Use NS BP and sampled PP	PP ment well M NS d peristaultic NS BP in Decembe	NS W-4R in spring NS pump for sam NS NS r 2007. Could	NS 12004. NS Die collection NS NS NS NS NS NS NS	PP PP Elevated BP PP adder pump NS
GMA1-25 GMA1-27 N2SC-07S NS-17	Fall 2007: Ele Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W Hobserved NS Fall 2007: W SP Fall 2007: Ur Partial blocka SP Fall 2007: W REET AREA 1 NS Fall 2008: W Spring 2004: W Spring 2004: Fall 2003: No	evated pH ob o sample colle variety meter A II NS ell added to in, instrument of NS ell added to in BP nable to locate age at top of variety meter A II NS ell added to in BP nable to locate age at top of variety meter A II NS ell added to in BP nable to locate age at top of variety meter A II NS ell added to in NS ell removed fit SOUTH NS ell added to in NS sample con sample collections are presented by the sample collections are present	served, instracted - additions additions and additions are place malfunction. NS Interm monitor additions and additions are place with a service and a serv	ment calibrational sampling and. Samples visual Samples visual Samples visual NS ing program. cked. NS ing program. BP initial sampline: pump utilize PP ing program to be replacenal sampling	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Ocd. PP gram. NS NS In place of we ad by well 72R under interim	PP Monitoring pr NS gle, could not NS BP tober 2007, w PP NS II ESA1S-33 t for future int monitoring pr	mp malfunction PP ogram to results NS install bladde NS NS rell was found NS NS erim monitoring ogram schedde	PP Ime at replace NS IF pump. Use NS BP and sampled PP NS Ig events. Ided to resum.	PP ement well M NS d peristaultic NS BP in Decembe PP NS	NS W-4R in spring NS pump for sam NS NS NS NS NS NS NS NS	NS 12004. NS Die collection NS NS NS NS NS	PP PP Elevated BP PP adder pump NS BP
GMA1-25 GMA1-27 N2SC-07S NS-17	Fall 2007: Ele Fall 2003: No Spring 2003: Fall 2002: Tu STREET ARE NS Fall 2007: W Hobserved NS Fall 2007: W SP Fall 2007: Ur Partial blocka SP Fall 2007: W REET AREA 1 NS Fall 2008: W Spring 2004: W Spring 2004: Fall 2003: No	evated pH ob o sample colle well added to in the period of	served, instracted - additions additions and additions are place malfunction. NS Interm monitor additions and additions are place with a service and a serv	ment calibrational sampling and. Samples visual Samples visual Samples visual NS ing program. cked. NS ing program. BP initial sampline: pump utilize PP ing program to be replacenal sampling	NS ion checked. under interim ially clear. NS Well at an an NS BP g efforts in Ocd. PP gram. NS NS In place of we ad by well 72R under interim	PP Monitoring pr NS gle, could not NS BP tober 2007, w PP NS II ESA1S-33 t for future int monitoring pr	mp malfunction PP ogram to results NS install bladde NS NS rell was found NS NS erim monitoring ogram schedde	PP Ime at replace NS IF pump. Use NS BP and sampled PP NS Ig events. Ided to resum.	PP ement well M NS d peristaultic NS BP in Decembe PP NS	NS W-4R in spring NS pump for sam NS NS NS NS NS NS NS	NS 12004. NS Die collection NS NS NS NS NS	PP PP Elevated BP PP NS NS

Page 2 of 3 1/30/2008

Table A-1 Summary of Groundwater Sampling Methods Plant Site 1 Groundwater Management Area Groundwater Quality Monitoring Interim Report For Fall 2007 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	Spring 2006	Fall 2006	Spring 2007	Fall 2007
ESA1S-139/139R	PP	PP	BP/BA	PP	NS	NS	PP	PP	PP	NS	NS	PP
	Spring 2006: Fall 2004: W Spring 2004: Fall 2003: No Fall 2002: W Fall 2001: W	ell 139R adde No sample co sample colle ell dried durin	ed to interim mollected - well ected - addition g purging with	to be replace nal sampling n bladder pun	ed by well 139 under interim np. Several vis	R for future ir monitoring pr	ogram schedi	uled to resume		004.		
GMA1-6	PP Fall 2007: W	PP	PP PP	PP	NS	PP	NS	PP	PP	NS	NS	BP
014440					1				DD	NO	NO	
GMA1-18	NS	NS	NS	NS	NS	NS	BP	BP	BP	NS	NS	BP
	Fall 2007: Wa Fall 2004: W							g.				

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

	~								
				Samp	ing Personnel		11/1R		
Wall Has	kground (ppm)				Date	10/23	107-		
	rqahsca (bbw)				Weather	doudy'	/ rainy	605	
WELL INFORM	JATION .						/ Sample Yime	1455	
	e Point Marked?	(Y) N					Sample ID/	4	
	Reference Point	_	Meas, From	TIC.	•			GHAI- DI	
riegitari	Well Diameter		weas, rion		-			FAR US	
Scree	n Interval Depth		Maas Emm	FIC G.	أسداه		·Split Sample ID		700
	itor Table Depth		Meas. From		9 - 1		Spin Statistic its		
		13.39			-	Required	Analytical	Parameters:	Collect
Length o	f Water Column		-			()		(Std. list)	{
Volume	of Water in Well	1 1.03gs				(XS	' VOCs	(Exp. list)	(
Intake Depth	of Pump/Tubing	~/2/	Meas. From	サン	-	()	s\	/OCs	(
						()	PCB:	s (Total) .	(
Reference Poin	t Identification:					(X)	PCBs (Dissolved)	(
-	юг (PVC) Casin	-				()	Metals/Inor	rganics (Total)	(
•	uter (Protective)) Casing				(1)	_	nics (Dissolved)	(
Grade/BGS: G	round Surface					()		de (Dissolved)	(
Dodouelo - 3	v m					(*)	•	de (Dissolved)	(
Redevelop7	Y (N)					()		s/PCDFs	(
						()		s/Herbicides	(
						()		Attenuation (Specify)	(1
Volume of W	tes of Pumping later Removed d Well Go Dry?	4.75	illans			Marsch	briessible Pump (_lk - Syst. thod as evacuation	em One	scify ()
Volume of W Dic	/ater Removed d Well Go Dry?	γ (D)		Y31- 5.	Pump Type: Samples collec	Maysch ted by same me	hod as evacuation	em One	fy) *
Volume of W Dk	/ater Removed d Well Go Dry? Water Quality M	v (b) ^f teter Type(s) / S	enal Numbers:	,	Pump Type: Samples collect	Maysch ted by same me	Ak-syst. Thod as evacuation RIDDP 7	on One N (speci	fy)
Volume of W Dk	/ater Removed d Well Go Dry? / Water Quality M	Y (1) / State Type(s) / S Totat Gailons Rottovod	eriai Numbers: Water	Temp. (Colsius) [3%]"	Pump Type: Samples collect	Maysch ted by same me	Turbidity (NTU)	DO (mg/l)	fy) P CORP
Volume of W Dk	/ater Removed d Well Go Dry? Water Quality N Pump Rate	teter Type(s) / S Totat Gailons	erial Numbers: Water Lavel	Temp. (Celsius)	Pump Type: Samples collect	Maysch ted by same me Howk Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	fy) PL ORP
Volume of W Dk	/ater Removed d Well Go Dry? Water Quality M Pump Rate (L/min.)	Y (1) / State Type(s) / S Totat Gailons Rottovod	Water Lavel (ft TIC)	Temp. (Colsius) [3%]"	Pump Type: Samples collect A 123 pH [G.1 units]*	Maysch ted by same me Howk Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	fy) PL ORP
Volume of W Dk	/ater Removed d Well Go Dry? Water Quality N Pump Rate (L/min.)	Y (b) teter Type(s) / S Totat Gailons Removed O - 7 9	Water Level (ft TIC)	Temp. (Colsius) [3%]"	Pump Type: Samples collect A 123 pH [G.1 units]*	Maysch ted by same me Howk Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	(mV)
Volume of W Dk	Vater Removed d Well Go Dry? Water Quality N Pump Rate (L/min.) (GOO)	teter Type(s) / S Totat Gaillons Rottovod 0.79	Water Level (ft TIC) 7, 2	Yemp. (Cotsius) [3%]*	Pump Type: Samples collect 6 An [2] pH [6.1 units]	May s ch thed by same me Hash Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)	DO (mg/l)	(mV)
Volume of W Dk	Vater Removed d Well Go Dry? Water Quality N Pump Rate (L/min.) (600	teter Type(s)/S Totat Gailons Removed 0.79 0.90	Water Level (RTIC) 7.21 1.61 7.90	Yemp. (Cotsius) [3%]*	Pump Type: Samples collect 6 MPJ pH [6.1 units]* 6.91 5.90 5.89	May s ch ded by same me Auch Sp. Cond. (ms/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)	DO (mg/l) (10% or 0.1 mg/l) (9.06	ORP (mV)
Time 1525 1536 1545	Vater Removed d Well Go Dry? Water Quality M Pump Rate (Limin.) 600 150	For Type(s) / S Total Gailons Romovod 0.79 0.90 1.10	Water Level (ft TIC) 7. al 7. bl 7. 90 8.48	Tomp. (Cofsius) [3%]" /7:55	Pump Type: Samples collect 6 M P J pH (6.1 units)* 6.91 5.90	Maysch ted by same me Huch Sp. Cond. (mS/cm) [3%]* 1.406 1.416		DO (mg/l) (10% or 0.1 mg/l) (10% or 0.1 mg/l) (7.52	(mV) (10 mV) (10 mV) (11 mV) (11 mV)
Time 1525 1536 1545	Vater Removed d Well Go Dry? Water Quality M Pump Rate (L/min.) (600) 150 150	toter Type(s)/S Totat Gailons Rotroved O.79 O.90 J.10 J.50	Water Level (ft TIC) 7, 21 7, 61 7, 90 8,48 8,50	Tomp. (Cofsius) [3%]" /7.55 /7.76 /7.78 /7.78	Pump Type: Samples collect Samples collect AM [2] pH [6.1 units]*	Maysch ted by same me Huch Sp. Cond. (mS/cm) [3%]* 1.406 1.416 1.452 1.473		DO (mg/l) (10% or 0.1 mg/l) (10% or 7.52 7.10	ORP (mV) (10 m) (111.
Time 1525 1536 1545	Vater Removed d Well Go Dry? Water Quality M Pump Rate (Limin.) (600) (150) (150) (150)	teter Type(s)/S Total Gaillons Removed O.79 O.90 J.10 J.50 J.70	Weter Level (ft TIC) 7, 21 7, 61 7, 90 8,48 8,50 8,52	Younp. (Cofsica) 3% * 7.55 7.76 7.78	Pump Type: Samples collect 6 MPJ pH [6.1 units]* 6.91 5.90 5.89	Maysch ted by same me Auch Sp. Cond. (mS/cm) [3%]* 1.406 1,416 1.452		DO (mg/l) [10% or 0.1 mg/l] 9.06 7.52 7.10 6.63	ORF (mV) [10 m) [11].
Time 1825 1926 1936 1940 1955 1955	Vater Removed d Well Go Dry? Water Quality M Pump Rate (L/min.) (600 150 150 150	toter Type(s)/S Totat Gailons Romoved O.79 O.90 J.10 J.50 J.79 J.79	Water Level (RTC) 7. al 7. bl 7. 90 8.48 8.50 8.52	Tomp. (Cafsius) [3%]" /7.55 /7.76 /7.78 /7.78 /7.75	Pump Type: Samples collect 6 MPJ pH (0.1 units)* 6.91 5.90 5.89 5.91 5.89	Maysch ted by same me Huch Sp. Gord. (mS/cm) [3%]* 1.406 1.416 1.452 1.473 1.490		DO (mg/l) (10% or 0.1 mg/l) (1	ORP (mV) 110 m\
Time 1525 1525 1535 1545 1545 1550 The stabilization	Vater Removed d Well Go Dry? Water Quality M Pump Rate (L/min.) (600 /50 /50 /50 /50 /50 /50 /50	toter Type(s)/S Totat Gailons Removed 7 9 7 9 7 10 7 50 7 9 1 90 ch field paramet	Water Level (ft TIC) 7. A 7. A 7. G 7. 90 8.48 8.50 8.52 er (three consec	Younp. (Cafsius) [3%]" /7.55 /7.76 /7.78 /7.78 /7.75	Pump Type: Samples collect 6 MPJ pH (0.1 units)* 6.91 5.90 5.89 5.91 5.89	Maysch ted by same me Huch Sp. Gord. (mS/cm) [3%]* 1.406 1.416 1.452 1.473 1.490	Turbidity (NTU) (10% or 1 NTU) 4 54 57 62 47	DO (mg/l) (10% or 0.1 mg/l) (1	ORP (mV) 110 m\
Time 1525 1525 1535 1545 1545 1550 The stabilization	Vater Removed d Well Go Dry? Water Quality M Pump Rate (L/min.) (600 /50 /50 /50 /50 /50 /50 /50	toter Type(s)/S Totat Gailons Removed 7 9 7 9 7 10 7 50 7 9 1 90 ch field paramet	Water Level (ft TIC) 7. A 7. A 7. G 7. 90 8.48 8.50 8.52 er (three consec	Younp. (Cafsius) [3%]" /7.55 /7.76 /7.78 /7.78 /7.75	Pump Type: Samples collect 6 MPJ pH (0.1 units)* 6.91 5.90 5.89 5.91 5.89	Maysch ted by same me Huch Sp. Gord. (mS/cm) [3%]* 1.406 1.416 1.452 1.473	Turbidity (NTU) (10% or 1 NTU) 4 54 57 62 47	DO (mg/l) (10% or 0.1 mg/l) (1	ORF (mV) [10 m) [11].
Time 1525 1536 1536 1545 1550 The stabilization 15500 The stabilization 15500	Vater Removed d Well Go Dry? Water Quality M Pump Rate (Limin.) (600) 150 150 150 150 150 150 ISSAMPLING & W. Furn	toter Type(s)/S Totat Gailons Removed 7 9 7 9 7 10 7 50 7 9 1 90 ch field paramet	Water Level (ft TIC) 7. A 7. A 7. G 7. 90 8.48 8.50 8.52 er (three consec	Younp. (Cafsius) [3%]" /7.55 /7.76 /7.78 /7.78 /7.75	Pump Type: Samples collect 6 MPJ pH (0.1 units)* 6.91 5.90 5.89 5.91 5.89	Maysch ted by same me Huch Sp. Gord. (mS/cm) [3%]* 1.406 1.416 1.452 1.473	Turbidity (NTU) (10% or 1 NTU) 4 54 57 62 47	DO (mg/l) (10% or 0.1 mg/l) (1	ORP (mV) 110 m\
Time 1525 1526 1536 1545 1550 1550 The stabilization 1550 1550 The stabilization 1550 1550 The stabilization	Vater Removed d Well Go Dry? Water Quality M Pump Rate (L/min.) (600) 150 150 150 150 150 ISSAMPLING R W/ tw.	toter Type(s)/S Totat Gailons Removed 7 9 7 9 7 10 7 50 7 9 1 90 ch field paramet	Water Level (ft TIC) 7. A 7. A 7. G 7. 90 8.48 8.50 8.52 er (three consec	Younp. (Cafsius) [3%]" /7.55 /7.76 /7.78 /7.78 /7.75	Pump Type: Samples collect 6 MPJ pH (0.1 units)* 6.91 5.90 5.89 5.91 5.89	Maysch ted by same me Huch Sp. Gord. (mS/cm) [3%]* 1.406 1.416 1.452 1.473	Turbidity (NTU) (10% or 1 NTU) 4 54 57 62 47	DO (mg/l) (10% or 0.1 mg/l) (1	ORP (mV) (10 m) (111.
Time 1825 1926 1936 1940 1955 1955 1900 The stabilization	Vater Removed d Well Go Dry? Water Quality M Pump Rate (L/min.) (600) 150 150 150 150 150 150 ISSAMPLING B W/ two	toter Type(s)/S Totat Gailons Removed 7 9 7 9 7 10 7 50 7 9 1 90 ch field paramet	Water Level (ft TIC) 7. A 7. A 7. G 7. 90 8.48 8.50 8.52 er (three consec	Younp. (Cafsius) [3%]" /7.55 /7.76 /7.78 /7.78 /7.75	Pump Type: Samples collect 6 MPJ pH (0.1 units)* 6.91 5.90 5.89 5.91 5.89	Maysch ted by same me Huch Sp. Gord. (mS/cm) [3%]* 1.406 1.416 1.452 1.473	Turbidity (NTU) (10% or 1 NTU) 4 54 57 62 47	DO (mg/l) (10% or 0.1 mg/l) (1	ORP (mV) 10 mV

Well No.	Far	Site/GMA Name	GG Pitts Rield / GMA 1
		Sampling Personnel	PUC/MMR
		Date	10/23/07
		Weather	Cloudy/rainy 60s

WELL INFORMATION - See Page 1

Time	Pump Rate (Ľ/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	p# [0.1 units]*	Sp. Cond, (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1505	150	2.30		./7.75	5,93	1.524	49	6.90	125.6
1510	150	250	8.89	17.75	5.93	1.5 27	34	5.89	12519
1515	150	2-70	8.93	17.73	5,93	1.533	39	5.94	122.4
1520	150	2.90	8.96	17,70	3,93	1.540	25	6.01	129.0
1625	150	3.10	1.99	17.71	5.94	1.547	24	6:06]30.5
1630	150	3.30	9.09	17.70	5.95	1.551	23	6.04	129.4
1635	150	3.50	9.12	17,71	5.94	1.556	21	6.09	130 9
1640	150	3-70	9.00	17,72	第5.93	1.551	19	6.18	131.7
1645	150	3.90		17.70	5.93	1.569	19	6.00	132,9
1650	150		78.23	17.69		1.571	18	6.12	132.6
1655 -		> ;	Samp	Le D	@ 16	5-3-			
			_				···		

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			· · · · · · · · · · · · · · · · · · ·	-					
				····					
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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	. 1391	<u> </u>		· s	ite/GMA Name	G, MA	71 GC 5	27tsfield	
Key No				-	ling Personnel		MMR	11191101	
PID Bad	kground (ppm	)		• '	Date		23/07	***************************************	
Well He	adapaca (ppm	)		<del>-</del>	Woather	Clouse	W 60'5		
				<del></del>			7		
WELL INFOR	MATION						Sample Time	1320	<b>2</b>
Reference	e Point Marked	? Y N				•	Sample ID	1391	
Height of	Reference Poir		Meas, From		_		Duplicate (D		
	Well Diamete	ra''		_	_		MS/MSD		
Scree	en interval Depti	1 6-16	Meas. From	Ground			Split Sample ID		
W	ator Table Depti	t <u> 11.89</u>		714	_				
	Well Depti				_	Required	Analytical	Parameters:	Collected
Length o	of Water Column					( )	VOCs	(Std. list)	( )
emuloV	of Water in We	1 0-37g				( )	' VOCs	(Exp. list)	( )
Intake Depth	of Pump/Tubing	1 ~/2·	Meas, From	Tic	_	( )	Si	/OCs	( )
			/			( )	PCB	s (Total)	( )
Reference Pos	nt Identification:					$\langle \times \rangle$	PCBs (	Dissolved)	( X)
TIC: Top of Inc	ner (PVC) Casin	g				$\langle \cdot \rangle$	Meta/s/Ino	ganics (Total)	(~)
TOC: Top of C	Outer (Protective	) Casing				( )		nics (Dissolved)	( )
Grade/BGS: G	round Surface					( )		de (Dissolved)	( )
						( )	-	de (Dissolved)	( :
Redovelop?	Y (N)					( )	PCDD	s/PCDFs	( )
						( )	Pesticide	s/Herhicides	( )
						( )	Natural.	Attenuation	( )
						( )	Other	(Specify)	( )
EVACUATION	INFORMATION	1,,,,,,							
	ump Start Time								
Ρ	ump Stop Time	1330	~		Evacuation Me	thod: Bailer (	) Bladder F	ump ( ) :	
· Minu	ites of Pumping				Peristatic Pum	p(X) Su	bmensible Pump (		city ( )
Volume of V	Vater Removed	3.25gh	lons		Ритр Тура:	George		,	,
n/	J. Grand Co. A.								
ນ	d Well Go Dry?	Y (N')			Samples collec-			? (Y) N (specif	(v)
ນ	d Well Go Lify?	Y (N)		A.C.		ted by same me	oitsuosve zs borti		•
		Y (N') Neter Type(s) / S	Serial Numbers:	YS1-55	Samples collec	ted by same me	oitsuosve zs borti		•
	r Water Quality N	Noter Type(s) / S	,	751-55		ted by same me	oitsuosve zs borti	n? (Y) N (speci	•
***************************************	: Water Quality M	leter Type(s) / S	Water	Temp.		ted by same me	oitsuosve zs borti		•
	Water Quality M Pump Rate	leter Type(s) / S  Total  Gallons	Water Level	Tomp. (Calsius)	6MPs	ted by same me	Stoop Tust	ud inster	
***************************************	: Water Quality M	leter Type(s) / S	Water	Temp.	6MPs	Huch	thod as evacuation	no Do	ORP
***************************************	Water Quality M Pump Rate	leter Type(s) / S  Total  Gallons	Water Level	Tomp. (Calsius)	6 AA P s	Huch Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
Timo	Water Quality M Pump Rate	Total Gallons Removed	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Huch Sp. Cond. (mS/cm)	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	DO (mg/l)	ORP (mV) [10 mV]*
Timo	Water Quality M Pump Rate	leter Type(s) / S  Total  Gallone  Removed	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l)	ORP (mV)
Timo	Water Quality M Pump Rate	Total Gallons Removed	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	00 (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Timo	Water Quality M Pump Rate	Total Gallons Removed	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Huch Sp. Cond. (mS/cm)	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	DO (mg/l)	ORP (mV) [10 mV]*
Timo	Water Quality M Pump Rate	Total Gallons Removed O.20 O.33 O.46 O-59	Water Level (ft TIC)	Tomp. (Coleius) [3%)*  15.02	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	00 (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Timo	Water Quality M Pump Rate	Total Gallons Removed	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	00 (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Timo	Pump Rate (L/min.)	Total Gallone Removed O. 20 O. 33 O. 46 O. 59 O. 72	Water Level (ft TIC)	Tomp. (Coleius) [3%)*  15.02	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	00 (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Timo	Pump Rate (L/min.)	Total Gallone Removed 0.20 0.33 0.46 0-59 0-72 0.89	Water Level (ft TIC)	Tomp. (Coleius) [3%)*  15.02	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	00 (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Timo	Pump Rate (L/min.)	Total Gallone Removed O. 20 O. 33 O. 46 O. 59 O. 72	Water Level (ft TIC)	Tomp. (Coleius) [3%)*  15.02	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	00 (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV]*
Timo	Pump Rate (L/min.) /SO /OC /OC /OC 106 125	Total Gallone Removed 0.20 0.33 0.46 0.72 0.72 0.89 1.05	Water Level (ft TIC)	Tomp. (Coleius) [3%)*  15.02	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	00 (mg/l) (10% or 0.1 mg/l)  7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Timo  1/55 1200 1210 1215 1220 1225 1225	Pump Rate (Umin.)  /SO /OC /OC /OC /OC /OC /OC /OC /OC /OC /O	Total Gallons Removed 0.20 0.33 0.46 0-59 0-72 0.89 1-05	Water Level (ft TIC) 12.30 12.30 12.39 12.59 12.55 12.58 12.58	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)*  8.72 8.98 9.69 9.08 9.08 9.21	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*  45.9 53.4 54.6 64.0
Timo  1/55 1200 1215 1215 1220 1225 1235 The stabilization	Pump Rate (Umin.)  /SO /OC /OC /OC /OC /OC /OC /OC /OC /OC /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)*  8.72 8.98 9.69 9.08 9.08 9.21	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	thod as evacuation  2 (100) Thus  Turbidity  (NTU)  [10% or 1 NTUP	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Timo  1/55 1200 1215 1215 1220 1225 1235 The stabilization	Pump Rate (Umin.)  /SO /OC /OC /OC /OC /OC /OC /OC /OC /OC /O	Total Gallons Removed 0.20 0.33 0.46 0-59 0-72 0.89 1-05	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)*  8.72 8.98 9.69 9.08 9.08 9.21	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Timo  1/55 1200 1215 1215 1220 1225 1235 The stabilization	Pump Rate (Umin.)  /SO /OC /OC /OC /OC /OC /OC /OC /OC /OC /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)*  8.72 8.98 9.69 9.08 9.08 9.21	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Timo  1/55 1200 1215 1215 1220 1225 1235 The stabilization	Pump Rate (Umin.)  /SO /OC /OC /OC /OC /OC /OC /OC /OC /OC /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)*  8.72 8.98 9.69 9.08 9.08 9.21	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Timo  1/55 1200 1215 1215 1220 1225 1235 The stabilization	Pump Rate (Umin.)  /SO /OC /OC /OC /OC /OC /OC /OC /OC /OC /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)*  8.72 8.98 9.69 9.08 9.08 9.21	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Timo  1/55 1200 1215 1215 1220 1225 1235 The stabilization	Pump Rate (Umin.)  /SO /OC /OC /OC /OC /OC /OC /OC /OC /OC /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)* 8.72 8.98 9.69 9.08 9.08 9.21 0.50	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Time  1/55 1200 1215 1215 1220 1225 1236 1235 The stabilization OBSERVATION	Pump Rate (L/min.)  /SO /OC /OC /OC /OC /OC /OC /OC /OC /OC /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)* 8.72 8.98 9.69 9.08 9.08 9.21 0.50	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Timo  1/55  200  2/0  2/5  2/5  2/5  2/5  2/5  2/5  2/5  2/5	Pump Rate (L/min.)  / CO / O C) / O C	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)* 8.72 8.98 9.69 9.08 9.08 9.21 0.50	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Time  1/55  200  2/0  2/0  2/5  220  2-25  2-35  The stabilization  DBSERVATION  SAMPLE DESTI	Pump Rate (L/min.)  /SO /OO /OO /OO /OO /OO /OO /OO /OO /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Cadaius) [3%]*  15.02 [4.87 [4.86 [4.86] [4.86]	pH (0.1 units)* 8.72 8.98 9.69 9.08 9.08 9.21 0.50	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Time  1/55 1200 1210 1215 1220 1235 The stabilization DBSERVATION  SAMPLE DESTI	Pump Rate (L/min.)  /SO /OO /OO /OO /OO /OO /OO /OO /OO /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Galsius) [3%)*	pH  (0.1 units)*  8.72  8.98  9.08  9.08  9.08  0.2)  0.500  oilected at 3- to	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             
Time  1/55  200  2/0  2/0  2/5  220  2-25  2-35  The stabilization  DBSERVATION  SAMPLE DESTI	Pump Rate (L/min.)  /SO /OO /OO /OO /OO /OO /OO /OO /OO /O	Total Gallons Removed 0.20 0.33 0.46 0.59 0.72 0.89 1.05 1.72 ch field paramete	Water Level (ft Tic) 12.30 12.30 12.48 12.54 12.55 12.58 12.58 12.59 12.61	Tomp. (Galsius) [3%)*	pH (0.1 units)* 8.72 8.98 9.69 9.08 9.08 9.21 0.50	Sp. Cond. (mS/cm) [3%]*  0.765  0.767  0.773  0.773  0.773	Turbidity (NTU) (10% or 1 NTU)  (3)  (4)  (4)	10% or 0.1 mg/ll 7.35 6.67 6.37 6.09	ORP (mV) [10 mV]*             

Well No. 1398	Site/GMA Name	GMAI GE PHSSicIA
	Sampling Personnel	KIC/MMR
	Date	10/23/07
	Weather	Cloud's (00's

WELL'INFORMATION	- Saa	Page 1
NAMED THE CHANGE CHOICE	- 944	raye

Time	Pump Rate (Limin.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0,1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) 110% or 1 NTUI*	DO (mg/l) {10% or 0.1 mg/l}*	ORP (mV) [10 mV]*
1240	100	1.35	12.63	14.71	9.60	0.781	8	5.95	70.1
1245	100	1-48	12.50	14.88	9.56	0.781	7	5.66	74.0
1250	150	1.68	12.42	14.95	9.04	0.796	5	5.72	72.4
1255	125	1.84	12.45	14,99	9.04	0.798	4	5.6()	72.3
1300	100	1-97	12.63	15.04	8.94	0.800	~	5.6(	75-5
1305	125	2.14	12.66	15.03	8.90	0.803	2	5 <b>.6</b> 5	74-9
1310	150	2.34	12.68	14.92	8.85	0.806		5.62	72.7
1315	150	2-54	12.70	14.85	8.91	0.808		5.57	725
13 au -			> Sam	pled	at 13	ao <			
		Professor or as the reason and analysis							o beredi esse se o sindo i se delegal, qui qui delega a per plus a server.
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ļi						er to an ordered and an area and pathologically because		Windowski, Felho strand to you at the hole holy county agreement was a	
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						1F.			
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* The stabilization criteria for each field parameter (three consi	ecutive readings collected at 3- to 5-minute intervals) is listed in each column heading. ,
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	Issues with Keeping purping rate stable

	3-6C-	E8-14	····				45 find -8	MA-1	(
=	. 24			Santh	lennosre¶ pnik			·	
	ckground (ppm			_		12/4/07	<del></del>	<del></del>	
Well H	оживрасо (ррп	)			Weather	Duero	wst, 25°	F, Winds	20-30mp
WELL INFOR	RMATION						Sample Time	11:50	
	ce Point Marked					<b>}</b>	Sample ID	3-6C-EB	7-14
Height o	f Reference Poi	n <u>-0.50'</u>	Meas. From	Ground			Duplicate ID		
	Well Diamete		_				MS/MSD		
Sare	en Interval Dept	12'-Z1.5	/ Meas, From	ブル			Spit Sample ID		
W	ater Table Dept			TIL	_				
	Well Dept	h 21.621	_ Meas. From	TIL		Required	Analytica	Parameters:	Collected
	of Water Colum		٠.			(X)	VOCs	(Std. list)	(X)
Volume	of Water in We		Ilanz			( 3	' VOCs	(Exp. list)	( )
Intake Depth	1 of Pump/Tubin	<u>" عارما ا</u> و	_ Meas, From	TIL	-	( )	St	VOCs	( )
						( )	PCB	s (Total)	( )
Reference Po	int Identification:					( )	PCBs (	Dissolved)	( )
TIC: Top of In	iner (PVC) Casir	ıg				( )	Metals/inc	rganics (Total)	( )
TOC: Top of C	Outer (Protective	) Casing				( )	Metals/Inorga	nics (Dissolved)	( )
Grade/BGS: 0	Ground Surface					( )	EPA Cyani	de (Dissolved)	( )
						( )	PAC Cyani	de (Dissolved)	( )
Redevelop?	Y (Ñ)					( )	-	s/PCDFs	( )
						( )	Pesticide	s/Herbicides	1 1
						( )	Naturai.	Attenuation	, ,
						( )		(Specify)	( )
EVACUATION	EINFORMATION	4				, ,		(1,611.)/	, ,
f	omp Start Time	10:30							
F	Pump Stop Time	11:55			Evacuation Me	thod: Ba <del>ll</del> er (	\ Bladder B	tump (X)	
	utes of Pumping				Peristattic Pum	•	bmersible Pump (		saids ( )
Volume of \	Nater Removed	2.250	Illona				-111 - Systo		-Cily ( )
D	Water Removed ki Weil Go Dry?	Y W	<u>.</u>						E. 3
		, 💬			Samples collec	and by same me	nnod as evacuado	n? 🕥 N (speci	(Y)
	Water Quality &	Anter Time(s) / S	arial Nambane	11:1-53	7. M D :	47 1. 20	ma 0/	id in et.	
			coor rumbers.	/ 0 . 0 5	67-17-3	THEN CIL	JUP TUY	101metry	
	Funp	Total	Water	Temp.	Hq	Sp. Cond.	Turbidity	DG	ORP
Time	Rate	Gallons	Level	(Calsius)	ļ. 517 s.	(mS/cm)	(NTU)	į	1
	(L/min.)	Removed	(ft TIC)	[3%]	[0.1 units]*	[3%]*	(10% or 1 NTUP	(mg/l) [10% or 0.1 mg/l]*	(mV)
10:110		·	<del></del>	<u> </u>	10.7 41.631		*****		[10 mV]*
10:40	100m1	0.26	11.60	<u> </u>	-		9		
10:55		0.66	11.60	5.96	6.75	1-175	\$6	7.25	198.0
11.00	600 ml	0.79	11.60	7.03	6.75	1.173	5	3.41	188.3
11:05	100 ml	0.92	11-60	8.21	6.81	1.155	3	2.11	171.0
11:10	100ml	1.06	11-60	9.39	6.80	1.148	4	1.43	153.0
11:15	100 ml	1.19	11-60	10.05	6.80	1.148	3	1.10	137.1
11:20	100ml	1.32	11.60	9.96	6.85	1.149	Z	0.92	122.0
11:25	100 ml	1.45	11-60	8.85	6.81	1.151	Z	0.80	113.0
* The stabilization	on criteria for ea	ch field paramet	er (three consec	utive readings o	ollected at 3- to	5-minute interva	uls) is listed in each	column beading.	h
	NS/SAMPLING						,	•	
In the	1 Pine	W. Clan	r, odor	1-11				<del></del>	
<u></u>	7 7 7		- 10000	1530		·····			
<u> </u>	- Jacy	v : Cilcal	riodor	1033		***************************************			
						·			
								-	
SAMPLE DEST					3			•	
Laboratory:	565								
Delivered Via:									
	UPI								
Airbill #:		···			Field Sampling	Coordinator		Jen-	
					Field Sampling	Coordinator:	1	Harry Contraction of the Contrac	

CMACRICIGEGroundwaters/64100Attenthmenter-2

Well No.	3 -	66.	- JEB	-14
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Site Name GEP, Hsfield /GMA-1

Sampling Personnel GAR

Date 12/4/07

Weather Cloudy, 25°F, Winds 20-30 mph

WELL INFORMATION - See Page 1

Time	Pump Rate	Total Gallons	Water Level	Temp. (Celsius)	рН	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
}	(Úmin.)	Removed	(ft TIC)	[3%]*	[0.1 units]*	[3%]*		[10% or 0.1 mg/l]*	[10 mV]*
11.30	100Ml	1.59	11-60	8.01	4,86	1.147	Z	0.75	104.8
11:35	100 ml	1.72	11-60	7.85	6.82	1.145	1	0.70	99.8
11:40	100 m	1.85	11-60	7.71	6.83	1.142	Z	0.66	96.5
11:45	100ml	1.98	11-60	7.73	6.84	1.140	2.	0.64	93.3
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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	Eas	C- チラ -		s	fts/GMA Name	OEP H	shield/	(SMA)		
Key No.	· <u> </u>	3.7		Samp	ling Personnei	KIC/	MMR			•
PID Bac	kground (ppm)	) <u> </u>		 	Date			f gly S		•
Well 1 to	adapace (ppm)			<u>.</u> .	Weather	Cloudy	5 100 50	<u>.``</u>		
WELL INFOR	MATION						Sample Time	10/25/0	7- 150	25-
Reference	≃ Point Marked	? Y N					Sample ID	1	F. 256-	بايد سخر
Height of	Reference Poin		Meas, From	#1 FF white the best consequence	_		Ouplicate (D			
	Well Dlamete			, ,			MS/MSD		·····	
	en Interval Depti			Ground			Split Sample ID			
W	ater Table Depti			716						
Lanoth	Well Depti of Water Column		•	<i>T16</i>	•	Required		Parameters:	Collected	
_		1 I	-			( )		(Std. list)	( )	
		" ]		<b>ブ</b> ル		( )		(Εφ. list) VOCs	( )	
	,				_	( )		s (Yotal)	, ,	
Reference Poi	nt Identification:					(20)		Dissolved)	( 2 ) 10.	125/07
TIC: Top of In	nor (PVC) Casin	9				( ×		rganics (Total)	( )	/
	Outer (Protective	) Casing				( )		nics (Dissolved)	( )	
Grade/BGS: (	Ground Surface					( )	EPA Cyani	de (Dissolved)	( )	
No. 1						( )		ide (Dissolved)	( )	
Redevelop?	A (A)					( )		s/PCDFs	( )	
•						( )		s/Herbicides	( )	
						( )		Attenuation	( )	
EVACUATION	INFORMATION	1				( )	Uther	(Specify)	( )	
	ump Start Time									
	ump Stop Time				Evacuation Me	ethod: Bailer (	) Bladder S	dwn _c		
Min.	ites of Pumping	70			Peristattic Pun	-	bmersible Pump (		Specify ( )	
Volume of V	Vater Removed	2-0qu11	ひりょ		Pump Type:	Marci	-11 -545to			
n	id Well Go Dry?						2717			
Ų.	M ALER CODIA'S	(3) 🐠			Samples collec		uhod as evacuatio			
Ū.	• •	0 0	erial Numbers:	184 53		cted by same me	othod as evacuatio	n? ੴ N (sp	ecify)	
	Water Quality N	feter Type(s) / Se		<del>,</del>	& MPS	Hach	>/DOP 77.	n? & N (sp	ecify)	
Tkno	• •	0 0	Water	Tomp.		Hach Sp. Cond.	athod as evacuation 2/00 P 7%.  Turbidity	n? (f) N (sp.	orp	
	Water Quality N	feler Type(s) / Se		<del>,</del>	& MPS	Hach	Turbidity (NTU)	n? (§ N (sp.	ORP (mV)	
<b></b>	Water Quality N	feter Type(s) / Se Total Gailons	Water Level	Tomp. (Colsius)	6 MPS	Sp. Cond.	Turbidity (NTU)	n? (§ N (sp.	ORP (mV)	
	Pump Rate (L/min.)	feter Type(s) / Se Total Gailons	Water Level (ft TIC)	Tomp. (Cołsius) [3%]*	6 MPS	Sp. Cond.	Turbidity (NTU)	n? (§ N (sp.	ORP (mV)	
Timo 1450	Pump Rate (L/min.)	Total Gallons Rumovod	Water Level (ft TIC)	Tomp. (Cotsius) [3%]*	6 MPS	Sp. Cond. (mS/cm) [3%]	Turbidity (NTU) [10% or 1 NTU]	00 (mg/l) [10% or 0.1 mg/l]	ORP (mV)	
Time 1450 1500 1505	Pump Rate (L/min.)	Total Gailons Rumovod  O-24  0-39	Water Level (ft TIC)	Tomp. (Cotsius) [3%]* - 12.72	6 MPS	Howh Sp. Gond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	00 (mg/l) [10% or 0.1 mg/l]	ORP (mV)	
1450 1500 1505 1510	Pump Rate (Umin.) 50 100	Total Gallone Rumoved  0-24  0-39	Water Level (ft TIC)	Tomp. (Colsius) 13%)* 12.72 12.54	pH [0.1 units]*	Hach Sp. Cond. (mS/cm) [3%]*  O. GXS  O. GSS	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mg	ORP (mV) (IC mV)  -(.C.) -70.6	
Time 1450 1500 1505	Pump Rate (L/min.)	Total Gallons Rumoved  0-24 0-39 0.52 0-65	Water Level (ft TIC)	Tomp. (Cofsius) 13%)*  12.72. 12.54	6 MPS	Howh Sp. Gond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	00 (mg/l) [10% or 0.1 mg/l]	ORP (mV)	
1450 1500 1505 1510	Pump Rate (Umin.) 50 100 100 100 100	Total Gallons Rumoved  0-24  0-39  0-52  0-65	Water Level (ft TIC)	Tomp. (Cotaius) 13%1*  12.71  12.54 12.33 12.14 12.05	6 MPs  pH  [0.1 units]*	Hach Sp. Cond. (mS/cm) [3%]*  O. GXS  O. GSS	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mg	ORP (mV) (IC mV)  -(.C.) -70.6	
1450 1500 1505 1510	Pump Rate (Umin.) 50 100	Total Gailons Rumovod  0-24 0-39 0.52 0-65 0-78	Water Level (ft TIC)	Tomp. (Cofsius) 13%1*  12.71  12.54 12.53 12.14 12.05 11.98	pH [0.1 units]*	Hach Sp. Cond. (mS/cm) [3%]*  O. GXS  O. GSS	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mg	ORP (mV)  (m	
Time 1450 1500 1505 1510 1515 1530 1530	Pump Rate (Umin.)  50 100 100 100 100 100	Total Gailons Rumovod  0-24 0-39 0.52 0-65 0-78 0.91	Water Level (ft TIC)	Tomp. (Cofsius) 13%1*  12.71. 12.54 12.53 12.14 12.05 11.98 11.96	pH 10.1 unitsi*	.sp. Cond. (ms/cm) [3%]* ().G85 ().G85 ().G75 ().G75 ().G75	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	
Time  1450 1506 1505 1510 1515 1520 1525 1530 The stabilization	Pump Rate (Umin.) 50 100 100 100 100 100 100 100 100 100	Total Gailons Rumovod  0-24 0-39 0.52 0-65 0-78 0.91	Water Level (ft TIC)  WA  Trice  Tric	Tomp. (Cofsius) 13%1*  12.71. 12.54 12.53 12.14 12.05 11.98 11.96	pH 10.1 unitsi*	.sp. Cond. (ms/cm) [3%]* ().G85 ().G85 ().G75 ().G75 ().G75	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	
Time  1450 1506 1505 1510 1515 1520 1525 1530 The stabilization	Pump Rate (Umin.) 50 100 100 100 100 100 100 100 100 100	Total Gallons Rumoved  0.24  0.39  0.52  0.65  0.78  0.91  1.04  ch field parameter	Water Level (ft TIC)  WA  Trice  Tric	Tomp. (Cofsius) 13%1*  12.71. 12.54 12.53 12.14 12.05 11.98 11.96	pH 10.1 unitsi*	.sp. Cond. (ms/cm) [3%]* ().G85 ().G85 ().G75 ().G75 ().G75	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	
Time  1450 1506 1505 1510 1515 1520 1525 1530 The stabilization	Pump Rate (Umin.) 50 100 100 100 100 100 100 100 100 100	Total Gallons Rumoved  0.24  0.39  0.52  0.65  0.78  0.91  1.04  ch field parameter	Water Level (ft TIC)  WA  Trice  Tric	Tomp. (Cofsius) 13%1*  12.71. 12.54 12.53 12.14 12.05 11.98 11.96	pH 10.1 unitsi*	.sp. Cond. (ms/cm) [3%]* ().G85 ().G85 ().G75 ().G75 ().G75	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	
Time  1450 1506 1505 1510 1515 1520 1525 1530 The stabilization	Pump Rate (Umin.) 50 100 100 100 100 100 100 100 100 100	Total Gallons Rumoved  0.24  0.39  0.52  0.65  0.78  0.91  1.04  ch field parameter	Water Level (ft TIC)  WA  Trice  Tric	Tomp. (Cofsius) 13%1*  12.71. 12.54 12.53 12.14 12.05 11.98 11.96	pH 10.1 unitsi*	.sp. Cond. (ms/cm) [3%]* ().G85 ().G85 ().G75 ().G75 ().G75	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	
Time  1450 1506 1505 1510 1515 1520 1525 1530 The stabilization	Pump Rate (L/min.)  50 100 100 100 100 100 no criteria for ea	Total Gallons Rumoved  0.24  0.39  0.52  0.65  0.78  0.91  1.04  ch field parameter	Water Level (ft TIC)  WA  Trice  Tric	Tomp. (Cofsius) 13%1*  12.71. 12.54 12.53 12.14 12.05 11.98 11.96	pH 10.1 unitsi*	.sp. Cond. (ms/cm) [3%]* ().G85 ().G85 ().G75 ().G75 ().G75	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	
Time	Pump Rate (L/min.) 50 100 100 100 100 100 100 100 100 100	Total Gallons Rumoved  0.24  0.39  0.52  0.65  0.78  0.91  1.04  ch field parameter	Water Level (ft TIC)  WA  Trice  Tric	Tomp. (Cofsius) 13%1*  12.71. 12.54 12.53 12.14 12.05 11.98 11.96	pH 10.1 unitsi*	.sp. Cond. (ms/cm) [3%]* ().G85 ().G85 ().G75 ().G75 ().G75	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	
Time  1450 1500 1505 1510 1515 1530 1530 The stabilization	Pump Rate (L/min.)  50 100 100 100 100 100 100 100 100 100	Total Gallons Rumoved  0.24  0.39  0.52  0.65  0.78  0.91  1.04  ch field parameter	Water Level (ft TIC)  WA  Trice  Tric	Tomp. (Cofsius) 13%1*  12.71. 12.54 12.53 12.14 12.05 11.98 11.96	pH 10.1 unitsi*	.sp. Cond. (ms/cm) [3%]* ().G85 ().G85 ().G75 ().G75 ().G75	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	
Time  1450 1500 1505 1510 1515 1510 1525 1530 The stabilization OBSERVATION  SAMPLE DEST Laboratory: Defivered Via:	Pump Rate (L/min.)  50 100 100 100 100 100 100 100 100 100	Total Gallons Rumoved  0.24  0.39  0.52  0.65  0.78  0.91  1.04  ch field parameter	Water Level (ft TIC)  WA  Trice  Tric	Tomp. (Colsius) 13%)*  12.72 12.54 12.44 12.65 11.46  utive readings of	pH 10.1 unitsi*	Jack Sp. Gond. (ms/cm) [3%]*  O. GNS O. GNS O. G75 O. G75 O. G75 Sminute interva	Turbidity (NTU) [10% or 1 NTU]*	10% or 0.1 mgs  3.41  2.9.5  2.0.2  1.0.2  1.6.2	ORP (mV) (mV) (mV) (mV) (mV) (mV) (mV) (mV)	

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}*	() () ()
1535	100	1.17	NA	11.98	843	01071		1.56	5
1540	100	1.30		1198	8 48	0-671	<u> </u>	1.50	- 2
1545	100	1.43		11-83	2.47	0.670	40)	1,49	/
1550	150	1.56		~	_		887	Ţ	-
1600				~	-		658		
1455	200		19.30	12.64	905	0.688	4.0	1350	رب
			.,						
_cép	th 100	100010	-: 19.30	<u> </u>					
dep	th.to	bott	mu!	<u> 21.15</u>					
Sa,	mple:	Eimi.	150	<del></del>					
	•							····	
			·		'				
*****************************									
								·	
* The stabilizati	on criteria for ea	ch field paramet	er (three consec	utive readings of	collected at 3- to	5-minute interva	ls) is listed in each	column heading.	

Well No. E2SC-23

e25C- 24

Well No.		65A	Ect-	s	ite/GMA Name	- 46 B	Hsfield/	(SHIA)	
Key No.				Samp	ling Personnel		MMR.		
PID Bac	kground (ppm	,			Date		107		
Wall He	sadapaca (ppm	)			Weather	Raine	*11 50'S		
				<del></del>		1	3.7		
WELL INFOR	MATION						Sample Time	1155	
Referenc	ce Point Marked	2 Y N !			1		Sample ID	<u> </u>	24
Height of	Reference Poir		Meas. From		~		Ouplicate ID		
	Well Diamete	3"					MS/MSD		
Scree	en Interval Dept	h_ <u>17-17</u>	Meas. From	Gron-1			-Split Sample ID		
W	ator Table Dept	n 1603	Meas, From	716	-				
	Well Dept	1 31.60	Meas, From	TIL		Required	Analytical	Parameters:	Collected
_	of Water Colum		•••			( )	VOCs	(Std. list)	( )
Volume	of Water in We	1 0.90gs				<i>(</i> 5		(Exp. list)	( )
Intake Depth	of Pump/Tubing	9 <u> </u>	Meas. From	776	-	( )		/OCs	( )
						( )		s (Total)	( )
	nt Identification:					( 💢 )		Dissolved)	(*)
	ner (PVC) Casir	•				( )		rganics (Total)	( )
	Outer (Protective	) Casing				( )	=	nics (Dissolved)	( )
Grade/BGS: G	Sround Surface	•				( )	-	de (Dissolved)	( )
Danis and and	v GO					( )	-	de (Dissolved)	( )
Redavelop?	' (0)	-				( )		s/PCDFs	( )
						( )		s/Herbicides	( )
						( )		Attenuation	( )
CHACHATION	INFORMATION					( )	Other	(Specify)	( )
þ	Pump Start Time	1030	<del>-</del>		,				
P	ump Slop Time	1205	-		Evacuation Me	thod: Bailer (	🐞 Bladder F	nwb (M)	
	utes of Pumping		- <b>-</b>		Peristatic Pum	ıρ() Su	bmersible Pump (	) Other/Spe	cify ( )
Volume of V	Nater Removed	2.750	llons		Pump Type:	Murreh	IK - Systen	one	1
D	id Well Go Dry?	$\langle Y \rangle N'$							
					29 while collect	cted by same me	ithori as évacuatio	n? (Y) N (specif	ý)
	' :	_				H	.h	-	
	Water Quality I	_	Gerial Numbers;	ys1-55		H	.h	n? (?) N (specifi 	
<del>                                      </del>	<del></del>	Meter Type(s) / S		·	6 MPS	72125. 2012.	in IP Two bid	wetw.	
Time	Pump	Meter Type(s) / S	→ Water	Temp.		Z/05 Z/05 Sp. Cond.	Turbidity	meter	ORP
Timo	Pump I'll Rate	Weter Type(s) / S Total Gallons	PK Water Lovel	Temp.	PH PH	Sp. Gond.	Turbidity (NTU)	oo (mg/l)	ORP (mV)
	Pump I'il Rate (Elmin.)	Vioter Type(s) / S Total Gallons Removed	Water Lavel (ft TIC)	Temp. (Coisius) [3%]*	pH [0.1 units]*	Z/05 Z/05 Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) (10% or 0.1 ing/l)	ORP (mV) [10 mV]*
1630	Pump Itil Rate (Wmin.)	Total Gailons Removed  0.42	Pr Water Lovel (ft TIC)	Temp.	pH [0.1 units]*	Sp. Gond.	Tuchidity (NTU) [10% or 1 NTU]	oo (mg/l)	ORP (mV) [10 mV]*
1630 1035	Pump Int Rate (Wimin.)	Vioter Type(s) / S Total Gallons Removed	Water Lavel (ft TIC)	Temp. (Coisius) [3%]*	pH [0.1 units]*	Sp. Gond.	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) (10% or 0.1 ing/l)	ORP (mV) [10 mV]*
1630	Pump Itil Rate (Wmin.)	Total Gailons Removed  0.42	Pr Water Lovel (ft TIC)	Temp. (Coisius) [3%]*	pH [0.1 units]*	Sp. Gond.	Tuchidity (NTU) [10% or 1 NTU]	DO (mg/l) (10% or 0.1 ing/l)	ORP (mV) [10 mV]*
1630 1035	Pump Int Rate (Wimin.)	Total Gallons Romovod  0.42  0.54	AWator Lovel (ft TIC) NA NY	Temp. (Colsius) [3%]"	pH [0.1 units]*	Sp. Gond.	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54	DO (mg/l) (10% or 0.1 ing/l)	ORP (mV) [10 mV]*
1030 1035 1040	Pump mi Rate mi (#/min.) ///// //// //// //// //// //// ////	Total Gailons Romoved  0.42  0.54  0.67	NWater Lovel (ft TIG) NA NA	Temp. (Colsius) [3%]*	pH [0.1 units]*	2100 [,Sp. Gond, (mS/cm) [3%]*	Turbidity (NTU) (113 70 52	DO (mg/l) (10% or 0.1 ing/l)	ORP (mV) [10 mV]*
1630 1035 1040 104 <b>63</b>	Pump m(Rate m(Emin.) /60 90 160	Total Gallons Removed 0.42- 0.54 0.67	Water Lavel (ft TIG)  NA  NA  NA	Tomp. (Colsius) [3%]*	pH [0.1 units]*	2100 [,Sp. Gond, (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54	DO (mg/l) (10% or 0.1 ing/l)	ORP (mV) [10 mV]*
1030 1035 1040 104 <b>63</b> 1045	Pump mi Rate mi (Amin.) /60 90 160 /00	Total Gallons Removed 0.42- 0.54 0.67	Water Lovel (ft TIC)  WA  NA  NA	Tomp. (Colsius) [3%]*	pH [0.1 units]*	2100 [,Sp. Gond, (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54	DO (mg/l) (10% or 0.1 ing/l)	ORP (mV) [10 mV]*
1030 1035 1040 104 <b>63</b> 1045	Pump mi Rate mi (H/min.) /GC 9C 160 /00 /00	Total Gallons Removed  0.42- 0.54  0.67  0.80  0.93	Water Lavel (ft TIC)  NA  NA  NA  NA	Tomp. (Golsius) [3%]*	pH [0.1 units]*	#	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44	100 (mg/l) (10% or 0.1 ing/l)	ORP (mV) [10 mV]*
1030 1035 1040 104 <b>63</b> 1045 1050 1055	Pump mi Rate mi (k/min.) /&C 9C 160 /00 /00 /00 /00 /50 75	Total Gallons Removed 0.42- 0.54 0.67 0.80 0.93 1.06	AWator Lovel (ft TIC)  NA  NA  NA  NA  NA  NA	Tomp. (Codeius) [3%]*	pH (0.1 units)*	3100 [.sp. Cond. (ms/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38	10% or 0.1 ing/fr	ORP (mV) [10 mV]*
1030 1035 1040 104 <b>63</b> 1045 1050 1055 1100	Pump mi Rate pumin.) ///// //// //// //// //// //// ////	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Codeius) [3%]*	pH (0.1 units)*	3100 [.sp. Cond. (ms/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]  113  70  52  54  44  40	10% or 0.1 ing/fr	ORP (mV) [10 mV]*
1030 1035 1040 104 <b>5</b> 1045 1050 1055 1100	Pump mi Rate pi (Minin.)  /////  ////  ////  ////  ////  ////  ////	Total Gallons Removed 0.42- 0.54 0.67 0.80 0.93 1.06	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Gond. (mS/cm)   3%f*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38  as) is listed in each	10% or 0.1 ing/fr	ORP (mV) [10 mV]*
1030 1035 1040 104 <b>63</b> 1045 1050 1055 1100	Pump mi Rate pi (Minin.)  /////  ////  ////  ////  ////  ////  ////	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Codeius) [3%]*	pH [0.1 units]*	Sp. Gond. (mS/cm)   3%f*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38	Da (mg/l) (10% or 0.1 mg/l) — — — — — — — — — — — — — — — — — — —	ORP (mV) [10 mV]*
1030 1035 1040 104 <b>5</b> 1045 1050 1055 1100	Pump mi Rate pi (Minin.)  /////  ////  ////  ////  ////  ////  ////	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Gond. (mS/cm)   3%f*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38  as) is listed in each	Da (mg/l) (10% or 0.1 mg/l) — — — — — — — — — — — — — — — — — — —	ORP (mV) [10 mV]*
1030 1035 1040 1045 1045 1050 1055 1100	Pump mi Rate pi (Minin.)  /////  ////  ////  ////  ////  ////  ////	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Gond. (mS/cm)   3%f*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38  as) is listed in each	Da (mg/l) (10% or 0.1 mg/l) — — — — — — — — — — — — — — — — — — —	ORP (mV) [10 mV]*
1030 1035 1046 10463 1045 1050 1055 1100 The stabilization	Pump Int Rate Int Rat	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Gond. (mS/cm)   3%f*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38  as) is listed in each	Da (mg/l) (10% or 0.1 mg/l) — — — — — — — — — — — — — — — — — — —	ORP (mV) [10 mV]*
1030 1035 1040 1045 1045 1050 1055 1100 The stabilization BERVATION WOLLCO	Pump Int Rate Int Rat	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Gond. (mS/cm)   3%f*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38  as) is listed in each	Da (mg/l) (10% or 0.1 mg/l) — — — — — — — — — — — — — — — — — — —	ORP (mV) [10 mV]*
1030 1035 1040 1045 1045 1050 1055 1100 The stabilization BERVATION X In The	Pump Int Rate Int Rat	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Gond. (mS/cm)   3%f*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38  as) is listed in each	Da (mg/l) (10% or 0.1 mg/l) — — — — — — — — — — — — — — — — — — —	ORP (mV) [10 mV]*
1030 1035 1046 10463 1045 1050 1055 1100 The stabilization BSERVATION X In The	Pump Int Rate Int Rat	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Colsius) [3%]*	6.30 8.71 collected at 3- to	Sp. Gond. (mS/cm)   3%j*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38  as) is listed in each	Da (mg/l) (10% or 0.1 mg/l) — — — — — — — — — — — — — — — — — — —	ORP (mV) [10 mV]*
1030 1035 1046 10463 1045 1050 1055 1100 The stabilization BSERVATION X In The	Pump Int Rate Int Rat	Total Gallons Removed  0.42- 0.54  0.67  0.80  1.06  1.06  1.16  cch field paramet	Water Lovel (ft TIC)  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Tomp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Gond. (mS/cm)   3%j*	Turbidity (NTU) [10% or 1 NTU]*  113  70  52  54  44  40  38  as) is listed in each	Da (mg/l) (10% or 0.1 mg/l) — — — — — — — — — — — — — — — — — — —	ORP (mV) [10 mV]*

Well No. <u> </u>	Site/GMA Name	Col Pitasheld/GMAI
	Sampling Personnel	KIC/ MMR
	Date	10/2-1/0 7-
	Weather	Rainy 50'S
		0

WELL	INFORMATION	200	Dana 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)*
	1105	75	1. 26	NA	12.08	9.20	1,098	31	1.28	-85.4
	1110	75	1-36	NA	13.08	9,44	1103	36	1.14	-92.0
	1115	100	1.49	NA	12,14	919	1.110	<b>ス</b> ス、	0.98	94,-7
	1120	100	1-62	NA	12.10	8.60	1,118	18	0,90	- 94.1
×	1125	50	1.69	NA	12.07	8.હા	1,123	15	<i>ዕ. ሄട</i> ገ	-94,0
	1130	50	1.76	NA	13,04	8.39	1.137	1 4	0.81	-93.3
	1135	ጉር	1.85	NA	12.10	8,22	1.132	10	0.77	-93.1
	<u>1140</u>	90	1.97	NA	12.13	8.31	1.133	11	0.74	8.1P-
	1145	90	2.09	NA	12110	8, 24	1,129	12	0,71	-94.1
	1150	90	2.21	NA	13,00	18.3	1,128	ia.	O'GG	-96.5
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• Th	e stabilization crite	eria for each fiel	d parameter	(three consec	utive readings	collected at 3-	o 5-minute	intervals) is	listed in each	column heading.	*************************
089	SERVATIONS/SA	MPLING METH	TAIVED DO	IONS							
<u> </u>	loweur	Romp	1,	13 alex	Livil	lower	The	DUM:	0 10	-laki	
		•							3-		

Well No.	T>4 25	-64		SA	te/GMA Name	- CE-03	上心「人人	GA \	
Key No.				-	ing Personnel	- KIC 11		<u> </u>	······································
•				•	Date	10/25/	, <del>.</del> ,		
	adapaco (ppm)			•	Weather	5,000	· · · · · · · · · · · · · · · · · · ·	(315	
110/11/0	and (Maril	***************************************		•	, roadio		9	<del>,</del>	
WELL INFORA	MATION					,	Sample Time	15.35	
	e Point Marked?	Y N					Sample ID	ES425.	64
	Reference Point		More Emm				Ouplicate ID		<u>S</u>
(Idgill di	Well Diameter	** **	rateast closs		-		MS/MSD		
Sema	n Interval Depth	·	Mase From	Ground			-Split Sample ID		
	iter Table Depth			715			apir varipo ta		
****	Well Depth		Meas, From		-	Required	Analytical	Parameters:	Collected
Lanoth o	f Water Column	400			•	( )		(Std., fist)	(~)
-	of Water in Well		رس <u>ن</u> رسن			(3		(Exp. list)	( )
	of Pump/Tubing		Meas, From _	7-/6		( )		/OCs	( )
			•		•	( )		(Yotal)	( )
Reference Poir	it Identification:					( )		Dissolved)	( )
	er (PVC) Casing	1				( )		ganics (Total)	( )
·	uter (Protective)					( )		nics (Dissolved)	( )
Grade/BGS: G						( )	EPA Cyania	de (Dissolved)	( )
						( )		de (Dissolved)	( )
Redevelop?	Y (N)					( )	_	s/PCDFs	( )
	$\sim$					( )	Pesticide:	s/Herbicides	( )
						( )	Natural	Attenuation	( )
						( )	Other	(Specify)	( )
	ump Stop Time tes of Pumping	1973	•		Evacuation Me Peristatic Pum	•	emersible Pump ( ) mersible Pump	ump ( / / Other/Spe	cify ( )
Oi	d Well Ga Dry?	Y (N) eter Type(s) / S		Y51-55	Samples collec	ted by same me		m One n? (Ý). N (specif všiličnets)	
10	d Well Go Dry?  ':  Water Quality M	Y (N) eter Type(s) / S	erial Numbers:	Tomp.	Samples collec	Heath Sp. Cond.	thod as evacuation ≥ / p v /> / Tu  Turbidity	N (specifically)	ORF
Oi	d Well Go Dry?  *:  Water Quality M  Pump  Rate	Y (N) eter Type(s) / S  Total Gallons	erial Numbers: Water Lovel	Temp. (Celsius)	Samples collect	Sp. Cond.	thod as evacuation  > / DV /> 7 Tu  Turbidity  (NTU)	DO (mg/l)	ORP (mV)
Timo	Well Go Dry?  ':  Water Quality M  Pump  Rate  (Umin.)	Y (N) eter Type(s) / S  Total  Gallons  Removed	erial Numbers:	Tomp. (Celsius) [3%]*	Samples collec	Heath Sp. Cond.	thod as evacuation ≥ / p v /> / Tu  Turbidity	N (specifically)	ORF
Time 1415	Water Quality M Pump Rate (L/min.)	Y (N) eter Type(s) / S  Total Gallons	erial Numbers: Water Lovel	Temp. (Celsius)	Samples collect	Sp. Cond.	thod as evacuation  > / DV /> 7 Tu  Turbidity  (NTU)	DO (mg/l)	ORP (mV)
Timo	Water Quality M Pump Rate (L/min.)	Y (N) eter Type(s) / S  Total  Gallons  Removed	erial Numbers:  Water  Lovel  (ft TIC)	Tomp. (Celsius) [3%]*	Samples collect	Sp. Cond.	thod as evacuation  > / DV /> 7 Tu  Turbidity  (NTU)	DO (mg/l)	ORP (mV)
Time 1415	Water Quality M Pump Rate (L/min.)	Y (N) oter Type(s) / S  Total Gallons Removed	erial Numbers:  Water Lovel (ft TIC)  -  1 5 . 5 2	Tomp. (Celsius) [3%]*	Samples collect  AMPS  pH  {0.1 units}*	Sp. Cond. (mS/cm) [3%]*	thod as evacuation  > / DV /> 7 Tu  Turbidity  (NTU)	DO (mg/l)	ORP (mV)
Time 1415	Water Quality M Pump Rate (L/min.)	Y (N) oter Type(s) / S  Total Gallons Removed  (D-10) (D-23)	erial Numbers:  Water Lovel (ft TIC)	Tomp. (Celsius) [3%]*	Samples collect	Heuh Sp. Cond. (mS/cm) (3%)*	thod as evacuation  > / DV /> 7 Tu  Turbidity  (NTU)	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV)*
Time 1415	Water Quality M Pump Rate (L/min.)	Y (N) oter Typo(s) / Si  Total Gallons Romoved  (2-10) (2-23) (3-49)	erial Numbers:  Water Lovel (ft TIC)  -  1 5 . 5 2	Tomp. (Coloius) (3%)*	Samples collect  AMPS  pH  {0.1 units}*	Sp. Cond. (mS/cm) (3%)*	thod as evacuation  2/00 P 7%  Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
Time 1415 1430 1435	Water Quality M Pump Rate (L/min.)	Y (N) eter Type(s) / S  Total Gallons Removed  0 - 10  0 - 23  0 - 49  0 - 62	Water Lovel (ff TIC)	Tomp. (Celeius) (3%)* [5.79]	pH [0.1 units]*	Heuh Sp. Cond. (mS/cm) (3%)*	thod as evacuation  2/00 P 7%  Turbidity (NTU) [10% or 1 NTUP	11.54	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time 1415 1430 1435	Water Quality M Pump Rate (L/min.)	Y (N) oter Type(s) / S  Total Gallons Removed  0-10  0-23  0-49  0-62	erial Numbers:  Water Lovel (fft TIC)	Tomp. (Coloius) [3%]  [5.79] !5.61	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*  1 7 25 1 7 2 (7	thod as evacuation  2/00 P 7%  Turbidity (NTU) [10% or 1 NTUP	11.54	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time 1415 1430 1435	Water Quality M Pump Rate (L/min.)	Y (N) etter Type(s) / S  Total Gallons Removed  0 - 10  0 - 23  0 - 49  0 - 62  0 - 75  0 - 88	Water Lovel (ft TIC)  -  13.32  13.32	Tomp. (Coloius) (3%)* 15.79 !5.61 (5.74)	Samples collect  MPS  pH  [0.1 units]*  7.4  7.4  7.4  7.4  7.4  7.4  7.4  7.	Sp. Cond. (mS/cm) [3%]*  1 7 25 1 7 2 (7	thod as evacuation  2/00 P 7%  Turbidity (NTU) [10% or 1 NTUP	11.54	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time 1415 1430 1435	Well Go Dry?  Water Quality M  Pump Rate (L/min)  75  100  100  100  100  100  100  100	Y (N) oter Typo(s)/S  Total Gallons Romoved  0-10  0-23  0-49  0-62  0-75  0-88  1-01  1-14	Water Lovel (ff TIC)	Tomp. (Coloius) (3%)  15.79 !5.61 !5.77 !5.38 !5.13	Samples collect  MPS  pH  [0.1 units]*  7.6 3  7.6 0  7.6 2  7.6 0	# Luh  Sp. Cond. (ms/cm) (3%)*  1 725  1 725  1 745  1 746  1 746	thod as evacuation  2/00 P 7%  Turbidity (NTU) [10% or 1 NTUP	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time  H15  H30  1435  1440  1445  1445  (455	Water Quality M  Pump Rate (L/min)  75  100  100  100  100  100  100  100	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*  15.79  15.61 (5.79) (5.3%) (5.13) (5.13)	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 bolicoted at 3- to	Sp. Cond. (mS/cm) [3%]*  1 125 1 125 1 125 1 125 1 125 1 125 1 125 5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time  1415  1430  1435  1446  1445  1450  (455  The stabilization	Well Go Dry?  Water Quality M  Pump Rate (L/min)  75  100  100  100  100  100  100  100	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)  15.79 !5.61 !5.77 !5.38 !5.13	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 bolicoted at 3- to	# Luh  Sp. Cond. (ms/cm) (3%)*  1 725  1 725  1 745  1 746  1 746	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time  H15  H30  1435  1440  1445  1445  (455	Water Quality M  Pump Rate (L/min)  75  100  100  100  100  100  100  100	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*  15.79  15.61 (5.79) (5.3%) (5.13) (5.13)	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 bolicoted at 3- to	Sp. Cond. (mS/cm) [3%]*  1 125 1 125 1 125 1 125 1 125 1 125 1 125 5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time  1415  1430  1435  1446  1445  1450  (455  The stabilization	Water Quality M  Pump Rate (L/min)  75  100  100  100  100  100  100  100	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*  15.79  15.61 (5.79) (5.3%) (5.13) (5.13)	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 bolicoted at 3- to	Sp. Cond. (mS/cm) [3%]*  1 125 1 125 1 125 1 125 1 125 1 125 1 125 5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time  1415  1430  1435  1446  1445  1450  (455  The stabilization	Water Quality M  Pump Rate (L/min)  75  100  100  100  100  100  100  100	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*  15.79  15.61 (5.79) (5.3%) (5.13) (5.13)	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 bolicoted at 3- to	Sp. Cond. (mS/cm) [3%]*  1 125 1 125 1 125 1 125 1 125 1 125 1 125 5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time 1415 1430 1435 1446 1445 1450 (455 The stabilization	Water Quality M Pump Rate (L/min.) 7.5 100 100 100 100 100 100 100 100 100 10	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*  15.79  15.61 (5.79) (5.3%) (5.13) (5.13)	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 bolicoted at 3- to	Sp. Cond. (mS/cm) [3%]*  1 125 1 125 1 125 1 125 1 125 1 125 1 125 5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time 115 1430 1435 1440 1450 (455 The stabilization	Water Quality M  Pump Rate (L/min.)  75  100  100  100  100  100  100  100	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*  15.79  15.61 (5.79) (5.3%) (5.13) (5.13)	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 objected at 3- to	Sp. Cond. (mS/cm) [3%]*  1 125 1 125 1 125 1 125 1 125 1 125 1 125 5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time  HIS  HISO  The stabifization  The stabifization  SAMPLE DEST  Laboratory:	Water Quality M  Pump Rate (L/min.)  75  100  100  100  100  100  100  100	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*  15.79  15.61 (5.79) (5.3%) (5.13) (5.13)	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 objected at 3- to	Sp. Cond. (mS/cm) [3%]*  1 125 1 125 1 125 1 125 1 125 1 125 1 125 5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time  HIS  HIS  HIS  HIS  HIS  HIS  HIS  HI	Water Quality M  Pump Rate (L/min.)  7.5  100  100  100  100  100  100  100  1	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*   15.79  !S.61 (S.74) (S.3%) (S.3%) utive readings of the ork. A	pH [0.1 units]*  7. (-3) 7. (-2) 7. (-2) 7. (-2) 7. (-2) 7. (-2) 7. (-2) 7. (-2) 7. (-2) 7. (-2)	Sp. Cond. (mS/cm) [3%]*  1 7 2 C  1 7 17  1 7 17  1 7 17  5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}
Time  HIS  HISO  The stabifization  The stabifization  SAMPLE DEST  Laboratory:	Water Quality M  Pump Rate (L/min.)  7.5  100  100  100  100  100  100  100  1	Y (N) oter Type(s) / Si  Total Gallons Removed (0-10) (0-23) (0-49) (0-62) (0-75) (0-88) /-0/ /-19	Water Lovel (ft TIC)	Tomp. (Coloius) (3%)*   15.79  !S.61 (S.74) (S.3%) (S.3%) utive readings of the ork. A	PH (0.1 units)*  7.6.7  7.6.7  7.6.2  7.6.2  0.0 objected at 3- to	Sp. Cond. (mS/cm) [3%]*  1 7 2 C  1 7 17  1 7 17  1 7 17  5-minute interva	thod as evacuation  2/00 P Turbidity (NTU) [10% or 1 NTU]  1	11.54 \$.67 \$.39 \$.39 7.59	ORP (mV) [10 mV]* -/C\frac{1}{2}

Well No. ESA35-6-1	,	Site/GMA Name	GEPHSSICIA / BMAI
•		Sampling Personnel	
		Date	10/15/27
		Weather	janna lourcois

WELL INFORMATION - See Page 1

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]*
1500	100	<b>ルマチ</b>	(3.33	15.63	7.56	1.578	5	3.41	-40.4
1505	100	1.40	13.35	15-18	7-58	1-404	4	3 4/	-94-9
1510	100	1-53	13.33	141.82	7.66	1:401	7	2-77	45.7
1515	100	1.66	13,33	4.82	7.65	1-3-1	5	1.81.	-44. 4
1520	100	1-79	[3.33	13.78	7.87	1.591	4	1.50	-45,()
1525	100	<i>ነ</i> - የ2	3.33	13.00 12.96	201	1,376	6	1.501 -	-47.1
153C	100	2.05	13.39	12.96	8.02	1.372	7	1.68	-99.7
1535	100	2.18	13.33	13-48	806	1.573	<u> </u>	\$1.65	.96.5-
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* The stabilization criteria for each field parameter (three cons	ecutive readings collected at 3- to 5-minute inte	ervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	- sumplied on 15240	Find well depth to water (123)

Wall WELL INFO Refere Height Sc Lengt Volum	3ackground (pp Hoadapaco (pp				Personne Date Weathe	101	18/07 100+ hi		
WELL INFO Refere Height Sc Lengt Volun	DRMATION ence Point Marke t of Reference Po Well Diame	m) Ø						·	
Refere Height Sc Lengt Volun	ence Point Marke t of Reference Po Well Diame	27.						ah 50's	60100
Refere Height Sc Lengt Volun	ence Point Marke t of Reference Po Well Diame	241					······································		Liter (
Height Sc Lengt Volun	t of Reference Po Well Diame						Sample Time	- ESI-C	<u> </u>
Sc Lengt Volun	Well Diame	1 12			·		Sample IC	1105	<u> </u>
Lengt Volun	•		_ Meas, Fron	n			Ouplicate (C		<u> </u>
Lengt Volun			 Mass Ema	Ground			MS/MSD		·
Lengt Volum	Water Table De		_ Meas. From		********		-Split Sample ID)	
Volun	Weil De	pth 114,15	Meas. From	***************************************		Required	Analytica	d Parameters:	Collecte
Volur Intake Dec	th of Water Colu	mn 2.57'	.			()		s (Std. fist)	()
Intake Dec	ne of Water in W	Vel 0.4 Zgall	-			()	,	(Exp. list)	()
-•	of Pump/Tubi	$ing\sim4/3.5$	_ Meas. From	716		{ }	s	VOCs	()
Qeforence C	oint Identification				÷	()	PCB	is (Total)	()
	Inner (PVC) Cas					(λ)		(Dissolved)	$\langle \chi \rangle$
	of Outer (Protecti	-				()		rganics (Total)	()
	Ground Surface	. •				()		anics (Dissolved)	()
	_					()		ide (Dissolved)	()
Redevelop?	>					, ,		ide (Dissolved) Os/PCDFs	()
						()		s/Herbicides	
						, }		Attenuation	· · ·
						<i>'</i> }	Other	(Specify)	()
. Mi. Volume of	Dkd Well Go Dry	ne <u>1000</u> no 1130 ng <u>90</u> su 3.0 1.11		YS1-58		Marsch. ded by same me	bmersible Pump (1K - System Whod as evacuatio	n One	ecify ()
Mi. Volume of	Pump Start Tim Pump Stop Tim inutes of Pumpin f Water Remove Did Well Go Dry Water Quality Pump	ne 000 no //30 no //30 g 90 dd 3.03.11 e Y N Meter Type(s)/Se	orial Numbers: Water	Tomp.	Peristaltic Pum Pump Type: Samples collec	Marschetted by same me	bmersible Pump (1K - System Whod as evacuatio	n? (C) N (spec	ecify ()
M i. Volume of	Pump Start Tim Pump Stop Tim inutes of Pumpin of Water Remove Did Well Go Dry Water Quality Pump Rate	Meter Type(s)/Se	erial Numbers: Water Level	Tomp.	Peristatic Pum Pump Type: Samples collect MPJ pH	Marsch. Marsch. Auch Sp. Gord. (ms/cm)	bmersible Pump (JK - Stuten Minod as evacuation 2/00 P - Trumbidity (NTU)	Other/Sp Onc n? N (spec L b, J, m L) DO (mg/l)	ecify () ify) ORP (mV)
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Mi. Volume of	Pump Start Tim Pump Stop Tim inutes of Pumpin (Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.)	Meter Type(s)/Set Total Gallons Romoved 0 - 7 1	erial Numbers: Water Level	Tomp.	Peristatic Pum Pump Type: Samples collect MPJ pH	Marsch. Marsch. Auch Sp. Gord. (ms/cm)	bmersible Pump (IK - System Whod as evacuation CODP T Turbidity (NTU) [10% or 1 NTU]	Other/Sp Onc n? N (spec L b, J, m L) DO (mg/l)	ecify () ify) ORP (mV)
Mi. Volume of	Pump Start Tim Pump Stop Tim inutes of Pumpin if Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.) 300	Meter Type(s)/Set Total Gallons Removed 0-71 /-25	erial Numbers: Water Level	Tomp.	Peristatic Pum Pump Type: Samples collect MPJ pH	Marsch. Marsch. Auch Sp. Gord. (ms/cm)	bmersible Pump (IK - System Whod as evacuation 2/pp P 7 Turbidity (NTU) 10% or 1 NTUP	の Other/Sp の Onc n?	ecify () ify) ORP (mV) [10 mV]
Mi. Volume of	Pump Start Tim Pump Stop Tim inutes of Pumpin (Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.) 350 350	Total Gallons Removed 0-71 1-25 1-36	erial Numbers: Water Level	Tomp.	Peristatic Pum Pump Type: Samples collect MPJ pH	Marsch. Marsch. Auch Sp. Gord. (ms/cm)	bmersible Pump (IK - System Whod as evacuation CODP T Turbidity (NTU) [10% or 1 NTU]	の Other/Sp の Onc n?	ecify () ify) Corp (mV) [10 mV]
Timo 1015 1017 1020	Pump Start Tim Pump Stop Tim inutes of Pumpin if Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.) 300	Meter Type(s)/Set Total Gallons Removed 0-71 /-25	erial Numbers: Water Level	Tomp.	Peristatic Pum Pump Type: Samples collect MPJ pH	Marsch. Marsch. Auch Sp. Gord. (ms/cm)	bmersible Pump (IK - System Whod as evacuation 2/pp P 7 Turbidity (NTU) 10% or 1 NTUP	の Other/Sp の Onc n?	ecify () ify) ORP (mV) [10 mV]
Mi. Volume of	Pump Start Tim Pump Stop Tim inutes of Pumpin (Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.) 350 350	Total Gallons Removed 0-71 1-25 1-36	erial Numbers: Water Level	Tomp.	Peristatic Pum Pump Type: Samples collect 6 MPJ pH [0.1 units]*	Marsch, Marsch, Caded by same me Asch Sp. Gond, (mS/cm) [3%]	bmersible Pump (IK - System Whod as evacuation 2/pp P 7 Turbidity (NTU) 10% or 1 NTUP	DO (mg/l) [10% or 0.1 mg/l]	ecify () ify) ORP (mV) [10 mV]
Mi. Volume of 1010 1015 1017 1020	Pump Start Tim Pump Stop Tim inutes of Pumpin If Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.) 350 300 100	Meter Type(s)/Set Total Gallons Removed 0-71 1-25 1-36 1-44	erial Numbers: Water Level	Tomp. (Cataius) [3%]*	Peristatic Pum Pump Type: Samples collect MPJ pH [0.1 units]*	Marsch, Steed by same med Hach Sp. Gord. (ins/cm) [3%]	bmersible Pump (IK - Stute without as evacuation 2/00 P 7 Turbidity (NTU) (10% or 1 NTU) - 4 - 3 8	Other/sp Onc n? On (spec fur 6: 1/1 m 17 DO (mg/l) [10% or 0.1 mg/l]	ecify () fty) ORP (mV) [10 mV]
Timo 1015 1017 1020	Pump Start Tim Pump Stop Tim inutes of Pumpin of Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.) 350 300 100 100	Meter Type(s)/Set Total Gallons Removed 0-71 1-75 1-70 1-83	erial Numbers: Water Level	Tomp. (Cotsius) (3%)*	Peristatic Pum Pump Type: Samples collect 6 MPJ pH [0.1 units]*	Marsch. Hach Sp. Gord. (mS/cm) [3%] // 506 1.532	bmersible Pump (IK - Stute without as evacuation 2/00 P 7 Turbidity (NTU) (10% or 1 NTU) - 4 - 3 8	DO (mg/l) [10% or 0.1 mg/l]	ecify () ify) ORP (mV) [10 mV]
Timo 1015 1017 1020	Pump Start Tim Pump Stop Tim inutes of Pumpin if Water Remove Did Well Go Dry Water Quality Pump Rate (L/min.) 300 350 100 100 100	1 30 30 30 30 30 30 30	erial Numbers: Water Level	Tomp. (Cataius) [3%]*	Peristatic Pum Pump Type: Samples collect MPJ pH [0.1 units]*	Marsch, Steed by same med Hach Sp. Gord. (ins/cm) [3%]	bmersible Pump (IK - Stute without as evacuation 2/00 P 7 Turbidity (NTU) (10% or 1 NTU) - 4 - 3 8	Other/sp Onc n? On (spec fur 6: 1/1 m 17 DO (mg/l) [10% or 0.1 mg/l]	ecify () ify) ORP (mV) [10 mV]

C:SMORROGEGroundwellers64199Ablechmen#D-2

Well No.	Esi-c	26			e/GMA Name ing Personnel Date Weather	66 10/189/	P.Hsfield) o 7	/GMAI	
WELL INFORM	AATION - See P	age 1					**************************************		;
Time	Pump Rate (Ľľmin.)	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]*	BO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1050	100	25.2		18,03	7.69	1.620	C	7.91	-11.60
1055	90	2.34		.8.26	7.66	1.648	'4	7.34	-5.3
1100		2.46		18.37	7,65	1.657	3	7.26	-5.0
1105		2.58		18.58	7.65	1668	2	1.a5	-6.9
1110	\downarrow	2.70		18,48	7.62	1.672	2	7,24	- 5.3
1105 -		Sar	GOIGN		1105				
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		I ach field parame METHOD DEVI	-	cutive readings o	Lollected at 3~ to	5-minute interva	Lals) is listed in each	t column heading.	

Well No.	ES1-2	: //<		Sin			Fil / G	**1*1 1	
Key No.				Samplin	ig Personnei	JCS,			
PID Baci	kground (ppm)	0			Da te		<u> </u>		
	adspace (ppm)			•	Weather	cloudy	breezy	50°F	
						/ *	• .	10 20 000	
ELL INFORM	MATION	-					Sample Time	1035 ES1-2	~ ^ -
Referenc	e Point Marked?	Y (N)	•						<u> </u>
Height of	Reference Point		Meas. From				Duplicate ID _		
•	Weil Dlameter	2"					MS/MSD _		
Scree	n interval Depth	73-193	Meas. From	Ground			Split Sample ID		
	ater Table Depth		Meas. From	ブル					
		13.98	Meas, From	TIL		Required	Analytical F	arameters:	Collected
Length o	of Water Column					()	VOCs (Sta. (ist)	()
Volume	of Water in Well	1.589011	ONS			(5 '	VOCs (Exp. list)	()
	of Pump/Tubing	121	Meas, From	716		()	SV	OCs	()
•	, .					(X)	PCBs	(Total)	()
ference Poi	nt Identification:					()	PC8s (D	issoived)	(سهلد)
	ner (PVC) Casing	ı				()	Metals/Inorg	janics (Total)	()
•	Outer (Protective)					()	Metais/Inorgan	ics (Dissolved)	()
•	Ground Surface	~				()	EPA Cyanid	e (Dissolved)	()
						()	PAC Cyanid	e (Dissolved)	()
odevelop?	γ(N)					()	PCDOs	JPCDFs	()
 						()	Pesticides	/Herbicides	()
						()	Natural A	thenuation	()
						()	Other (Specify)	()
Mine Volume of V	Pump Stop Time utes of Pumping Water Removed Old Well Go Dry?	60			Evacuation Me Peristattic Pum Pump Type: Samples collect	Marsel) Bladder Pomersible Pump (nalk - Justined as evacuation	other/Spe	
Min Volume of V	Pump Stop Time utes of Pumping Water Removed Old Well Go Dry?	10 45 60 Zgwllo Y (N)	eriai Numbers:	<i>Ys1</i> ~ s	Peristatic Pum Pump Type: Samples collec	Mursel Mursel Ded by same med	nmersible Pump (other/Spe	у)
Minu Volume of V	Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? '; Water Quality N	7 45 29 10 Y N	eriai Numbers:		Peristatiic Pum Pump Type: Samples collect	Mursel Mursel med by same med PJ Hu	nmersible Pump (Other/Spe	у)
Min Volume of 1 C	Pump Stop Time utes of Pumping Water Removed old Well Go Dry? Water Quality N	CO 45 CO 2 9 L L V Y N N	erial Numbers:	Tomp.	Peristatic Pum Pump Type: Samples collec	Mursel Mursel Ded by same med	omersible Pump (nalk - sys thod as evacuation the 2100	Other/Spe Jem On: 17 (7) N (specif P Turbis/	y) ,mater
Minu Volume of V	Pump Stop Time utes of Pumping Water Removed old Weß Go Dry? Water Quality N Pump Rate	Y (N) Total Gallons	erial Numbers: Water Lovel	Tomp. (Calsius)	Peristatiic Pum Pump Type: Samples collect	Marsel Sut Marsel State Dy Ha	omersible Pump (nalk - Sussible Pump (nalk - Sussible Pump (thod as evacuation the 2/00 Turbidity (NTU)	Other/Spe Jew One (7 N (specif P Turbid	muter ORP
Mini Volume of V	Pump Stop Time utes of Pumping Water Removed old Well Go Dry? Water Quality N	Y N Y Total Gailons Romovod	erial Numbers:	Tomp.	Peristatiic Pum Pump Type: Samples collect 5 6 M	p () Suit Marsel the d by same met D	omersible Pump (nalk - Sussible Pump (nalk - Sussible Pump (thod as evacuation the 2/00 Turbidity (NTU)	Other/Spe Jew One (7 N (specif P Turb (s) DO (mg/l)	one (mV)
Mini Volume of V	Pump Stop Time utes of Pumping Water Removed bid Weß Go Dry? Water Quality N Pump Rate M(L/min.)	Y (N) Total Gallons	erial Numbers: Water Level (ff TIC)	Tomp. (Calsius)	Peristaftic Pum Pump Type: Samples collect S M pH [0.1 units]*	p() Sut Marsel marked by same mer DJ Ha Sp. Cond. (inSign) [3%]*	omersible Pump (nalk - Sussible Pump (nalk - Sussible Pump (thod as evacuation the 2/00 Turbidity (NTU)	Other/Spe Jew One (7 N (specif P Turb (s) DO (mg/l)	one (mV)
Mini Volume of V	Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate M(L/min.)	Total Gallons Romaved	erial Numbers: Water Level (ff TIC)	Tomp. (Calsius) (3%)*	Peristaftic Pum Pump Type: Samples collect S M pH [0.1 units]*	p() Sut Marrel marrel marrel property marrel property marrel property marrel	mersible Pump (nalk - 5/3 thod as evacuation the 2/00 Turbidity (NTU) [10% or 1 NTU]	Other/Spe Jew One (7 N (specif P Turb (s) DO (mg/l)	one (mV)
Mini Volume of V	Pump Stop Time utes of Pumping Water Removed bid Weß Go Dry? Water Quality N Pump Rate M(L/min.)	GO Zantto Y N leter Type(s)/S Total Gailons Removed in-Traf	Water Lovel (ft TIC) Note () 9.75	Temp. (Calsius) [3%]*	Peristatiic Pum Pump Type: Samples collect 5-6 M., pH	p () Suit Marsel the day same met Sp. Cond. (imS/cm) (3%)*	mersible Pump (nalk - Syst thod as evacuation the 2/00 Turbidity (NTU) [10% or 1 NTU]*	Other/Spe Fr. On. N (specif DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]
Mini Volume of V	Pump Stop Time utes of Pumping Water Removed old Well Go Dry? Water Quality N Pump Rate Millimin.) 75 1125	Total Gallons Romovod	Water Lovel (ft TIC) Note ()	Tomp. (Calsius) [3%]*	Peristatic Pum Pump Type: Samples collect S-6 M pH [0.1 units]*	pp () Suit Marsel Marsel Ds Ha Sp. Gond. (inslem) (3%)* -vg4 c 0.372	mersible Pump (nalk - SUJ thod as evacuation L 2/00 Turbidity (NTU) [10% or 1 NTU] L 2 (Other/Spe Fr. On N (specifi DO (mg/l) (10% or 0.1 mg/l)*	ORP (mV) [10 mV]
Mini Volume of V	Pump Stop Time utes of Pumping Water Removed bid Well Go Dry? Water Quality N Pump Rate M(L/min.)	Total Gallons Romoved in-Trail	water Lovel (ft TIC) Wefe (0) 9.75 9.77	Tomp. (Calsius) (3%)* Plac 19. 88 19. 44	Peristatic Pum Pump Type: Samples collect 5 6 M pH [0.1 units]* 8.37 8.42	p() Suit Marsel Marsel DJ Ha Sp. Cond. (imS/cm) [3%]* 20,372 0.357	mersible Pump (nalk - SLUS frod as evacuation th 2/00 Turbidity (NTU) 110% or 1 NTU)* 2 (20	Other/Spe 7	ore (mV) [10 mV]*
Mini Volume of 10 10 10 10 10 10 10 10 10 10 10 10 10	Pump Stop Time utes of Pumping Water Removed old Well Go Dry? Water Quality N Pump Rate Millimin.) 75 1125	JO 45 60 Zantle Y (N) Select Type(s)/S Total Gallons Removed in-tra/ Selecting 0.25 10.25 10.55	water Lovel (ft TIC) Wefe (0) 9.75 9.77	Tomp. (Calsius) [3%]* Ploc 19. EE 19. 44 14. 78	Peristatic Pum Pump Type: Samples collect 5 6 M pH [0.1 units]* 8.37 8.42 8.42 8.43	pp () Suit Marsel Marsel Ds Ha Sp. Gond. (ins/am) (3%)*	mersible Pump (nalk - 5/15 thod as evacuation th 2/00 Turbidity (NTU) [10% or 1 NTU]* LL 2 (20 21	Other/Spe 7	(motes) ORP (mv) [10 mv) 136.8 147.5
Time #150 955 1005 1005 1005 1005 1005	Pump Stop Time utes of Pumping Water Removed old Well Go Dry? Water Quality N Pump Rate M(L/min.) ~75 ~125 ~125 ~125 ~125	Total Gallons Romovod in-tral 0.25 NO.25 NO.55 NO.75	erial Numbers: Water Lovel (ft TIC) Note (1) 9.75 9.77 9.79 9.79	Tomp. (Calsius) [3%]* Floc 19. EE 19. 44 19. 78 19. 89 19. 98	Peristatic Pum Pump Type: Samples collect 5 6 M pH [0.1 units]* 8. 37 8. 42 8. 43 8. 35 8. 30	DJ Hamber of the state of the s	mersible Pump (nalk - 5/45 frod as evacuation th 2/00 Turbidity (NTU) 110% or 1 NTU; 2 (2 (2 0 2 1 2 0	Other/Spe 7	156.8 147.5 123.4
Minivolume of Volume of Vo	Pump Stop Time utes of Pumping Water Removed Old Well Go Dry? Water Quality N Pump Rate M(L/min.) ~75 ~125 ~125 ~125 ~125 ~125 ~125 ~125	LO 45 GO Zantle Y N Total Gallons Romovod in-Tral Skeing O.25 NO.25 NO.5 NO.75 NO.75 NO.75 NI.0 uch field parame METHOD DEVI	erial Numbers: Water Lovel (ft TIC) Wefe (0) 9.75 9.77 9.79 9.79 9.79 10.79 10.79 10.79 10.79	Tomp. (Calsius) [3%]* [19. E6 [19. 44 [19. 78 [19. 89 [19. 98 [20. 01] cutive readings. (7) Both	Peristatic Pum Pump Type: Samples collect 3 6 M pH [0.1 units]* 8. 37 8. 42 8. 43 8. 35 9. 30 8. 28 collected at 3- to the Collected at 3- to the Cl	DS Humber of Sulf Mars class of the Mars class o	mersible Pump (nalk - 5/3 frod as evacuation th 2/00 Turbidity (NTU) [10% or 1 NTU] 2 (2 (2 0 18 19 as) is listed in each	Other/Spe 7 m On 7 N (specifi P Turb (s) 100 (mg/l) (10% or 0.1 mg/l)* 7. /4 6. 60 6. 17 6. 09 6. 02	123.4 100.6 100.6
Minivolume of 10 10 10 10 10 10 10 10 10 10 10 10 10	Pump Stop Time utes of Pumping Water Removed old Well Go Dry? Water Quality N Pump Rate Millimin.) ~75 ~125 ~	LO 45 GO Zantle Y N Total Gallons Romovod in-Tral Skeing O.25 NO.25 NO.5 NO.75 NO.75 NO.75 NI.0 uch field parame METHOD DEVI	erial Numbers: Water Lovel (ft TIC) Wefe (0) 9.75 9.77 9.79 9.79 9.79 10.79 10.79 10.79 10.79	Tomp. (Calsius) [3%]* [19. E6 [19. 44 [19. 78 [19. 89 [19. 98 [20. 01] cutive readings. (7) Both	Peristatic Pum Pump Type: Samples collect 5 6 M pH [0.1 units]* 8.37 8.42 8.42 8.43 8.35 9.30 6.28 collected at 3-tc m well canaa	DS Humber of Sulf Mars class of the Mars class o	mersible Pump (nalk - 5/3 frod as evacuation th 2/00 Turbidity (NTU) [10% or 1 NTU] 2 (2 (2 0 18 19 as) is listed in each	Other/Spe 7 m On 7 m (specifi P Tu-5 is) DO (mg/l) (10% or 0.1 mg/l)* 7. /4 6. 60 6. 17 6. 09 6. 02 a column heading.	123.4 100.6 100.6

_	- 10 m	به سر		cital@8	(A Name	GMITI	610 111	tsfield	
Well No. 6	5A1111	50		Sampling P		ZIO/JS			
Key No.				Sampling		10/18	10 F		
PID Backgrou	nd (ppm)				Weather (10000	11000	50	
Well Headspa					***************************************	17	UUF	16373	
		•		1		5	Sample Time	1020 SAIN-S	
LL INFORMATIO	N						Sample ID	SAMO	2
Reference Poin	nt Marked?	Y N	_				Duplicate ID		
Height of Refer	ence Paint	711	Aeas, From						
We	il Diameter	<u></u>	Meas, From 🧕	i-nume)		S	olit Sample ID		
Screen Inte	erval Depth	-/CE 1	Meas, From	77.6					Collected
Major T	able Deoth 📑	5,95	Meas. From Meas. From	TIL		Required	Analytical Par	antetoro.	()
	Well Depth		weas. From			() _,	VOCs (Sto		()
Length of Wa	ter Column	2.01	ant			()	VOCs (Ex		()
Volume of W ntake Depth of Po	ater in Well _C). 47 gall	Meas From	T16.		()	PCBs (T		()
ntake Depth of Po	ump/Tubing 📯	7.	141C00.1.10411			()	PCBs (Dis		(X)
					•	(%)	Metals/Inorgal		()
ference Point Ide	entification:					()	Metals/Inorganic	s (Dissolved)	()
C: Top of Inner (PVC) Casing	seina			1	()	EPA Cyanide	(Dissolved)	()
DC: Top of Outer	r (Protective) C	aang				() .	PAC Cyanide	(Dissolved)	()
rade/BGS: Grou	no Suriace					()	PCDDs/F		()
Y Spoloveho	N					()	Pesticides/h		()
edevalop? Y						()	Natural Att		()
						()	Other (S		()
Minute: Volume of Wa	AL 0 - 0-0					Cied by some mov	100 100	***	
	Well Go Dry?	Y N	erial Numbers:	Y51-55	56 - MPS	Hach	2100P Tu	o N (specification)	
V	vves Go Dry Yater Quality M	Y (N) eter Type(s) / So	erial Numbers:	YS1-58	-6-MPS	Hach	2100P Tu	obsidimate po	ORP
v	Vater Quality M	Y (N) eter Type(s) / So	erial Numbers: Water	YS1-55	5amples Colle	Hach Sp. Cond.	Turbidity (NTU)	po (mg/l)	ORP (mV)
v	Vater Quality M	eter Type(s) / So	erial Numbers:	Y 5 1 - 5 5 Tomp. (Colsius)	76 - M P S	Sp. Cond.	Turbidity (NTU)	obsidimete po	ORP
V	Vater Quality M	eter Type(s) / So	erial Numbers:	Y 5 1 - 5 5 Tomp. (Coisius) [3%]*	pH [0.1 units]*	Hach Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]	po (mg/l)	ORP (mV)
V	Yater Quality M Pump ", Rate	eter Type(s) / So Total Gallons	erial Numbers: Water Level	Y 5 1 - 5 5 Tomp. (Colsius)	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]	Turbidity (NTU) [10% or 1 NTU]*	po (mg/l)	ORP (mV)
V Timo	Pump ,, Rate (L/min.)	eter Type(s) / So Total Gallons Removed	Water Level (RTIC)	Y 5 1 - 5 5 Tomp. (Coisius) [3%]*	pH [0.1 units]*	Sp. Cond.	Turbidity (NTU) (10% or 1 NTU)* 334 21 2101	po (mg/l)	ORP (mV)
71ma 0930 0933	Pump ,, Rate (L/min.)	Total Gallons Removed	Water Lovel (RTIC)	Y 51 - 5 S Tomp. (Coisius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]	Turbidity (NTU) (10% or 1 NTU)* 334 261	po (mg/l)	ORP (mV)
0930 0933 0935	Pump ,, Rate (L/min.)	Total Gallons Removed 0-26 0-42.	Water Level (RTIC)	Y 5 1 - 5 S Tomp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]	Turbidity (NTU) (10% or 1 NTU)* 334 3101 158 97	po (mg/l)	ORP (mV)
71ma 0930 0933 0935 0940	Pump ,, Rate (L/min.)	Total Gallons Romoved 0-26 0-42. 0-53 0-79	Water Level (ft TIC) (c. 81 Thu0 Thu0 Thu6	Y 51 - 5 S Tomp. (Coisius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]	Turbidity (NTU) 110% or 1 NTU]* 334 261 158 97	16 id in ete 100 (mg/l) [10% or 0.1 mg/l)*	ORP (mV) (10 mV)*
71mo 0930 0933 0935 0940 0945	Pump ,, Rate (L/min.)	Total Gallons Removed 0-26 0-42. 0-53 0-79 1-06	Water Lovel (ft TIC) 6.81 7.66 7.66 7.66	Y 5 1 - 5 S Tomp. (Coisius) [3%]*	pH [0.1 units]*	Hach Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)* 334 261 158 97 44 20	15,30	ORP (mV) [10 mV]*
0930 0933 0933 0940 0945 0960	Pump ,, Rate (L/min.)	Total Gallons Removed 0-26 0-42. 0-53 0-79 1-06 1-32	Water Level (ft TIC) (c. 81 Thu0 Thu0 Thu6	Y 51 - 5 S Tomp. (Coisius) [3%]*	pH [0.1 units]*	Hach Sp. Cond. (mS/cm) [3%]"	Turbidity (NTU) (10% or 1 NTU) (334 261 158 97 44 20 13	15.30	ORP (mV) (10 mV)*
0930 0933 0935 0940 0945 0960 0955	Pump , Rate (L/min.)	Total Gallons Removed 0-26 0-42. 0-53 0-79 1-06 1-32 1-59	Water Lovel (ft TIC) (c. 81 T.60 T.66 T.66 T.67	YS1-55 Tomp. (Colsius) [3%]* 16.40 16.38	pH [0.1 units]*	Hach Sp. Cond. (mS/cm) [3%]"	Turbidity (NTU) (10% or 1 NTU) (334 261 158 97 44 20 13	15,30 14,14	ORP (mV) (10 mV)*
0930 0933 0935 0940 0945 0960 0955	Pump , Rate (L/min.)	Total Gallons Removed 0-26 0-42. 0-53 0-79 1-06 1-32 1-59	Water Lovel (ft TIC) (c. 81 T.60 T.66 T.66 T.67	YS1-55 Tomp. (Colsius) [3%]* 16.40 16.38	pH [0.1 units]*	Hach Sp. Cond. (mS/cm) [3%]"	Turbidity (NTU) (10% or 1 NTU) (334 261 158 97 44 20 13	15,30 14,14	ORP (mV) (10 mV)*
71me 0930 0933 0935 0940 0945 0960 0955 1000	Pump , Rate (L/min.)	Total Gallons Removed 0-26 0-42. 0-53 0-79 1-06 1-32 1-59 1-85 each tield parame	Water Level (ft TIC) (c. 81 T. 60 T. 69 7. 69 7. 69 7. 69 water (three constraints)	751-55 Tomp. (Colsius) [3%]* 16.40 /6.38 secutive readings	pH [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (334 (361 (156) (97 44 (30) (13 (13) (vals) is listed in ear	15.30	ORP (mV) (10 mV)*
71me 0930 0933 0935 0940 0945 0960 0955 1000	Pump , Rate (L/min.)	Total Gallons Romoved 0-26 0-42. 0-53 0-79 1-06 1-32- 1-59 1-85 each field param 6 METHOD DE	Water Level (RTIC) (6.81 T-166 T-166 T-169 T-69 T-69 P-69	751-55 Tomp. (Colsius) [3%]* 16.40 /6.38 secutive readings	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]* 33 4 210 1 158 97 44 20 13 4 vals) is listed in ear	15,30 15,01 14,14 ch column heading.	ORP (mV) (10 mV)*
0930 0933 0933 0940 0945 0960 0965 1000 The stabilizat	Pump Rato (L/min.) 2.00	Total Gallons Romoved 0-26 0-42. 0-53 0-79 1-06 1-32- 1-59 1-85 each field param 6 METHOD DE	Water Level (ft TIC) (c. 81 T. 60 T. 69 7. 69 7. 69 7. 69 water (three constraints)	751-55 Tomp. (Colsius) [3%]* 16.40 /6.38 secutive readings	pH [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (334 (361 (156) (97 44 (30) (13 (13) (vals) is listed in ear	15,30 15,01 14,14 ch column heading.	ORP (mV) (10 mV)*
0930 0933 0933 0940 0945 0960 0965 1000 The stabilizat	Pump Rato (L/min.) 2.00	Total Gallons Romoved 0-26 0-42. 0-53 0-79 1-06 1-32- 1-59 1-85 each field param 6 METHOD DE	Water Level (ft TIC) (c. 81 T. 60 T. 69 7. 69 7. 69 7. 69 water (three constraints)	751-55 Tomp. (Colsius) [3%]* 16.40 /6.38 secutive readings	pH [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (334 (361 (156) (97 44 (30) (13 (13) (vals) is listed in ear	15,30 15,01 14,14 ch column heading.	ORP (mV) (10 mV)*
71mo 0930 0933 0935 0940 0945 0960 0955 1000 The stabilizat observatio	Pump Rato (L/min.) 2.00 ion criteria for vins/sampling Durous	Total Gallons Romoved 0-26 0-42. 0-53 0-79 1-06 1-32- 1-59 1-85 each field param 6 METHOD DE	Water Level (ft TIC) (c. 81 T. 60 T. 69 7. 69 7. 69 7. 69 water (three constraints)	751-55 Tomp. (Colsius) [3%]* 16.40 /6.38 secutive readings	pH [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]* [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (334 (361 (156) (97 44 (30) (13 (13) (vals) is listed in ear	15,30 15,01 14,14 ch column heading.	ORP (mV) [10 mV]*
Time 0930 0933 0935 0940 0945 0955 1000 The stabilizat OBSERVATIC YNTH (1) SAMPLE DES	Pump Rato (L/min.) 2.00 ion criteria for ons/sampling Puros	Total Gallons Romoved 0-26 0-42. 0-53 0-79 1-06 1-32- 1-59 1-85 each field param 6 METHOD DE	Water Level (ft TIC) (c. 81 T. 60 T. 69 7. 69 7. 69 7. 69 water (three constraints)	751-55 Tomp. (Colsius) [3%]* 16.40 /6.38 secutive readings	pH [0.1 units]* Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) 110% or 1 NTU] 334 2101 156 97 44 20 13 17 vals) is listed in ear	15,30 15,01 14,14 ch column heading.	ORP (mV) (10 mV)*	
Time O930 0933 0935 0940 0945 0955 1000 The stabilizate observation (muha) SAMPLE DES Laborator Delivered Vi	Pump Rato (L/min.) 2.00 ion criteria for ons/sampling Puros	Total Gallons Romoved 0-26 0-42. 0-53 0-79 1-06 1-32- 1-59 1-85 each field param 6 METHOD DE	Water Level (ft TIC) (c. 81 T. 60 T. 69 7. 69 7. 69 7. 69 water (three constraints)	751-55 Tomp. (Colsius) [3%]* 16.40 /6.38 secutive readings	pH [0.1 units]* Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) 110% or 1 NTU] 334 2101 156 97 44 20 13 17 vals) is listed in ear	15,30 15,01 14,14 ch column heading.	ORP (mV) [10 mV]*	

Well No. <u>CSAIN-52</u>	Site/GMA Name Sampling Personnel Date Weather	10/18/5	0.3	eid
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L INFORM	ATION - See Pa	ge 1 Total	Water	Temp.	рH	Sp. Cond.	Turbidity (NTU)	DO (mg/l)	ORP (mV)
	Pump	Gallons	Level	(Celsius)		(mS/cm)	MO% or 1 NTUIP	[10% or 0.1 mg/i]*	[10 mV]*
Time	Rate (∐min.)	Removed	(ft TIC)	[3%]*	[0.1 units]	[3%]*		13, 28	-26.1
306	200	2.11	7-69	16.41	6.72	0.551	5	11,74	- 33.2
005		2.38	7-69	14.43	6.76	0.592	4	10,84	- 372
010 015	 	2.64	7-67	11042	11.78	10590	ļ	11,3	- 39.9
020		2.91	7.69	16.40	6.79	0.600)	111.31	
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XXIII	12667-6-1				<u> </u>	 			
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					}	1	intervals) is listed i		

	1						L. Via linted in 69	ch columa headil	ng.
	<u> </u>		u	readings (collected at 3-t	o 5-minute interv	rais) is listed in ea	ion ooiann	
t The stabilizat	ion criteria for eac	ch field parameter (futee consecutive	5 (CEGIII.9* .					
111C STADULTON		ACTUAN NEVIATI	ONS						
OBSERVATIO	INS/SAMPLING	NETHOD DEVIATI							

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	. <u>(52-</u>	2 is/ 1º-\		_	tto/GMA Name	- (m/c Y)	1 15+ic/c	/BHAI	
Key No.	***************************************			Samp	ling Personnel	XIC/MI	LL K		
	kground (ppm	·		-	Date	1725	/O+)***. 4	
Well He	aqabaca (bbw	,			Weather	<u> 50</u>	+ CXCERC	(1/2/1-	
WELL INFOR	MATTON						Sample Time	117700	
	a Point Marked	2 Ø N			1		Oampie 11119 Oampie 12119	E52-C	53 A
	Reference Poin	1.1	Meas. From	T1/'					
· idagiii di	Well Diamete		(1,041		-				
Scree	n Interval Depti	3 . (*)	- Maas Emm	Grand				***************************************	
	atar Table Depti			TIL			opiit oampie iD		
•••	Well Dept		Meas. From	714		Required	Analytical	Parameters:	Collected
Length o	of Water Column				~	(×)		(Sta. list)	(X)
-	of Water in We					()		(Exp. list)	()
		1-/3	 Meas From	TIL		()		/OCs	()
					~	()		s (Total)	()
Reference Poi	nt Identification:					()		Dissolved)	()
	ner (PVC) Casic	d				()	-	ganics (Total)	
	Outer (Protective	•				()		nics (Dissolved)	()
-	Round Surface	,				()	•	de (Disselved)	()
		•				()	-	de (Dissolved)	()
Redevelop?	Y (A)					()		s/PCDFs	(}
						()		s/Herbicides	, ,
						()		Attenuation	()
						()		(Specify)	, ,
EVACUATION	INFORMATION	1				(/	Outo	(opeony)	{ }
Volume of V	ites of Pumping	·	بداآ		Peristatic Pum		bmersible Pump () Other/Spe	
	id Well Go Dry?			<u> </u>	Samples coiled	ted by same me	thod as evacuation	s Obs	fy)
Di	d Well Go Dry? Vater Quality h	Y (N) feter Type(s) / S Total	erial Numbers:	Temp.	Samples coiled	Hush Sp. Cond.	Turbidity	n? (T) N (specific Lide in stell	(v)
	d Well Go Dry? Vater Quality h Pump Rate	Y (N) feter Type(s) / S Total Gallons	erial Numbers: Water Level	Temp.	Samples coffee	Sp. Cond.	Turbidity (NTU)	n? (T N (special Lide in start DO (mg/l)	ORP (mV)
Di	d Well Go Dry? Vater Quality h	Y (N) feter Type(s) / S Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	Samples coiled MPJ	Hush Sp. Cond.	Turbidity (NTU)	n? (T) N (specific Lide in stell	ORP (mV) {10 mV]*
Di	d Well Go Dry? Vater Quality h Pump Rate	Y (N) feter Type(s) / S Total Gallons Removed O-33	erial Numbers: Water Level	Temp.	Samples coffee	Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]	n? (T N (special Lide in start DO (mg/l)	ORP (mV)
Di	d Well Go Dry? Vater Quality h Pump Rate	Y (N) feter Type(s) / S Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	Samples coffee	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	n? (T N (special Lide in start DO (mg/l)	ORP (mV) {10 mV]*
Di	d Well Go Dry? Vater Quality h Pump Rate	Y (N) feter Type(s) / S Total Gallons Removed O-33	Water Level (ft TIC)	Temp. (Celsius) [3%]*	Samples coffee	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	n? (S N (special Lidebasts/ DO (mg/l)	ORP (mV) {10 mV]*
Di	d Well Go Dry? Vater Quality h Pump Rate	Y (N) feter Type(s)/S Total Gallons Removed 0-33 0-53	Water Level (ft TIC)	Temp. (Celsius) [3%]*	Samples collect MPJ pH [0.1 units]*	Sp. Cond.	Turbidity (NTU) [10% or 1 NTU]	DO (mg/l) 10% or 0.1 mg/l *	ORP (mV) {10 mV]*
Di	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Quality Materia	Y (N) feter Type(s) / S Total Gallons Removed 0-33 0-53 0-66 0-79	Water Lavel (ft TIC)	Temp. (Cofsius) [3%]*	Samples collect MPJ 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]*
Di	d Well Go Dry? Vater Quality h Pump Rate	Y (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79	Water Level (ft TIC)	Temp. (Cofsius) [3%]*	Samples collect MPJ 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]*
Di	Water Quality Mater Quality Mater Quality Mater Quality Mater Quality Mater Quality Material Quality Materia	Y (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0-92 1-05	Water Lavel (ft TIC)	Temp. (Cofsius) [3%]*	Samples collect MPJ 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]*
71me 09.35 DAYO 09.45 09.50 09.50 1005	Water Quality Mater als (L/min.)	Y (N) feter Type(s)/S Total Gallons Removed 0.33 0.53 0.66 0.79 0.92 /-05	Water Lavel (ft TIC)	Temp. (Cofsius) [3%]*	Samples collect MPJ 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]*
71me 0935 D240 0950 0950 1005 1010	Water Quality Mater al Ma	Y (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0.92 /-05 /-18	Water Level (ft TIC) フ・ス) フ・フ) フ・フ) フ・フ) フ・フ)	Temp. (Cofsius) [3%]* (4.38 13.43 13.76 14.05 14.24 14.24	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%]* 1.501 [.576 [.757 [.757	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) {10 mV]*
Time 09.35 DAY 0 09.50 09.50 10.05 10.10 The stabilization	Water Quality Mater al Quality	r (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0-92 /-05 /-05 /-31 ch field paramet	Water Lovel (ft TIC) アルフンフ・フ・フトフトフィン マ・フィン マ・フィン マ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ	Temp. (Cofsius) [3%]* (4.38 13.43 13.76 14.05 14.24 14.24	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%]* 1.501 [.576 [.757 [.757	Turbidity (NTU) [10% or 1 NTU)	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) (10 mV)*
Time 09.35 DAY 0 09.50 09.50 10.005 10.10 The stabilizatio	Water Quality Mater al Quality	Y (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0.92 /-05 /-18	Water Lovel (ft TIC) アルフンフ・フ・フトフトフィン マ・フィン マ・フィン マ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ	Temp. (Cofsius) [3%]* (4.38 13.43 13.76 14.05 14.24 14.24	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%]* 1.501 [.576 [.757 [.757	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) (10 mV)*
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Time 09.35 DAYO 945 09.50 09.50 10.00 The stabilization 10.41 10.41	Water Quality Mater al Quality	r (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0-92 /-05 /-05 /-31 ch field paramet	Water Lovel (ft TIC) アルフンフ・フ・フトフトフィン マ・フィン マ・フィン マ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ	Temp. (Cofsius) [3%]* (4.38 13.43 13.76 14.05 14.24 14.24	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%]* 1.501 [.576 [.757 [.757	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) (10 mV)*
Time 09.35 DAY 0 09.50 09.50 10.00 The stabilization 14.12.1	Water Quality Mater als (L/min.) SSO	r (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0-92 /-05 /-05 /-31 ch field paramet	Water Lovel (ft TIC) アルフンフ・フ・フトフトフィン マ・フィン マ・フィン マ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ	Temp. (Cofsius) [3%]* (4.38 13.43 13.76 14.05 14.24 14.24	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%]* 1.501 [.576 [.757 [.757	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) (10 mV)*
Time 1935 1945 1950 1005 1010 The stabilization 144a	Water Quality Mater al Quality	r (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0-92 /-05 /-05 /-31 ch field paramet	Water Lovel (ft TIC) アルフンフ・フ・フトフトフィン マ・フィン マ・フィン マ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ	Temp. (Cofsius) [3%]* (4.38 13.43 13.76 14.05 14.24 14.24	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%]* 1.501 [.576 [.757 [.757	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) (10 mV)*
Time 09.35 DAY 0 09.50 09.50 10.00 The stabilization 14.12.1	Water Quality Mater al Quality	r (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0-92 /-05 /-05 /-31 ch field paramet	Water Lovel (ft TIC) アルフンフ・フ・フトフトフィン マ・フィン マ・フィン マ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ	Temp. (Cofsius) [3%]* (4.38 13.43 13.76 14.05 14.24 14.24	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%]* 1.501 [.576 [.757 [.757	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) (10 mV)*
Time 1935 1945 1945 1965 1975 The stabilization DBSERVATION 1945 SAMPLE DEST Laboratory:	Water Quality Mater al Quality	r (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0-92 /-05 /-05 /-31 ch field paramet	Water Lovel (ft TIC) アルフンフ・フ・フトフトフィン マ・フィン マ・フィン マ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ	Temp. (Cofsius) [3%]* (4.38 13.43 13.76 14.05 14.24 14.24	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%]* 1.501 [.576 [.757 [.757	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) (10 mV)*
Time 1935 1945 1950 1005 1010 The stabilization 1443 1443	Water Quality Mater al Quality	r (N) feter Type(s)/S Total Gallons Removed 0-33 0-53 0-66 0-79 0-92 /-05 /-05 /-31 ch field paramet	Water Lovel (ft TIC) アルフンフ・フ・フトフトフィン マ・フィン マ・フィン マ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ・フ	Temp. (Cofsius) [3%] [4-38] [3-43] [3-7] [4-05] [4-05] [4-05] [4-24] [4-24] [4-24] [4-24]	ptt [0.1 units]* [49] [Sp. Cond. (mS/cm) [3%] 1.50 L 1.57 C 1.757 1-879 5-minute interval	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l) (10% or 0.1 mg/l) 3 5 22 1 0 0 0 0	ORP (mV) (10 mV)*

			9	ROUNDWAT	ER SAMPLIN	IG LOG			
Well No.	ESD-	-02A	-	_ Sit Sampli	e/GMA Name ing Personnel Date Weather	GE G:H KIC/A 10/25	sfield 1 nmr 107 Copporas	CMAI	
WELL INFORM	WATION - See P	age 1							ì
Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pff [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]*
1015	100	1.44	7.71	14.41	217	1,429	6	0.71	-100.8
1030	100	1.57	7.71	14.53	7.92	1.987	7	0.63	-103.2
1025	100	1-70	7.64	'+1,5()	7.82	2.088	-7	0.57	-105.2
1030	100	1-83	7.69	14.56	7.86	2.005	7	0 54	103.4
1035-			moted	(a) 10			Name of the Street Street, and the Street St		
1.532		302351	110000						
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	 		<u> </u>					 	†
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* The stabilizati	ion critoria for ea	ach field parame	ter (three consec	cutive readings o	collected at 3- to	5-minute interva	ls) is listed in each	column heading.	
OBSERVATION	NS/SAMPLING	METHOD DEVI	ATIONS	- Began	sampli.	140 103	<u>>() </u>		

Well Na. Key No.	<u>GMA</u>	1-6		-	b/GMA Name	KIC, M	Hsfield/	COMAL	
	kground (ppm)		***	~	Date	10/23/0			
Well He	edepace (ppm)			-	Weather	Cloudy	<u>50s</u>		·····
	a Point Marked?			717		•		1040 GMA1-6	
Height of	Reference Point	20	Meas, From	110					
Cama	Weil Diameter the Dapthi ne			c 1			MS/MSD		
	ater Table Depth		Meas From	Granad 7-1c	•		Spir Sample III		
***	Well Dooth			77/6		Required	Analytical	Parameters:	Collected
Length o	of Water Column	6.79	•		-	(,)	VOCs	(Std. list)	()
		1-11961				(X 3	VOCs	(Exp. list)	()
intake Depth	of Pump/Tubing	~/21	Meas. From	710		()	S/	/OCs	()
						(,)		(Total)	()
	nt Identification:					(X)	-	Dissolved)	()
•	ner (PVC) Casin Outor (Protective)	-				()		ganics (Total) nics (Dissolved)	()
Grade/8GS: G	-	Casaig				()		te (Dissolved)	()
						()		de (Dissolved)	i i
Redevelop?	y (Ŋ)					()		s/PCDFs	()
	•					()	Pesticides	s/Herbicides	()
						()		Attenuation	()
~ (40) 147 O. I.	INFORMATION					()	Other	(Specify)	
Volume of V	utes of Pumping Vater Removed id Well Go Ury?	21,25 gal	lons			Marsch	bmerskilo Pump(Lik - Syst thod as evacuation	em One	
	Water Quality M	leter Type(s) / S	erial Numbers;	<u> </u>	JE MPJ	HL	ch 2100P	- 72 US/31/2	noter
	Water Quality M		erial Numbers:	,	56 MPJ	Sp. Cond.	Ch Z100P	· アレンらパリン	no/e/
Tlmo	, 	leter Type(s) / S			<u></u>	1			
Time	Purso Rate (L/min.)	leter Type(s) / S	Water 🖈	Tomp.	<u></u>	"Sp. Cond.	Turbidity	DO (mg/l)	ORP
0940	Perso Rate (Umin.)	Total Gallons Removed	Water A	Tomp. (Calsius)	pH	"Sp. Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l)	ORP (mV)
	Perso Rate (Umin.) 75	Total Gallons Removed D-ZO	Water A	Tomp. (Celoius) [3%]*	pH [0.1 units]*	"Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l)	ORP (mV)
0940	Perso Rate (Umin.)	Total Gallons Removed	Water A	Tomp. (Celoius) [3%]*	pH [0.1 units]*	"Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l)	ORP (mV)
0940 0946 0950	Perso Rate (Umin.) 75	Total Gallons Removed D-ZO	Water A	Tomp. (Celoius) [3%]*	pH [0.1 units]*	"Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] 349 57	DO (mg/l)	ORP (mV)
0940 0946	Pursa Rate (Umin.) 75 75 75 76 110	Total Gallons Removed D. LO D- ZO O-30 O-45	Water A	Tomp. (Celoius) [3%]*	pH [0.1 units]*	"Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) 349 57 56	DO (mg/l)	ORP (mV)
0940 0946 0950 0986	Purso Rate (Umin.) 75 75 75 75	Total Gallons Removed D-LO D-ZO O-30	Water A	Tomp. (Calvius) [3%]*	[0.1 units]*	"Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) 349 57 56	DO (mg/l)	ORP (mV)
0940 0946 0950 0986 1000 1006	Pursa Rate (Umin.) 75 75 75 76 110	Total Gallons Removed D. LO D- ZO O-30 O-45	Water A	Tomp. % (Celoius) [3%]*	pH [0.1 units]*	Sp. Cond. (imSicin) [3%]*	Turbidity (NTU) (10% or 1 NTU) 349 57 56	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV)*
0940 0946 0950 0986 1000	Purso Rate (Umin.) 75 75 75 110 100 100	Total Gallons Removed 0.40 0-20 0-30 0-45	Water A	Tomp. (Caloius) [3%]*	ptf [0.1 units]*	Sp. Cond. (inStein) [3%]*	Turbidity (NTU) (10% or 1 NTU) 349 57 56	DO (mg/l) [10% or 0.1 mg/l]*	0RP (mV) {10 mV)*
6940 0946 0950 0986 1000 1005 1010	Purso Rate (Umin.) 75 76 76 110 100 100 100	Total Gallons Removed 0.10 0-20 0-30 0-45 0-71 0-84 0-97	Water A Level (ft TIC)	Tomp. (Galoius) [3%]*	[0.1 units]* [0.1 units]*	Sp. Cond. (inStein) [3%]* 1.939 1.832	Turbidity (NTU) (10% or 1 NTUP 349 57 66 45 443	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*
6940 0946 0950 0955 1000 1005 1010 1015 The stabilization	Purso Rate ([Umin.]) 75 75 75 110 100 100 100 00 critoria for ear	Total Gallons Removed 0.10 0-20 0-30 0-45 0-71 0-84 0-97 ch field paramet	Water A Level (fit TIC) 8.48 er (three consecutions	Tomp. (Galoius) [3%]* /8.02 /7.8(o 17.73 putive readings of	[0.1 units]* [0.1 units]*	Sp. Cond. (inStein) [3%]* 1.939 1.832 1.830 5-minuto interva	Turbidity (NTU) [10% or 1 NTUP 349 57 56 45 43 44 40 Us) is listed in each	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*
6940 0946 0950 0955 1000 1005 1010 1015 The stabilization	Purso Rate ([Umin.]) 75 75 75 110 100 100 100 00 critoria for ear	Total Gallons Removed 0.10 0-20 0-30 0-45	Water A Level (fit TIC) 8.48 er (three consecutions	Tomp. (Galoius) [3%]* /8.02 /7.8(o 17.73 putive readings of	[0.1 units]* [0.1 units]*	Sp. Cond. (inStein) [3%]* 1.939 1.832 1.830 5-minuto interva	Turbidity (NTU) (10% or 1 NTUP 349 57 56 45 43 44 40	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*
6940 0946 0950 0955 1000 1005 1010 1015 The stabilization	Pursa Rate ([Umin.]) 75 75 75 110 100 100 100 00 criteria for each sysampling of the column of the c	Total Gallone Removed 0.00 0-20 0-30 0-45 0-71 0-84 0-97 ch field parameter METHOD DEVU	Water A Level (fit TIC) 8.48 er (three consecutions	Tomp. (Caroina) [3%]*	pH [0.1 units]* 	Sp. Cond. (inStein) [3%]* 1.939 1.832 1.830 5-minuto interva	Turbidity (NTU) [10% or 1 NTUP 349 57 56 45 43 44 40 Us) is listed in each	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*
0940 0946 0950 0986 1000 1005 1010 1015 The stabilization OBSERVATION	Pursa Rate ([Umin.]) 75 75 75 110 100 100 100 00 criteria for each sysampling of the column of the c	Total Gallone Removed 0.00 0-20 0-30 0-45 0-71 0-84 0-97 ch field parament METHOD DEVU	Water A Level (ft TIC) 8.48 er (three consecutions	Tomp. (Caroina) [3%]*	pH [0.1 units]* 	Sp. Cond. (inStein) [3%]* 1.939 1.832 1.830 5-minuto interva	Turbidity (NTU) [10% or 1 NTUP 349 57 56 45 43 44 40 Us) is listed in each	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*
6940 0946 0950 0986 1000 1015 The stabilization OBSERVATION GIVEN SE Unitial	Person Rate ([Umin.]) 75 75 75 110 100 100 100 100 00 critoria for ea instant of each stant of each	Total Gallone Removed 0.60 0-20 0-30 0-45 0-71 0-84 0-97 ch field paramete METHOD DEVIN	Water AP Level (fit TIC) 8.48 er (three consecutions volve y S	Tomp. (Caroina) [3%]*	pH [0.1 units]* 	Sp. Cond. (inStein) [3%]* 1.939 1.832 1.830 5-minuto interva	Turbidity (NTU) [10% or 1 NTUP 349 57 56 45 43 44 40 Us) is listed in each	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*
6940 0946 0950 0955 1000 1005 1010 1015 The stabilization OBSERVATION Grey Se Lugger 16 111,419	Person Rate ([Umin.]) 75 75 75 110 100 100 100 100 00 critoria for ea instant of each stant of each	Total Gallone Removed 0.60 0-20 0-30 0-45 0-71 0-84 0-97 ch field paramete METHOD DEVIN	Water AP Level (fit TIC) 8.48 er (three consecutions volve y S	Tomp. (Caroina) [3%]*	pH [0.1 units]* 	Sp. Cond. (inStein) [3%]* 1.939 1.832 1.830 5-minuto interva	Turbidity (NTU) [10% or 1 NTUP 349 57 56 45 43 44 40 Us) is listed in each	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*
6940 0946 0950 0985 1000 1005 1010 1015 The stabilization OBSERVATION GREAT SE LONGER IN LABORATORY: Delivered Via:	Purso Rate ([Umin.]) 75 75 75 110 100 100 100 100 00 concriteria for ear NS/SAMPLING I DINAM CONSIGNAM CON	Total Gallone Removed 0.60 0-20 0-30 0-45 0-71 0-84 0-97 ch field paramete METHOD DEVIN	Water AP Level (fit TIC) 8.48 er (three consecutions volve y S	Tomp. (Caroina) [3%]*	pH [0.1 units]* 	Sp. Cond. (inStein) [3%]* 1.939 1.832 1.830 5-minuto interva	Turbidity (NTU) [10% or 1 NTUP 349 57 56 45 43 44 40 Us) is listed in each	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*
6940 0946 0950 0955 1000 1005 1010 1015 The stabilization OBSERVATION Grey St Unitial	Purso Rate ([Umin.]) 75 75 75 110 100 100 100 100 00 concriteria for ear NS/SAMPLING I DINAM CONSIGNAM CON	Total Gallone Removed 0.60 0-20 0-30 0-45 0-71 0-84 0-97 ch field paramete METHOD DEVIN	Water AP Level (fit TIC) 8.48 er (three consecutions volve y S	Tomp. (Caroina) [3%]*	pH	Sp. Cond. (inStein) [3%]* 1.939 1.832 1.830 5-minuto interva	Turbidity (NTU) [10% or 1 NTUP 349 57 56 45 45 47 40 Us) is listed in each	DO (mg/l) [10% or 0.1 mg/lf* 9.05 8.85	ORP (mV) (10 mV)*

Well No. GMA 1 - 6	Site/GMA Name	GE Pittsfield/GMAI
	Sampling Personnel	KIC/MMR
	Date	10/23/07
	Weather	Cloudy SO'S

WELL INFORMATION - See Page 1

Time	Pump Rate (Ľ/min.)	Total Gallons Removed	Water Level (ft TIC)	Tomp. (Celsius) (3%)*	pH [0,1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1020	100	1-10	<i>1</i> ₽,	17.58	6.23	1.829	39	8.7·l	-108.6
1025	100	1.23		17.56	6.23	1.829	34	8.68	-114.0
1030	100	1-36		17.53	6.23	1.827	33	8.67	-110.7
03.5	100	1.49		17.50	6.22	1.827	33	8.66	-113.5
1040 -			amolie	0 1					
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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
> Final death to water 8.66 @ 1057

Well No. 6 Key No. 7 PID Backgrou Well Headapa		· · · · · · · · · · · · · · · · · · ·		20000	MA REGIRE C	5 114	F:11/GN		
PID Backgrou Well Headspa				Sampling I	Demonnel C	MR			
Well Headspa					Date	1/12/07		F-60/=	
	ina (ppm)				Weather O	revenity ?	am windy	-)	
ELL INFORMATIC	ico (bhu)	<u> </u>					Sample Time		
ELT MECHONOLIC	114					•	Sample 10 6/	10.01-13	1
		(Ý) N		,				V A . /	
Reference Pair Height of Refer	ng markour		Meas. From	Lound					
	# Diameter	70				_	MS/MSD Split Sample ID		
۷۷ ۵	erval Depth /	5'-75'	Meas. From	round		.8	iblit gambie in		
Screen niv	able Depth		Meas. From	TIL		5	Analytical Pag	ameters:	Collected
AASTO! (Well Depth	26.95	Meas, From	TIL		Required	VOCs (St		()
t anoth of We	ator Column	7.74				()	VQCs (Ex		()
Volume of W	/ater in Weil 🕹	· 2 6 6 6 110,	4.3				svoo		()
Intake Depth of Po	ump/Tubing	Z3''	Meas, From	TIL		()	PCBs (T		()
HIERO COPOL OL							PCBs (Dis		(X)
toference Point Ide	entification:					(Se)	Metals/Inorga		()
IC: Top of Inner (PVC) Casing					()	Metals/Inorganic		()
OC: Top of Outer	r (Protective) C	asing				()	EPA Cyanide		()
Grade/BGS: Groun	nd Surface					()	PAC Cyanide		()
						()	PCDDs/I		{ }
Y Sqolevelop?	(N)					()	Pesticides/l		()
,						()	Natural Att		<i>t</i> }
						()	Other (S		
W	rater Quality M	eter Type(s) / S	erial Numbers:	Y 51-55			Z100P 7-10	rbidin etu	ORP
	Pump	Total	Water	Тетр.	рН	Sp. Cond.	(NTI)	(mg/l)	(mV)
Timo	Rate	Gallons	Level	(Colsius)		(mS/cm) (3%)"	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]*
	(L/min.)	Removed	(ft TIC)	[3%]*	[0.1 units]*				
		_	1.00	-muss/	and the	- rate			
12:45	1007. 5	0.13	177.19				50		
	100 mi	0.13	19-19	, mara 1.		_	51		
1	100 ml	0.40	19-20	, mr23.			51	andt.	
13:55			19-21				37	16.30	
13:55	100ml 100ml	0.40	19-20	12.27	7.05	- 0.940	51 37 22	16.30	 /59.6
13:55 14:05 14:15	100ml 100ml 100ml	0.40	19-21	12.27	7.05	- 0.940 0.953	51 37 22 20	15.40	 159.6 155.1
13:55 14:05 14:15 14:20	100ml 100ml 100ml	0.40 0.66 0.92 1.06	19.20 19.21 19.19 19.19	12.27	7.05	- 0.940	51 37 22 20 17	15.40 9.30	 159.6 155.1 150.8
13:55 14:05 14:15 14:20 14:25	100ml 100ml 100ml 100ml	0.40 0.66 0.92 1.06 1.19	19.20 19-21 19-19 19-19 19-19	12.27	7.05	- 0.940 0.953	51 37 22 20	15.40 9.30 5.43	 159.6 155.1 150.8 145.5
13:55 14:05 14:15 14:20 14:25 14:30	100 ml 100 ml 100 ml 100 ml 100 ml	0.40 0.66 0.92 1.06 1.19 1.32	19.20 19.21 19.19 19.19 19.19 19.20	12.27 11.92 11.78 11.82	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00	 159.6 155.1 150.8
13:55 14:05 14:15 14:20 14:25 14:30	100 ml 100 ml 100 ml 100 ml 100 ml	0.40 0.66 0.92 1.06 1.19 1.32	19.20 19.21 19.19 19.19 19.19 19.20	12.27 11.92 11.78 11.82	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00	 159-6 155-1 150.8 145-5
13:55 14:05 14:15 14:20 14:25 14:35 The stabilization	100 ml 000 ml 000 ml	0.40 0.66 0.9 Z 1.06 1.19 1.32 1.45 ach fleid param	19.20 19.19 19.19 19.19 19.20 19.20 19.20	12.27 11.92 11.78 11.82	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00	 159.6 155.1 150.8 145.5
13:55 14:05 14:15 14:20 14:25 14:35 The stabilization	100 ml	0.40 0.66 0.92 1.06 1.19 1.32 1.45 ach fleid param	19.20 19.21 19.19 19.19 19.20 19.20 19.20 eter (three cons-	12.27 11.92 11.78 11.82 11.99 ecutive readings	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43	 159.6 155.1 150.8 145.5
13:55 14:05 14:15 14:20 14:25 14:35 The stabilization	100 ml	0.40 0.66 0.92 1.06 1.19 1.32 1.45 ach fleid param	19.20 19.21 19.19 19.19 19.20 19.20 19.20 eter (three cons-	12.27 11.92 11.78 11.82 11.99 ecutive readings	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00	 159.6 155.1 150.8 145.5
13:55 14:05 14:15 14:20 14:25 14:35 14:35 The stabilization	100 ml	0.40 0.66 0.92 1.06 1.19 1.32 1.45 ach fleid param	19.20 19.21 19.19 19.19 19.20 19.20 19.20 eter (three cons-	12.27 11.92 11.78 11.82 11.99 ecutive readings	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00	 159.6 155.1 150.8 145.5
13:55 14:05 14:15 14:20 14:25 14:35 The stabilization	100 ml	0.40 0.66 0.92 1.06 1.19 1.32 1.45 ach fleid param	19.20 19.19 19.19 19.19 19.20 19.20 19.20	12.27 11.92 11.78 11.82 11.99 ecutive readings	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00	 159.6 155.1 150.8 145.5
13:55 14:05 14:15 14:20 14:25 14:25 14:35 The stabilization	100 ml	0.40 0.66 0.92 1.06 1.19 1.32 1.45 ach fleid param	19.20 19.21 19.19 19.19 19.20 19.20 19.20 eter (three cons-	12.27 11.92 11.78 11.82 11.99 ecutive readings	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00	 159.6 155.1 150.8 145.5
13:55 14:05 14:15 14:20 14:25 14:35 The stabilization OBSERVATION This final	100 ml	0.40 0.66 0.92 1.06 1.19 1.32 1.45 ach fleid param	19.20 19.21 19.19 19.19 19.20 19.20 19.20 eter (three cons-	12.27 11.92 11.78 11.82 11.99 ecutive readings	7.05 7.08 7.07 7.09 7.08	- 0.940 0.953 0.963 0.970 0.975	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00	 159.6 155.1 150.8 145.5
13:55 14:05 14:15 14:20 14:25 14:25 14:35 The stabilization observation Thirty in the stabilization observation Thirty in the stabilization of the stabiliza	100 ml	0.40 0.66 0.92 1.06 1.19 1.32 1.45 ach fleid param	19.20 19.21 19.19 19.19 19.20 19.20 19.20 eter (three cons-	12.27 11.92 11.78 11.82 11.99 ecutive readings	7.05 7.08 7.07 7.09 7.08 s contected at 3-1	0.940 0.953 0.963 0.970 0.975 o 5-minuto inten	5 / 3 7 2 2 2 2 0 1 7 1 3 1 3 1 3 2 2 3 2 3 3 3 3 3 3 3 3 3 3	15.40 9.30 5.43 4.00 th column heading.	 159.6 155.1 150.8 145.5
13:55 14:05 14:05 14:15 14:20 14:25 14:35 The stabilization observation Third Final SAMPLE DES	100 ml	0.40 0.66 0.92 1.06 1.19 1.32 1.45 ach fleid param METHOD DES 2.19 ht Cleary	19.20 19.21 19.19 19.19 19.20 19.20 19.20 eter (three cons-	12.27 11.92 11.78 11.82 11.99 ecutive readings	7.05 7.08 7.07 7.09 7.08 s contected at 3-1	0.940 0.953 0.963 0.970 0.975 o 5-minuto inten	51 37 22 20 17 13 13	15.40 9.30 5.43 4.00 th column heading.	 159-6 155-1 150.8 145-5

Wall No.	GM	AI	-1	3
Well No.		· / I		

The state of the s

Site Name GE Piths field GMA-1
Sampling Personnel GAR Date 10/12/07 Weather Overcust, windy, 500F

1	ATION - See P	Total	Water	Temp.	рН	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
Ylme	Rate	Gallons	Level	(Ceisius)	10.4	(3%)*	110% or 1 NTUI*	[10% or 0.1 mg/l]*	[10 mV]*
11110	(Umin.)	Removed	(ft fic)	[3%]*	[0.1 units]*	0.982	10	3.13	137 7
4:40	100 MI	1.59	19-20	11.91	ļ	0.986	9	2.78	135.2
4:45	100 ml	1-72	19.19	11.94	7.06	0.990	8	2.02	132.5
4.50	100ml	1-85	19.20	12.04	7.07	0.993	C	1.71	130.9
14:55	100ml	1.98	19.19	12.05	7.10	0.713	8	1.64	129.6
5.00	100 ml	2.11	19-21	12.15	7.09		7	1.62	128.4
15.02	100ml	2.25	19.19	12.09	7.08	1.000		7.9	1
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to interpreted in each column reading.	
the condings collected at 3- to 5-minute intervals) is issued in second	
* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is fisted in each column reading.	
• The etablication criteria for each ficial parameter (***	
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OBSERVATIONS/SAMPLING METHOD DEVIATIONS	~~
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Welf No.	- GM	91-18		SI	be/GMA Name	一位比	ithshield	11714		
Key No.				Sampli	ing Personnel	LIC HO	12			
PID Bac	kground (ppm)	***************************************			Date	101224	07			
Well He	adapaco (ppm)	,. .			Weather	, , ,	603 50	2004 -		
WELL INFOR	MATION						Sample Time	-G+45	1624	2
Referenc	se Point Marked?	YN					Sample ID	-60	A1-15	>
Height of	Reference Poin		Meas. From	·	_		Ouplicate ID	***************************************		
	Well Diameter	r 73 11		_			MS/MSD			
Scree	en interval Depth	4-14	Meas. From	Grand	-		Split Sample ID			
W	ater Table Depth		Meas. From		-					
	Well Depth	1456	Meas, From	TIL	-	Required	Analytical	Parameters:	Collected	i
•	of Water Column		٠				-	(Std. list)	()	
Volume	of Water in Wei	1 <u>0.79 ge</u>	llow	<u> </u>		()		(Exp. list)	()	
Intake Depth	of Pump/Tubing	10.5	. Meas. From	770	-	()		/OCs	()	
						()		s (Total)	()	
	int Identification:					(X)		Dissolved)	(X)	
	ner (PVC) Casin	=				()		ganics (Total)	()	
	Outer (Protective	i) Casing				()		nics (Dissolved)	()	
Grade/BGS: 0	Ground Surface	•				()	-	de (Dissolved)	()	
	v 🖎					()	•	de (Dissolved)	()	
Redevelop?	A (M)					()		s/PCDFs	(;	
	•					()		s/Herbicides	\$ 1	
						()		Attenuation (Specify)	{ ;	
	INFORMATION					, ,		(-F/)	. ,	
	omp Start Time	1	-				01.445			
	oump Stop Time		-		Evacuation Me	•	-	numb ())		
	utes of Pumping		- 69 8		Peristattic Purn		ibmersible Pump(へんに つろレップ		ectry ()	
	Water Hemoved Jid Well Go Dry?	3-25 91	Vichm		Pump Type:		athod as evacuatio			
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	Water Quality I	Meter Type(s) / S	enal Numbers:	451-5	56 MPs			Turb polin		
	Water Quality I	Meter Type(s) / S	erial Numbers:	751~5°						
Time	Pump	· · · · · · · · · · · · · · · · · · ·			56 MPs	Hach	2100 P	Turbiclin	n e ter	
Time	· · · · · · · · · · · · · · · · · · ·	Total	Water	Temp.	56 MPs	Hack	Z100 P Turbidity (NTU)	Tu-brichn	n e ter	
	Pump Rata	Total Gallons Romoved	Water Lovel (ft TIC)	Temp.	56 MPS	Sp. Cond.	Z100 P Turbidity (NTU)	74-6/6/17 00 (mg/l)	neter ORP (mV)	
1450	Pump Rate (**/_ft:/min.)	Total Gallons Romoved	Water Lovel	Temp.	56 MPS	Sp. Cond.	Z100 P Turbidity (NTU)	74-6/6/17 00 (mg/l)	neter ORP (mV)	
	Pump Rata	Total Gallons Romoved	Water Lovel (ft TIC)	Temp.	56 MPS	Sp. Cond.	Z100 P Turbidity (NTU)	74-6/6/17 00 (mg/l)	ORP (mV).	
1450	Pump Rate (**/_ft:/min.)	Total Gallons Romoved	Water Lovel (ft TIC)	Temp.	56 MPS	Sp. Cond.	Z100 P Turbidity (NTU)	74-6/6/17 00 (mg/l)	0RP (mV) [10 mV]*	٤
1450 1455	Pump Rata (tt/min.)	Total Gallons Romoved O-40 O-40	Water Lovel (ft TIC)	Temp. (Cotsius) (3%)*	pH [0.1 units]*	Hach Sp. Cond. (mS/cm) [3%]	Z/00 P Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV).	٤
1450 1455 1500	Pump Rate (HEmin.) 150	Total Gailons Romoved O-40 O-40 O-73	Water Lovel (ft TIC)	Temp. (Colsius) (3%)*	pH (0.1 units)*	17 ach Sp. Cond. (ins/cm) [3%]*	2/60 P Turbidity (NTU) [10% or 1 NTU)* / 9	DO (mg/l) [10% or 0.1 mg/l]*	0RP (mV) [10 mV]*	٤
1450 1455 1600 1605	Pump Rata (H/min.) ABB 150 100	Total Gailons Romoved 0-40 0-60 0.73 0.86	Water Lovel (ft TIC)	Temp. (Colsius) (3%)*	pH (0.1 units)*	17 ach Sp. Cond. (ins/cm) [3%]*	2/00 P Turbidity (NTU) [10% or 1 NTU]* / 9 / 9 / 9 2 / 4 5	DO (mg/l) [10% or 0.1 mg/l]*	0RP (mV) [10 mV]*	٤
1450 1455 1600 1605 1510	Pump Rate (**IL/min.) 350 150 100 100	Total Gallons Romoved 0-40 0-60 0-73 0-86 0-99	Water Lovel (ft TIC)	Temp. (Colsius) (3%)*	pH (0.1 units)*	17 ach Sp. Cond. (ins/cm) [3%]*	2100 P Turbidity (NTU) (10% or 1 NTU)* 19 192 192 145 87	DO (mg/l) [10% or 0.1 mg/l]*	0RP (mV) [10 mV]*	٤
1450 1455 1600 1605 1510	Pump Rata (M. (E/min.)) 200 150 100 100	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12	Water Lovel (ft TIC)	Temp. (Colsius) (3%)*	pH (0.1 units)*	17 ach Sp. Cond. (ins/cm) [3%]*	2100 P Turbidity (NTU) (10% or 1 NTU)* 19 192 192 145 87	DO (mg/l) [10% or 0.1 mg/l]*	0RP (mV) [10 mV]*	3 7
1450 1455 1500 1505 1510 1512 16 26 1525	Pump Rate (**IL/min.) 150 100 100 100 100 100	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38	Water Lovel (ft TIC)	Temp. (Colsius) (3%)*	7.59 7.60	1.199	2/00 P Turbidity (NTU) [10% or 1 NTU)* / 9 / 9 / 9 Z / 4 S 8 7 2 3 4 8 3 8	76-6/61.2 DO (mg/l) [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 (455 (500 1505 (510 (512 16 26 (525 The stabilizat	Pump Rate (H/min.) ABB 150 100 100 100 100 100 100 1	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38 ach field paramet	Water Lovel (ft TIC) A/A er (three conse	Temp. (Colsius) (3%)*	7.59 7.60	1.199	2100 P Turbidity (NTU) (10% or 1 NTU)* 19 192 192 145 87	76-6/61.2 DO (mg/l) [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 (455 (500 1505 (510 (512 16 26 (525) The stabilization	Pump Rate (H/min.) ABB 150 100 100 100 100 100 100 1	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38	Water Lovel (ft TIC) A/A er (three conse	Temp. (Colsius) (3%)*	7. 59 7. 64 201 collected at 3- to	1.199	2/00 P Turbidity (NTU) [10% or 1 NTU)* / 9 / 9 / 9 Z / 4 S 8 7 2 3 4 8 3 8	76-6/61.2 DO (mg/l) [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 (455 (500 1505 (510 (512 16 26 (525) The stabilization	Pump Rate (H/min.) ABB 150 100 100 100 100 100 100 1	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38 ach field paramet	Water Lovel (ft TIC) A/A er (three conse	Temp. (Colsius) (3%)*	7. 59 7. 64 2016 collected at 3- to	1.2/3 1.199 1.163	2/00 P Turbidity (NTU) [10% or 1 NTU)* / 9 / 9 / 9 Z / 4 S 8 7 2 3 4 8 3 8	76-6/61.2 DO (mg/l) [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 (455 (500 1505 (510 (512 16 26 (525) The stabilization	Pump Rate (H/min.) ABB 150 100 100 100 100 100 100 1	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38 ach field paramet	Water Lovel (ft TIC) A/A er (three conse	Temp. (Colsius) (3%)*	7. 59 7. 64 2016 collected at 3- to	1.199	2/00 P Turbidity (NTU) [10% or 1 NTU)* / 9 / 9 / 9 Z / 4 S 8 7 2 3 4 8 3 8	76-6/61.2 DO (mg/l) [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 1455 1500 1505 1512 1512 1525 The stabilizat OBSERVATIO & Cistor Count	Pump Rate (tt/min.) 150 100 100 100 100 100 100 100 100 10	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38 ach field paramet	Water Lovel (ft TIC) A/A er (three conse	Temp. (Colsius) (3%)*	7. 59 7. 64 2016 collected at 3- to	1.2/3 1.199 1.163	2/00 P Turbidity (NTU) [10% or 1 NTU)* / 9 / 9 / 9 Z / 4 S 8 7 2 3 4 8 3 8	76-6/61.2 DO (mg/l) [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 1500 1500 1505 1510 1512 1525 The stabilizat OBSERVATIO A CISPO Cun 1	Pump Rate (Himin.) 150 100 100 100 100 100 100 100 100 10	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38 ach field paramet	Water Lovel (ft TIC) A/A er (three conse	Temp. (Colsius) (3%)*	7. 59 7. 64 2016 collected at 3- to	1.2/3 1.199 1.163	2/00 P Turbidity (NTU) [10% or 1 NTU)* / 9 / 9 / 9 Z / 4 S 8 7 2 3 4 8 3 8	76-6/61.2 DO (mg/l) [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 1500 1500 1505 1510 1512 1525 The stabilized OBSERVATIO TO SAMPLE DES Laboratory	Pump Rate (H/min.) 356 150 100 100 100 100 100 100 1	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38 ach field paramet	Water Lovel (ft TIC) A/A er (three conse	Temp. (Coisius) (3%)*	7. 59 7. 64 2016 collected at 3- to	1.2/3 1.199 1.163	Turbidity (NTU) [10% or 1 NTU] 19 192 145 87 45 38 als) is listed in each	70.6 /61.70 DO [mg/l] [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 1500 1500 1505 1510 1512 1525 The stabilized OBSERVATIO A CISSIO Com 1	Pump Rate (tt/min.) 150 100 100 100 100 100 100 10	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38 ach field paramet	Water Lovel (ft TIC) A/A er (three conse	Temp. (Coisius) (3%)	7.59 7.64 20lected at 3- to 26	1.2/3 1.199 1.163	Turbidity (NTU) (10% or 1 NTU) 19 192 145 314 418 38 als) is listed in each	70.6 /61.70 DO [mg/l] [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7
1450 1500 1500 1505 1510 1512 1525 The stabilized OBSERVATIO TO SAMPLE DES Laboratory	Pump Rate (tt/min.) 150 100 100 100 100 100 100 10	Total Gailons Romoved 0-40 0-60 0-73 0-86 0-99 1-12 1-25 1-38 ach field paramet	Water Lovel (ft TIC) A/A er (three conse	Temp. (Coisius) (3%)	7.59 7.64 20lected at 3- to 26	1.2/3 1.199 1.163	Turbidity (NTU) (10% or 1 NTU) 19 192 145 314 418 38 als) is listed in each	76-6/61.2 DO (mg/l) [10% or 0.1 mg/l]* 14.14 14.33	ORP (mV) [10 mV] /27.2 /318	3 7

PAGE ZOF Z

GROUNDWATER SAMPLING LOG

Well No.	GMAI-18	Sito/GMA Nama	GEPHSREID/GMAI
		Sampling Personnel	KLC/MMR
		Date	10/22/07
		Weather	SUMMU 605

WELL INFORMATION - See Page 1

Tima	Pump Rate	Total Gallons	Water Level	Temp. (Celsius)	рН	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
	(L/min.)	Removed	(n TIC)	(3%)*	(0.1 units)*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]*
1530	100	1-51	NA_	18,90	7,68	1.158	26	11.22	68.5
1535	100	1-64		18.81	7.80	1155	24	10.65	63.5
1540	100	1.77		18.63	7.85	1,150	18	6.87	6.3
1545	100	1-90		18,52	7.87	1.148	1.3	658	-10,7
1550	100	2.03		18.75	7.87	1.140	11	5,97	-ao.1
1555	100	2-16		1897	7.86	1.148	9	5.84	-24.3
1600	100	2-29		19.07	7.85	1.149	7	5.83	-27.0
1605	100	2.42		18.58	7.35	1.148	5	6.30	-21.3
1610	100	2.55		18.37	7.87	1.150	4	5,92	-28.4
16 2015	100	2.68		1862	86391	1.152	.3	5.78	-29.3
1620	100	2.81	4	18.62	7.93	1.152	4	5.74	30.3
1625	1	San	splea	((()	625-5				
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	*The stabilizati	on criteria for e	ach field parame	er (three conse	cutive readings o	collected at 3- to	5-minute interva	ıls) is listed in each	column heading.	
	OBSERVATION	NS/SAMPLING	METHOD DEVI	ATIONS	957	,			na principal de la companya de la c	······································
′	<i></i>	COJAKI I	7 Call Lillar						······································	

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+	+ - C	MA1-2	5			10///N	> 1 / 1 - / -		
Well No.	160	m		Sampling Pe		, ,	07		
Key No.					Date	10/18/ OVECCES		= · 5/	t breeze
PID Backgro					Woather			,	
Well Heads	ace (ppm)					5	Sample Time	4 <u>5</u> 5	
MCODIEAT	ON					·	∩ I ∩ / ∧	MA 1 - C	5
WELL INFORMAT	iot Marked?	Y N .					Duplicate ID 21	MAI - DO	17-2
Reference Po	una sea Roint	W N	leas. From				MS/MSD		
Height of Ref	erence Font	211				Si	olit Sample iD		
۷۱	terval Depth _	5-15-1 N	Aeas, From 💪	round		O,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Screen	Table Depth	1 110	Aeas, From T.	76	i	Required	Analytical Pag	ameters:	Collected
/ Water	Well Depth Z	7.18	Meas. From	TC	,	()	VOCs (Std	l. list)	(6)
) anoth of M	Josef Column .	3.10				()	VOCs (Ex	p. list)	(,)
Volume of	Water in Well	2.51 gull	۶ ۰ م	T		(x)	SVOC	s	(A)
Intake Depth of	Pump/Tubing	3	Meas. From	170		()	PC8s (To	otal)	()
make Bepar of						(x)	PC8s (Diss		(Z)
Reference Point	dentification:					()	Metals/Inorgar		()
TIC: Top of Inne	(PVC) Casing					()	Metals/Inorganic	s (Dissolved)	()
TOC: Top of Oul	er (Protective) C	asing				()	EPA Cyanide	(Dissolved)	()
Grade/BGS; Gro	und Surface					()	PAC Cyanide		()
GlauGDOS,	~					()	PCDDs/f		()
Redavelop?	y (N)					()	Pesticides/f		()
11000000	•					()	Naturai Att		()
						()	Other (S	pecify)	()
EVACUATION !	NFORMATION	1250							,
Pu	ımp Start Time	75 30		E	Evacuation Meth	od: Bailer () Biadder Pu		ењ ()
Pi	ımp Stop Time	15 /0			· · · · · · · · · · · · · · · · · ·	A Sub	mersible Pump (,	Say ()
Minu	tes of Pumping	80		ļ.	omp Type: _	900000	ηρ Z hod as evacuation	7 Y N (speci	h/\
Volume of V	/ater Removed	4.25gal	.00.0	:	Samples collecte	ed by same met	hod as evacuation	? Y N (speci	117
กเ	d Well Go Dry?	Y (3)							
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	AND AND CHARLET	, -					2100P T	while du	te-
	Water Quality M	, -		YS1-55	6 MPJ	Hach :	2100P Tu	00	ORP
	Water Quality M	, -				Hach :	Turbidity (NTU)	v Lidine	ORP (mV)
	Water Quality M	teter Type(s) / Se	erial Numbers:	Y5/- 55 Temp. (Colsius)	pH	Hech: Sp.Cond. (mS/cm)	Z <i>IDDP T</i> L Turbidity (NTU)	00 (mg/l)	ORP (mV)
Tima	Water Quality M Pump Rato	teter Type(s) / Se	erial Numbers:	V5/-55	6 MPJ	Hach :	2/00 P Turbidity (NTU) [10% or 1 NTU]*	00 (mg/l)	ORP (mV)
Timo	Water Quality M Pump Rato M (Limin.)	Total Gallons Removed	erial Numbers: Water Level	Y5/- 55 Temp. (Colsius)	pH	Hech: Sp.Cond. (mS/cm)	Z <i>IDDP T</i> L Turbidity (NTU)	DO (ma/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
	Water Quality M Pump Rate M(Limin.)	Total Gallons Removed	erial Numbers: Water Level	Y5/- 55 (Temp. (Colsius) [3%]*	pH	Hech: Sp.Cond. (mS/cm)	Turbidity (NTU) [10% or 1 NTU] 3 & 34	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) 100 mV)'
Timo	Water Quality M Pump Rato M (Limin.)	Total Gallons Removed	Water Level (ft TIC)	Y5/- 55(Temp. (Coleius) [3%]*	pH [0.1 units]*	Herch : Sp., Cond. (mS/cm) [3%]*	2/00 P Turbidity (NTU) [10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l] [2.45] [6.93]	ORP (mV) [10 mV]*
Timo	Water Quality M Pump Rate M(Limin.)	Total Gallons Removed Arikal Co.25	Water Level (ff TIC) 14.11 14.12 14.12	Y51-55 Temp. (Colsius) [3%]*	pH [0.1 units]* [0.58] [1], U9	Hach: Sp.Cond. (mS/cm) [3%]* 0.616 0.609	Turbidity (NTU) [10% or 1 NTU] 3 & 34	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) 100 mV)'
Timo	Water Quality N Pump Rate M(Limin.) 200	Total Gallons Removed	Water Level (ff TIC) 14, 11 14, 12 14, 12 13, 26	75/- 55 Temp. (Coleius) [3%]* 13_82 12,27 14.12	pH [0.1 units]* [0.58] [1.09] [1.03]	Hech: Sp., Cond. (mS/cm) [3%]* 0.616 0.609 0.607	Turbidity (NTU) [10% or 1 NTU] 3 8 34 9	DO (ma/l) [10% or 0.1 mg/l] 2.45 6.93 0.77	ORP (mV) [10 mV]. -86.9
1355 1400 1405 1410	Pump Rato M(Limin.) 200 200 200	Total Gallons Removed Arikal Co.25	Water Level (ff TIC) 14.11 14.12 14.12	751-55 Temp. (Colsius) [3%]* 13_8\$ 13_8\$ 13_27 14.12 13,52	pH [0.1 units]* [0.58] [1.09] [1.03] [0.69]	Hach: Sp. Cond. (mS/cm) [3%]* 0.6/6 0.607 0.607	Turbidity (NTU) [10% or 1 NTU] 3 & 34 534 534 64 74 7	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73	ORP (mV) 10 mV! - 86.9 - 86.8
1355 400 405 410 415	Water Quality N Pump Rate M(Limin.) 200 200	Total Gallons Removed Lo. 25 0.25 1.00	Water Level (ff TIC) 14, 11 14, 12 14, 12 13, 26	YS/- SS(Temp. (Coleius) [3%]* 13_8\frac{2}{3} 12_27 14.12 13_5\frac{2}{3} 13_5\frac{5}{5}	pH [0.1 units]* 10.58 11.09 11.03 10.69 10.69	Hech: Sp., Cond. (mS/cm) [3%]* 0.616 0.607 0.607 0.607	Turbidity (NTU) [10% or 1 NTU] 3 8 34 9	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70	ORP (mV) [10 mV]* - 86.9 - 86.8 - 80.2
1355 1400 1405 1410 1415 1420	Water Quality N Pump Rate M(Limin.) 200 200 200 200 200	Total Gallons Removed Arikal Co.25 Co.25 L.00	Water Level (ff TIC) 14.12 14.12 14.12 14.12	751-55 Temp. (Colsius) [3%]* 13_8\$ 13_8\$ 13_27 14.12 13,52	pH [0.1 units]* [0.58] [1.09] [1.03] [0.69]	Hach: Sp. Good. (mS/cm) [3%]* 0.6/6 0.607 0.607 0.607	Turbidity (NTU) [10% or 1 NTU] 3 & 34 534 534 64 74 7	DO (mall) [10% or 0.1 mg/l] 2.45 6.93 6.77 73 73 70 73	ORP (mV) [10 mV]. - 86.9 - 86.8 - 90.2 - 74.0 - 85.5
1355 1400 1405 1410 1415 1420 1425	Pump Rate M(Limin.) 200 200 200 200 200 200	Total Gallons Removed Lo.25 1.00 1.50 2.50	Water Level (ff TIC) 4	Temp. (Colsius) [3%]* 13.82 12.27 14.12 13.52 13.53	pH [0.1 units]* [0.58] [1.09] [1.03] [0.69] [0.84] [0.83]	Hech: Sp., Cond. (mS/cm) (3%)* 0.616 0.609 0.607 0.607	Turbidity (NTU) [10% or 1 NTU] 3 & 34 34 34 9 7 6	DO (mall) [10% or 0.1 mg/] 2.45 0.93 0.77 0.73 0.70 0.64 0.62	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 80.5 - 79.4
1355 1400 1405 1410 1415 1420 1425	Pump Rate M(Limin.) 200 200 200 200 200 200	Total Gallons Removed Lo.25 1.00 1.50 2.50	Water Lovol (ff TIC) 4	Temp. (Colsius) [3%]* 13_82 12,27 14.12 13,52 13.53 13.45	pH [0.1 units]* 10.58 11.09 11.03 10.84 10.83 10.83	Hech: Sp., Cond. (mS/cm) (3%)* 0.616 0.609 0.607 0.607 0.608	Turbidity (NTU) [10% or 1 NTU] 3 & 34 93 4 44 9 9 7 A 6	DO (mg/l) [10% or 0.1 mg/l] 2.45 6.93 0.77 0.75 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 80.5 - 79.4
1355 400 405 410 415 420 425 436	Pump Rate M(Limin.) 200 200 200 200 200 200 200 200 200 20	Total Gailons Removed Arikal Co.25 Co.25 I.00 I.50 2.00 2.50 3.00 each field param	Water Level (ft TIC) 4	Temp. (Golsius) [3%]* 13_8\$ 13_8\$ 13_57 13_55 13_55 13_55 13_58 13_45 secutive readings	pH [0.1 units]* 10.58 11.09 11.03 10.84 10.83 10.89 10.89	Hach: Sp. Good. (mS/cm) [3%]* 0.6/6 0.607 0.607 0.608 0.608 0.5-minute inter	Turbidity (NTU) [10% or 1 NTU] 3 & 4 9 7 A 6 Vals) is listed in ear 4 //cd a f	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4
1355 400 405 410 415 420 425 436	Pump Rate M(Limin.) 200 200 200 200 200 200 200 200 200 20	Total Gailons Removed Arikal Co.25 Co.25 I.00 I.50 2.00 2.50 3.00 each field param	Water Level (ft TIC) 4	Temp. (Golsius) [3%]* 13_8\$ 13_8\$ 13_57 13_55 13_55 13_55 13_58 13_45 secutive readings	pH [0.1 units]* 10.58 11.09 11.03 10.84 10.83 10.89 10.89	Hach: Sp. Good. (mS/cm) [3%]* 0.6/6 0.607 0.607 0.608 0.608 0.5-minute inter	Turbidity (NTU) [10% or 1 NTU] 3 & 4 9 7 A 6 Vals) is listed in ear 4 //cd a f	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 80.5 - 79.4
1355 400 405 410 415 420 425 436	Water Quality N Pump Rate M(Limin.) 200 200 200 200 200 200 200 Cation criteria for	Total Gallons Removed A 1 6 0 A 2 5 0 A 3 00 Back field param G METHOD DE	Water Lovol (ft TIC) 4	Temp. (Coleius) [3%]* 13_8\frac{2}{3} 13_5\frac{2}{3} 13_5\frac{5}{3} 13_5\frac{5}{3} 13_6\frac{5}{3} 13_6\frac{1}{3} pH [0.1 units]* [0.58] [1.09] [1.03] [0.84] [0.83] [0.84] [0.83] [0.84] [0.84] [0.84] [0.84]	Hech: Sp., Cond. (mS/cm) (3%)* 0.616 0.607 0.607 0.607 0.608 0.608 0.608 0.608	Turbidity (NTU) [10% or 1 NTU] 3 & 34 93 4 44 9 9 7 A 6	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4	
1355 400 405 410 415 420 425 436	Water Quality N Pump Rate M(Limin.) 200 200 200 200 200 200 200 Cation criteria for	Total Gallons Removed Laikel Co.25 Co.25 L.00 L.50 2.00 2.50 3.00 each field param GMETHOD DE be lower y fomper	Water Level (ft TIC) 14.12 13.26 14.12 14.12 14.12 14.12 14.12 viations (c.d. iots.	Temp. (Coleius) [3%]* 13_82 12_27 14.12 13.52 13.55 13.45 secutive readings D w= 11 column	pH [0.1 units] [0.58 [1.09 [1.03 [0.84 [0.83 [0.89 [amage day peris. to spice	Hach: Sp., Cond. (mS/cm) (3%)* 0.616 0.607 0.607 0.607 0.608 0.507 0.608 0.608 0.608 0.608	Turbidity (NTU) [10% or 1 NTU] 3 & 34 934 74 9 6 74 6 Vals) is listed in ear 1/1/24 af	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4
1355 400 405 410 415 420 425 436	Water Quality N Pump Rate M(Limin.) 200 200 200 200 200 200 200 Cation criteria for	Total Gallons Removed Laikel Co.25 Co.25 L.00 L.50 2.00 2.50 3.00 each field param GMETHOD DE be lower y fomper	Water Lovol (ft TIC) 4	Temp. (Coleius) [3%]* 13_82 12_27 14.12 13.52 13.55 13.45 secutive readings D w= 11 column	pH [0.1 units]* [0.58] [1.09] [1.03] [0.84] [0.83] [0.84] [0.83] [0.84] [0.84] [0.84] [0.84]	Hach: Sp., Cond. (mS/cm) (3%)* 0.616 0.607 0.607 0.607 0.608 0.507 0.608 0.608 0.608 0.608	Turbidity (NTU) [10% or 1 NTU] 3 & 34 934 74 9 6 74 6 Vals) is listed in ear 1/1/24 af	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4
Time 1355 1400 1405 1410 1415 1420 1425 1430 • The stability OBSERVAT Pump cell pH.	Pump Rate M(Limin.) 200 200 200 200 200 200 200 ation criteria for IONS/SAMPLIN cannot affective	Total Gallons Removed Lo. 25 1.00 1.50 2.00 2.00 2.00 GMETHOD DE Se lower 1.40 1	Water Level (ft TIC) 14.12 13.26 14.12 14.12 14.12 14.12 14.12 viations (c.d. iots.	Temp. (Coleius) [3%]* 13_82 12_27 14.12 13.52 13.55 13.45 secutive readings D w= 11 column	pH [0.1 units] [0.58 [1.09 [1.03 [0.84 [0.83 [0.89 [amage day peris. to spice	Hach: Sp., Cond. (mS/cm) (3%)* 0.616 0.607 0.607 0.607 0.608 0.507 0.608 0.608 0.608 0.608	Turbidity (NTU) [10% or 1 NTU] 3 & 34 934 74 9 6 74 6 Vals) is listed in ear 1/1/24 af	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4
Time 1355 1400 1405 1410 1415 1420 1425 1430 • The stability OBSERVAT Cumpleted PH. SAMPLED	Pump Rate M(Limin.) 200 200 200 200 200 200 200 attion criteria for IONS/SAMPLIN canot affective Checket	Total Gallons Removed Lo. 25 1.00 1.50 2.00 2.00 2.00 GMETHOD DE Se lower 1.40 1	Water Level (ft TIC) 14.12 13.26 14.12 14.12 14.12 14.12 14.12 viations (c.d. iots.	Temp. (Coleius) [3%]* 13_82 12_27 14.12 13.52 13.55 13.45 secutive readings D w= 11 column	pH [0.1 units] [0.58 [1.09 [1.03 [0.84 [0.83 [0.89 [amage day peris. to spice	Hach: Sp., Cond. (mS/cm) (3%)* 0.616 0.607 0.607 0.607 0.608 0.507 0.608 0.608 0.608 0.608	Turbidity (NTU) [10% or 1 NTU] 3 & 34 934 74 9 6 74 6 Vals) is listed in ear 1/1/24 af	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4
Time 1355 1400 1405 1410 1415 1420 1425 1430 • The stability OBSERVAT Cump cell pH sample D Laborat	Pump Rate M(Limin.) 200 200 200 200 200 200 200 attion criteria for IONS/SAMPLIN canot affective Checket	Total Gallons Removed Lo. 25 1.00 1.50 2.00 2.00 2.00 GMETHOD DE Se lower 1.40 1	Water Level (ft TIC) 14.12 13.26 14.12 14.12 14.12 14.12 14.12 viations (c.d. iots.	Temp. (Coleius) [3%]* 13_82 12_27 14.12 13.52 13.55 13.45 secutive readings D w= 11 column	pH [0.1 units] [0.58 [1.09 [1.03 [0.84 [0.83 [0.89 [amage day peris. to spice	Hach: Sp., Cond. (mS/cm) (3%)* 0.616 0.607 0.607 0.607 0.608 0.507 0.608 0.608 0.608 0.608	Turbidity (NTU) [10% or 1 NTU] 3 & 34 934 74 9 6 74 6 Vals) is listed in ear 1/1/24 af	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4
Time 1355 1400 1405 1410 1415 1420 1425 1430 • The stability OBSERVAT Cump cell pH sample D Laborat	Pump Rate M(Limin.) 200 200 200 200 200 200 200 attion criteria for IONS/SAMPLIN canot affective Checket	Total Gallons Removed Lo. 25 1.00 1.50 2.00 2.00 2.00 GMETHOD DE Se lower 1.40 1	Water Level (ft TIC) 14.12 13.26 14.12 14.12 14.12 14.12 14.12 viations (c.d. iots.	Temp. (Coleius) [3%]* 13_82 12_27 14.12 13.52 13.55 13.45 secutive readings D w= 11 column	pH [0.1 units]* 10.58 11.09 11.03 10.89 10.89 10.89 collected at 3-1 lamage delight paris, facilities becaution	Hach: Sp. Gond. (mS/cm) [3%]* 0.616 0.607 0.607 0.608 0.608 0.507 0.608 10.608 10.608 10.608 10.608	Turbidity (NTU) [10% or 1 NTU] 3 & 4 9 7 A 6 Vals) is listed in ear 6 // cd af 8 sun (sy af	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4
1355 1400 1405 1410 1415 1420 1425 1430 • The stability OBSERVAT Cell pH Laborat Delivered	Pump Rate M(Limin.) 200 200 200 200 200 200 200 attion criteria for IONS/SAMPLIN canot affective Checket	Total Gallons Removed Lo. 25 1.00 1.50 2.00 2.00 2.00 GMETHOD DE Se lower 1.40 1	Water Level (ft TIC) 14.12 13.26 14.12 14.12 14.12 14.12 14.12 viations (c.d. iots.	Temp. (Coleius) [3%]* 13_82 12_27 14.12 13.52 13.55 13.45 secutive readings D w= 11 column	pH [0.1 units]* 10.58 11.09 11.03 10.89 10.89 10.89 collected at 3-1 lamage delight paris, facilities becaution	Hach: Sp., Cond. (mS/cm) (3%)* 0.616 0.607 0.607 0.607 0.608 0.507 0.608 0.608 0.608 0.608	Turbidity (NTU) [10% or 1 NTU] 3 & 4 9 7 A 6 Vals) is listed in ear 6 // cd af 8 sun (sy af	DO (mg/l) [10% or 0.1 mg/l] 2.45 0.93 0.77 0.73 0.70 0.64 0.62 ch column heading	ORP (mV) [10 mV]. - 86.9 - 86.8 - 80.2 - 74.0 - 85.5 - 20.5 - 79.4

Sample Description Sampling Personnel Sampling Personnel Sample D Sample D Sample Time Sample ID Spit Sample	Inte Refe TIC:	PID Back Well Head Well Head LL INFORM, Reference Height of R Screen Wat Length of Volume of ake Depth of	ground (ppm) dspace (ppm) Point Marked? eference Poin Well Diametei Interval Depti er Table Depti Well Depti Well Optir	3" 4-14'	Meas. From		Date	10/18/0	oth		
Well Headspace (ppm)	Inte Refe TIC:	Well Head LL INFORM. Reference Height of R Screen Wat Length of Volume of	dispace (ppm) ATION Point Marked? eference Poin Well Diamete Interval Depti er Table Depti Well Depti Well Optir Water Column	3" 4-14'	Meas. From			10/18/0 14/14	oid, ovces		
WELL INFORMATION Reference Point Marked? Y N Height of Reference Point Marked? Y N Meas. From Sample ID CMA - 3.7	Inte Refe TIC:	LL INFORM, Reference Height of R Screen Wat Length of Volume o ake Depth o	ATION Point Marked's eference Poin Well Diamete Interval Depti er Table Depti Well Depti Well Depti	2" 2" 4-14" 4,78	Meas. From		Weather	HIN	210, 010		
Reference Point Meas. From Well Diameter 2	Inte Refe TIC:	Reference Height of R Screen Wat Length of Volume o ake Depth o	Point Marked? eference Poin Well Diameter Interval Depth er Table Depth Well Depth Water Column	2" 4-14' 4.70	_					rccost Col	0"
Height of Reference Point Well Diameter 2	Refe TIC:	Height of R Screen Wat Length of Volume o ake Depth o	eference Poin Well Diametei Interval Depth er Table Depth Well Depth Water Column	2" 4-14' 4.70	_	***************************************			Sample Time	15:15	
Screen Interval Depth 4-14 Meas, From Tele Split Sample ID Split ID	Refe TIC:	Screen Wat Length of Volume o ake Depth o	Well Diametel Interval Depther Table Depth Well Depth Water Column	2" 4-14" 4,78	_						7
Meas	Refe TIC:	Wat Length of Volume o ake Depth o	Interval Depther Table Depth Well Depth Water Column	4-141	_				Duplicate ID		
Water Table Depth 47	Refe TIC:	Wat Length of Volume o ake Depth o	er Table Depth Well Depth Water Column	4,70	Meas, From				MS/MSD	67MA1-27	-/MS//
Well Cepth Meas. From Tis Required Analytical Parameters: Collected	Refe TIC:	Length of Volume o ake Depth o	Well Depth Water Column			Ground	_		Split Sample ID		7 - 7 -
Length of Water Column 6.67	Refe TIC:	Volume o ake Depth o	Water Colums	31 11/			•				
Volume of Water in Well	Refe TIC:	Volume o ake Depth o			Meas. From	Tic	≣'	- 1	Analytical	Parameters:	
Intake Depth of Pump/Tubing	Refe TIC:	ake Depth o	f Water in Wel		. .			(X)	VOCs	(Std. list)	(%)
PCBs (Total) (Refe TIC:										()
Reference Point Identification:	TIC:	erence Point	f Pump/Tubing	1010	_ Meas. From	16		•			() ,
Tic: Top of Inner (PVC) Casing	TIC:	trio Point								-	()
TOC: Top of Outer (Protective) Casing								•	•		(X)
Separation Sep	100										()
PAC Cyanide (Dissolved) PCDDs/PCDFs PCDDs/PCDS/PCDFs PCDDs/PCDFs PCDDs/PCDFs				Casing							()
Composition	Grac	ueibūs, Gi	ound Surface						•		()
Pesticides/Herbicides Natural Attenuation Natural Attenuatio	Red	evelon?	(N)								()
EVACUATION INFORMATION Pump Start Time			. 0								()
EVACUATION INFORMATION Pump Start Time								· ·			()
EVACUATION INFORMATION											()
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		· · · · · · · · · · · · · · · · · · ·			1	}	»MPs	Hach Z	100P Tu.	-bidinote-	<u></u>
1555 450 0.59			Pump	Total	Water	Temp.	»MPs	Hach Z Sp. Cond.	100P 7n	-bidinete-	ORP
HOD 250 0.92 608 1410 200 1.18 9.89 29.3 17.5 1 1.44 9.82 103			Pump Rate	Total Gallons	Water Level	Temp. (Celsius)	pH	Hach Z Sp. Cond. (mS/cm)	100P 7h	-bidin ete- DO (mg/l)	ORP (mV)
1410 200 1.18 9.89 29.3 1415 1.44 9.82 103		Time	Pump Rate (L/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius)	o MPS →pH [0.1 units]*	Hach Z Sp. Cond. (mS/cm) [3%]*	100P 7h	-bidin ete- DO (mg/l)	ORP (mV) [10 mV)*
1415 1.44 9.82 103		Time	Pump Rate (L/min.)	Total Gallons Removed 0.59	Water Level (ft TIC)	Temp. (Celsius)	o MPS →pH [0.1 units]*	Hach 2 Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]	-bidin ete- DO (mg/l)	ORP (mV) [10 mV]*
	00 15 05 He	Time	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92	Water Level (ft TIC)	Temp. (Celsius)	pH [0.1 units]*	Hach 2 Sp. Cond. (mS/em) {3% *	Turbidity (NTU) [10% or 1 NTU]*	-bidin ete- DO (mg/l)	ORP (mV) [10 mV]*
	00 15	Time	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92	Water Level (ft TIC)	Temp. (Celsius)	pH [0.1 units]*	Hach 2 Sp. Cond. (mS/em) {3% *	Turbidity (NTU) (10% or 1 NTU)	-bidin ete- DO (mg/l)	ORP (mV) [10 mV]*
	00 15 05 He 19	Time 555	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92. 1.18	Water Level (ft TIC) ————————————————————————————————————	Temp. (Celsius)	- ρH [0.1 units]*	Hach 2 Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) (10% or 1 NTU) 608 29.3 103	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV)*
	00 15 05 He 19	Time 555	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92	Water Level (ft TIC) ————————————————————————————————————	Temp. (Celsius)	- ρH [0.1 units]*	Hach 2 Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) (10% or 1 NTU)	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV)*
1425 1 1.96 9.80 14.28 7.62 0.735 41 14.06 -827	00 <u>15</u> 05 Htt 14	Time 555	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92 1.18 1.44	Water Level (ft TIC) ————————————————————————————————————	Temp. (Celsius)	- ρH [0.1 units]*	Hach 2 Sp. Cond. (mS/em) [3%]*	Turbidity (NTU) (10% or 1 NTU) 608 29.3 103	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV)*
1430 1.96 9.80 14.28 7.62 0.735 41 14.06 -827 1430 2.22 9.80 14.03 7.72 0.730 35 11.67 -76.5	00 <u>14</u> 05 Htt 14	Time 555	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92. 1.18 1.44 1.70 1.96	Water Level (ft TIC) 	Temp. (Celsius)	pH [0.1 units]*	Hach 2 Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) (10% or 1 NTU) 608 29.3 103	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV)*
		· · · · · · · · · · · · · · · · · · ·			1	}	»MPs	Hach Z	100P Tu.	-bidinote-	
	19 19 19	Time 555	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92 1.18 1.44	Water Level (ft TIC) ————————————————————————————————————	Temp. (Celsius)	- ρH [0.1 units]*	Hach 2 Sp. Cond. (mS/em) [3%]*	Turbidity (NTU) (10% or 1 NTU) 608 29.3 103	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV)*
1425 1 1.96 9.80 14.28 7.62 0.735 41 14.06 -827	00 15 15 He 151 151	Time 555	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92 1.18 1.44	Water Level (ft TIC) ————————————————————————————————————	Temp. (Celsius)	- ρH [0.1 units]*	Hach 2 Sp. Cond. (mS/em) [3%]*	Turbidity (NTU) (10% or 1 NTU) 608 29.3 103	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV)*
	00 15 05 He 19	Time 555	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92. 1.18 1.44 1.70 1.96	Water Level (ft TIC) 	Temp. (Celsius)	pH [0.1 units]*	Hach 2 Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) (10% or 1 NTU) 608 29.3 103	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV)*
	00 <u>14</u> 05 Htt 14	Time 555	Pump Rate (L/min.) 450 250	Total Gallons Removed 0.59 0.92 1.18 1.44 1.70 1.96 2.22	Water Level (ft TIC) 9.89 9.82 9.80 9.80	Temp. (Colsius) [3%]*	(0.1 units)*	Hach 2 Sp. Cond. (mS/cm) (3%)*	Turbidity (NTU) [10% of 1 NTU]* 608 A9.3 103 56 41 35	DO (mg/l) (10% or 0.1 mg/l)	ORP (mV) [10 mV)*

Well No. GMAI-27	Site/GMA Name	GG PHSREID/GMA)
***************************************	Sampling Personnel	KIC .
	Date	10/18/07
	Weather	Hamid/overtust 60°

WELL INFORMATION - See Page 1	Ì

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	Pump	Total	Water	Temp.	p∺	Sp. Cond.	Turbidity	DO	ORP
Time	Rate	Gallons Removed	Level (ft TIC)	(Celsius) [3%]*	[0.1 units]*	(mS/cm) (3%)*	(NTU) [10% or 1 NTU]*	(mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*
MAE	(Umin.)	Removed	(IL (IC)	10/0	(U.1 Gillis)	\ \ /	1/	1000010111190	10 1101
VIXX		\times	2170		X	\times			\nearrow
1440	200	2.74	9-80	14.01	7,67	.720	20	3,78	- 7 2
445		3.00	9-80	14.05	7,67	, 717	23	3.60	- }}.
450		3-26	9.80	14.01	7,66	_ 71Z_	18	3.44	-67,6
1455		3-52	9.80	1398	7,60	,70L	19.	45175	-651
1500		3-78	9.80	13:97	7,6Z	,699	18	12.30	-654
1505		4.04	9.80	13.98	7.59	,691	160	2,78	- 67.
1510		4.30	9.80	13.98	7.58	.690	17	2.61	-67,
1515-		S	amp	led	94	1515	4		
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	* The stabilization criteria for ea	ich field parameter (three	e consecutive readings c	ollected at 3- to 5-minute inter	/als) is listed in each col	lumn heading.	
	OBSERVATIONS/SAMPLING	METHOD DEVIATIONS					_
	35 THAT THINKS	-du 2116 1-	- witer	21.25	bolt-tom	= 23.860	
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GAGENGE_PHISBELD_GENERAL_CONFIDENCES SHED PRESENTABONS STOP Update REVOYALANDER OF 2GW Samplormals

AVSI Shot off, Sensor was Starbon 1 Zmg for 10

minutes

Well No	. HR-G:	3-1166	·m/	S	to/GMA Name	- 66 RI	15Rel	1 Caral	
Key No				 Samp	ling Personnel	· RIC		1	
PID Ba	ckground (ppm)	₽ P		- '	Date		10/25/21	7	
Well He	oxdspxco (ppm)	.0		 	Woather	555.	1 10 4		
							٠)٠		
WELL INFOR	!	· ·					Sample Time	***************************************	
	ce Point Marked	C	•		,		Sample ID		23-1-16-
Height o	f Reference Poin Weil Diameter	: ***	_ Meas. From	***************************************					
Scre	en Interval Depti		Waar Emm	Ground			MS/MSD Spiit Sample ID		
	later Table Depth			711			Spirt Sample ID		
,-	Weil Depth			TIC		Required	Analytical	Parameters:	Collected
Longth	of Water Column	2.39'	•		-	()	VOCs	(Stal. list)	()
	e of Water in Wei	****************				(1	' VOCs	(Exp. list)	()
Intake Depth	n of Pump/Tubing	1615	Meas, From	TIL		()	S1	/OCs	()
						()		s (Total)	{ }
	int Identification:	_				(//.)		Dissolved)	(×)
	ner (PVC) Casin Outer (Protective	_				()		ganics (Total) nics (Dissolved)	()
•	Ground Surface	, casing				()	_	de (Dissolved)	()
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Redavelop?	Y (N)					()	PCDD	s/PCDFs	()
						()	Pesticide	s/Herbicides	()
						()	Natural .	Attenuation	()
	INFORMATION					()	Other	(Specify)	()
	Did Well Go Dry?	A (W)			241111111111111111111111111111111111111				W1
	Water Quality M	leter Type(s) / Si	·	Y51-55	pH	Houh Z	thod as evacuation 100 P Zww Turbidity	Sidinstu Do	ORP
Time	· · · · · · · · · · · · · · · · · · ·		Water Level (ft TIC)		·		100P The	silinetu	
Time	Pump Rate (Umin.)	Total Gallons Removed	Water Level (ft TIC)	Tomp. (Colsius)	рН	Sp. Cond.	100 P Two Turbidity (NTU) (10% or 1 NTU)*	5.dinetu 00 (mg/l)	ORP (mV)
Time	Pump Rate	Total Gallons Removed 0.17		Tomp. (Colsius)	pH [0.1 units]*	Sp. Cond.	Turbidity (NTU) (10% or 1 NTU)	5.dinetu 00 (mg/l)	ORP (mV) [10 mV]*
<u> </u>	Pump Rate (Umin.)	Total Gallons Removed 0.17 0.30	Water Level (ft TIC)	Tomp. (Colsius)	pH [0.1 units]*	Sp. Cond.	Turbidity (NTU) (10% or 1 NTUP	5.dinetu 00 (mg/l)	ORP (mV) [10 mV]*
1135 1105 1105 1135	Pump Rate (Umin.)	Total Gallons Removed 0.17	Water Level (ft TIC)	Tomp. (Colsius)	pH (0.1 units)*	Sp. Cond.	Turbidity (NTU) (10% or 1 NTU)	5.dinetu 00 (mg/l)	ORP (mV) [10 mV]*
1115 110.0 110.5 113.5 113.5	Pump Rate (Umin.)	Total Gallons Removed 0.17 0.30 6,43	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Houh 2 Sp. Cond. (mS/cm) (3%)	Turbidity (NTU) (10% or 1 NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1115 1125 1125 1135 1135 1140	Pump Rate (Umin.) 125 166 166 1666 1666 1666	Total Gailtons Removed 0.17 0-30 6.43 0-56	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Gond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU)	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) [10 mV]*
1115 110-0 110-5 113-5 113-5	Pump Rate (Umin.) 12.5 10.6 10.6 10.6	Total Gallone Removed 0.17 0.30 6,43 0.56 0.69	Water Level (ft TIC)	Tomp. (Golaius) [3%]*] [4], 42	(0.1 units)* (c. 1 C. L. C. S.	Hnuh 2 Sp. Gond. (ms/em) (3%)* 1,722 1,723	Turbidity (NTU) (10% or 1 NTU)	5. idimstv DO (mg/l) [10% or 0.1 mg/l]* 3. C. 1 1. U.S. 1. D.U. C.G.7	ORP (mV) [10 mV]*
1115 1125 1125 1135 1135 1140	Pump Rate (Umin.) 125 166 166 1666 1666 1666	Total Gaillons Removed 0.17 0.30 6, 43 0.56 0.69 0.82	Water Level (ft TIC)	Tomp. (Colsius) [3%]* [4] [4] [4] [4] [4] [4] [4] [5] [6]	(0.1 units)* (c. 1 C. L. C. S. L. C. L. C. S. L. C. L. L. C. S. L. C. S. L. C. L. L. C. L	Hnuh 2 "Sp. Gond. "Sp	Turbidity (NTU) (10% or 1 NTU)	5. dissets DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1115 110-0 110-5 113-5 1140 1145 1145	Pump Rate (Umin.) 12.5 16.6 16.6 16.6 16.6 16.6 16.6 16.6 16	Total Gallons Removed 0.17 0.30 6,43 0.56 0.69 0.82 1.02 1.15	Water Level (ft TIC) NA	Tomp. (Golsius) [3%]*] C.J., U.Z. [U.3.7] [U.3.7] [U.3.7] [U.3.7] [U.3.7]	(0.1 units)* (0.1 units)* (c. 1 C. Hach 2 Sp. Good. (ms/cm) (3%) 1,722 1,723 1,769 1,768 1,715.	Turbidity (NTU) (10% or 1 NTU) (247 (247 (247 (247 (247 (247 (247 (247	5.1/15.27v DO (mg/l) [10% or 0.1 mg/l]* 3.0.1 1.45 1.34 0.83	ORP (mV) [10 mV]*	
1115 1125 1125 1135 1140 1145 1150	Pump Rate (Umin.) 12.5 16.6 16.6 16.6 16.6 16.6 16.6 16.6 16	Total Gallons Removed 0.17 0.30 6,43 0.56 0.69 0.82 1.02 1.15 ch field paramete	Water Level (ft TIC) NA	Tomp. (Golsius) [3%]*] C.J., U.Z. [U.3.7] [U.3.7] [U.3.7] [U.3.7] [U.3.7]	(0.1 units)* (0.1 units)* (c. 1 C. Hach 2 Sp. Good. (ms/cm) (3%) 1,722 1,723 1,769 1,768 1,715.	Turbidity (NTU) (10% or 1 NTU) (10%	5.1/15.27v DO (mg/l) [10% or 0.1 mg/l]* 3.0.1 1.45 1.34 0.83	ORP (mV) [10 mV]*	
1115 110-C 110-S 113C 113S 114C 114S	Pump Rate (Umin.) 125 100 100 100 100 100 100 100	Total Gallons Removed 0.17 0.30 6,43 0.56 0.69 0.82 1.02 1.15 ch field paramete	Water Level (ft TIC) NA	Tomp. (Golsius) [3%]*] C.J., U.Z. [U.3.7] [U.3.7] [U.3.7] [U.3.7] [U.3.7]	(0.1 units)* (0.1 units)* (c. 1 C. Hach 2 Sp. Good. (ms/cm) (3%) 1,722 1,723 1,769 1,768 1,715.	Turbidity (NTU) (10% or 1 NTU) (10%	5.1/15.27v DO (mg/l) [10% or 0.1 mg/l]* 3.0.1 1.45 1.34 0.83	ORP (mV) [10 mV]*	
119C 119C 119C 119C 119C 119C 119C 119C	Pump Rate (Umin.) 125 100 100 100 100 100 100 100 100 100 10	Total Gallons Removed 0.17 0.30 6,43 0.56 0.69 0.82 1.02 1.15 ch field paramete	Water Level (ft TIC) NA	Tomp. (Golsius) [3%]*] C.J., U.Z. [U.3.7] [U.3.7] [U.3.7] [U.3.7] [U.3.7]	(0.1 units)* (0.1 units)* (c. 1 C. Hach 2 Sp. Good. (ms/cm) (3%) 1,722 1,723 1,769 1,768 1,715.	Turbidity (NTU) (10% or 1 NTU) (10%	5.1/15.27v DO (mg/l) [10% or 0.1 mg/l]* 3.0.1 1.45 1.34 0.83	ORP (mV) [10 mV]*	
110-5 110-5	Pump Rate (Umin.) 125 100 100 100 100 100 100 100	Total Gallons Removed 0.17 0.30 6,43 0.56 0.69 0.82 1.02 1.15 ch field paramete	Water Level (ft TIC) NA	Tomp. (Golsius) [3%]*] C.J., U.Z. [U.3.7] [U.3.7] [U.3.7] [U.3.7] [U.3.7]	(0.1 units)* (0.1 units)* (c. 1 C. Hach 2 Sp. Good. (ms/cm) (3%) 1,722 1,723 1,769 1,768 1,715.	Turbidity (NTU) (10% or 1 NTU) (10%	5.1/15.27v DO (mg/l) [10% or 0.1 mg/l]* 3.0.1 1.45 1.34 0.83	ORP (mV) [10 mV]*	
119C 119C 119C 119C 119C 119C 119C 119C	Pump Rate (Umin.) 12-5 100 100 100 100 100 100 100 100 100 10	Total Gallons Removed 0.17 0.30 6,43 0.56 0.69 0.82 1.02 1.15 ch field paramete	Water Level (ft TIC) NA	Tomp. (Golsius) [3%]*] C.J., U.Z. [U.3.7] [U.3.7] [U.3.7] [U.3.7] [U.3.7]	(0.1 units)* (0.1 units)* (c. 1 C. Hach 2 Sp. Good. (ms/cm) (3%) 1,722 1,723 1,769 1,768 1,715.	Turbidity (NTU) (10% or 1 NTU) (10%	DO (mg/l) [10% or 0.1 mg/l]* 3.C. 1 11.45 1.24 C. 83 cokumn hoading.	ORP (mV) [10 mV]*	

Well No. 412-693-1-16-1	Site/GMA Name Sampling Personnel Date Weather	

WELL	INFORMATION	- See Page 1

Time	Pump Rate (Ù/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) {10% or 1 NTU]*	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1155	100	7-28	NA	14,47	GCI	1.7億20	3	0.62	×9.5
1200	100	1-41	NA	LINK	6.04	1,730	3	Colol	-565
1305	125	1-58	NA	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	606	1, 7-34	Э	0.55	~×9.8'
1217		Sai	MOLEC	14.41	210				
<u> </u>		2.0		/-	<i>y. y. y. y. y. y. y. y.</i>				•

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

Well No.		٦٠ (١٠٠٤		s	Ite/GMA Name	GE RH	sheld /Ca	MAI	
Key No.				 Same	ing Personnel		113. 17.		······································
PID Bac	kground (ppm)				Date		5/0 t		
	adapaco (ppm)	*******	***************************************		Weather	Suga			·····
	, ,,,			_	7744147	annindhaisig digal			•,
WELL INFOR	MATION						/ Sample Time	1500)
	e Point Marked	YN	. }	1		•	•		
	Reference Poin		Meas, From			,	Sample ID		···
riogin of	Weil Diameter		Weas, From		⊶				
Schaa		·	Meas. From	<i>~</i>)			MS/MSD		
	iter Table Depth						Split Sample ID	***************************************	
445	Well Depth		Heas, From Meas, From		~~	Barrel A			
f enoth o	f Water Column				~	Required		Parameters:	Collected
-	of Water in Wel					()		(Std. list)	()
			Цопт Meas, From	~~/,		()		(Exp. list)	()
шака сери	or resulper doing	277	Meas. From	-776		()		VOCs	()
Deference det						()	PCB	s (Totai)	()
	nt Identification:					(/ ()	PCBs (Dissolved)	(4)
	ter (PVC) Casin	-				()		rganics (Total)	(1)
	utor (Protective) Casing				()	Metals/Inorga	nics (Dissolved)	()
Grade/BGS: G	round Surface	•				()	EPA Cyani	de (Dissolved)	()
a	🗀					()	PAC Cyani	de (Dissolved)	()
Redevalop?	Y (N)					()	PCDD	s/PCDFs	()
						()	Pesticide	s/Herbicides	()
						()	Natural .	Attenuation	()
						(}	Other	(Specify)	()
	INFORMATION	144/							
Pi	ump Start Time	10/2	_						
Pi	ump Stop Time	$ZSZC_{-}$	-		Evacuation Me	thod: Bailer () Bladder F	Pump ()	
Minu	tes of Pumping				Peristattic Pum	p.#(*) Su	omensible Pump () Other/Spe	cify ()
Volume of W	later Removed	4-0gul	(pm)		Pump Type:	À 6			,
Die	d Makell Co. Co. O.				, with the same	COCO PLV	v ko e		
-	a asen contists.	Y (ਐ)				Geo Puv		e? (Y) N (specif	···
J.,	d Well Go Dry?	Y (Д)			Samples collec	ited by same me	thod as evacuation	~	
	• .	•	Serial Numbers:	Y51-55	Samples collec	ited by same me	thod as evacuation	n? (T) N (specifical)	
	• .	•		√51- ≤`3` Temp.	Samples collec	Huch	Noted as evacuation	-bidinet	<u> </u>
	Water Quality M	leter Type(s) / S	Serial Numbers:	Temp.	Samples collec	Huch	Rithod as evacuation	-bislimet	ORP
	Water Quality M	leter Type(s) / S	Serial Numbers:	Temp. (Gelsius)	Samples collect	Huch Sp. Cond. (mS/cm)	Z/DO P 75 Turbidity (NTU)	DO (mg/l)	ORP (tnV)
	Water Quality M Pump Rate (Limin.)	Total Gallone Removed	Water Lovel (ft TIC)	Temp.	Samples collec	Sp. Cond. (mS/cm) [3%]	Turbidity (NTU) [10% or 1 NTUP	DO (mg/l)	ORP
	Water Quality M Pump Rate	Total Gailons Removed	Water Lovel (ft TIC)	Temp. (Gelsius) [3%]*	Samples collect	Sp. Cond. (mS/cm) [3%]	Xhod as evacuation Z 2 100 P To Turbidity (NTU) [10% or 1 NTUP	DO (mg/l)	ORP (10 mV)*
Time 1700 1705	Water Quality M Pump Rate (Limin.)	Total Gallone Removed	Water Lovel (ft TIC)	Temp. (Cetaius) [3%]*	Samples collect MPI pH [0.1 units]* IR. 16	Sp. Cond. (mS/cm) [3%]*	Athod as evacuation Representation Properties Turbidity (NTU) [10% or 1 NTUP A L	DO (mg/l)	ORP (tnV)
	Water Quality M Pump Rate (Limin.)	Total Gailons Removed	Water Lovel (ft TIC)	Temp. (Gelsius) [3%]*	Samples collect	Sp. Cond. (mS/cm) [3%]	Athod as evacuation Representation Property Turbidity (NTU) [10% or 1 NTUP A 1 A 1	DO (mg/l)	ORP (10 mV)*
Time 1700 1705	Water Quality M Pump Rate (Limin.)	Total Gallone Removed () - () - ()	Water Lovel (ft TIC)	Temp. (Cetaius) [3%]*	Samples collect MPI pH [0.1 units]* IR. 16	Sp. Cond. (mS/cm) [3%]*	Athod as evacuation Representation Properties Turbidity (NTU) [10% or 1 NTUP A L	DO (mg/l)	ORP (INV) [10 MV]*
Time 1700 1705	Water Quality M Pump Rate (Limin.)	Total Gallons Removed O - 2-6 O - 7-8	Water Lovel (ft TIC) / 8 60 / 8 67	Temp. (Cetaius) [3%]*	\$ M P / pH (0.1 units)* 12.16 10.57	### ##################################	Xhod as evacuation Z 2 10 0 P To Turbidity (NTU) [10% or 1 NTUP A 2 2 2	DO (mg/l)	ORP (mV) [10 mV]* 25, 2 77.0
Time 1760 1705 1705 1710 1715	Water Quality M Pump Rate (Limin.)	Total Gallone Removed O - 2-6 O - 5-2 O - 7-8	Water Lovel (ft TIC) / 8 60 / 8 5 9	Temp. (Colaius) [3%]* [3 2] [3 2] [2 38]	Samples collect 6 M P I pH [0.1 units] 12.16 10.57 10.34	## C 283	Turbidity (NTU) [10% or 1 NTUP A 1 A 1 A 2 18	10% or 0.1 mg/ll* 9.// 7.58 6.70	ORP (mV) [10 mV]* 25,2 77.0 11.9
1700 1705 1715 1715 1715 1720	Water Quality M Pump Rate (Limin.)	Total Gallons Removed 0.26 0.78 1-04 1-30	Water Lovel (ft TIC) / 8 60 / 8 58	Temp. (Gotsius) [3%]* [3 2] [2-58 [2,26 [2,27 [1,%)	Samples collect 6 M P I pH [0.1 units]* IR. 16 IO. 57 IO. 34 IO. 16 7. 96	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) [10% or 1 NTUP A 1 LV 18 18 29	9.11 7.58 6.70 6.45	ORP (INV) [10 mV]*
Time 1700 1705 1710 1715 1720 1725	Water Quality M Pump Rate (Limin.)	Total Gallone Removed 0.26 0.78 1.04 1.30 1.56	Water Lovel (ft TIC) / \$ 60 / \$ 59 / \$ 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59]	pH (0.1 units)* (12.16 (10.57 10.34 10.16	# January 19 19 19 19 19 19 19 1	Turbidity (NTU) [10% or 1 NTU]* A 1 A 2 18 29 34	10% or 0.1 mg/ll* 9.// 7.58 6.70	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1710 1715 1720 1725 1730 1736	Water Quality M Pump Rate (L/min.)	Total Gallone Removed 0.26 0.78 1.04 1.30 1.56 1.82	Water Lovel (ft TIC) / 8 60 / 8 67 / 8 58 14 54 / 8 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59 [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (mV) [10 mV]* 25,2 77.0 11.9
Time 1700 1705 1710 1715 1720 1725 1730 1736 The stabifization	Pump Rate (L/min.)	Total Gallone Removed (2.26 (2.78 (78 (30 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56) (56) (56) (56) (56) (56) (56) (56) (56) (56)	Water Lovel (ft TIC) / 8 60 / 8 67 / 8 58 / 8 58 / 8 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59 [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) [10% or 1 NTU]* A 1 A 2 18 29 34	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1710 1715 1720 1725 1730 1736 The stabifization	Water Quality M Pump Rate (L/min.)	Total Gallone Removed (2.26 (2.78 (78 (30 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56) (56) (56) (56) (56) (56) (56) (56) (56) (56)	Water Lovel (ft TIC) / 8 60 / 8 67 / 8 58 / 8 58 / 8 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59 [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1710 1715 1720 1725 1730 1736 The stabifization	Pump Rate (L/min.)	Total Gallone Removed (2.26 (2.78 (78 (30 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56) (56) (56) (56) (56) (56) (56) (56) (56) (56)	Water Lovel (ft TIC) / 8 60 / 8 67 / 8 58 / 8 58 / 8 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59 [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1710 1715 1720 1725 1730 1736 The stabifization	Pump Rate (L/min.)	Total Gallone Removed (2.26 (2.78 (78 (30 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56) (56) (56) (56) (56) (56) (56) (56) (56) (56)	Water Lovel (ft TIC) / 8 60 / 8 67 / 8 58 / 8 58 / 8 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59 [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1710 1715 1720 1725 1730 1736 The stabifization	Pump Rate (L/min.)	Total Gallone Removed (2.26 (2.78 (78 (30 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56) (56) (56) (56) (56) (56) (56) (56) (56) (56)	Water Lovel (ft TIC) / \$ 60 / \$ 67 / \$ 58 / \$ 58 / \$ 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59 [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1710 1715 1720 1725 1730 1736 The stabifization	Pump Rate (L/min.)	Total Gallone Removed (2.26 (2.78 (78 (30 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56) (56) (56) (56) (56) (56) (56) (56) (56) (56)	Water Lovel (ft TIC) / \$ 60 / \$ 67 / \$ 58 / \$ 58 / \$ 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59 [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1710 1715 1720 1725 1736 The stabilization DBSERVATION	Pump Rate (L/min.) 200 an criteria for each	Total Gallone Removed (2.26 (2.78 (78 (30 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56 (56) (56) (56) (56) (56) (56) (56) (56) (56) (56)	Water Lovel (ft TIC) / \$ 60 / \$ 67 / \$ 58 / \$ 58 / \$ 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,26 [2,27 [1,59 [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1705 1715 1720 1725 1736 The stabilization DBSERVATION *** *** *** *** *** *** *** *** ***	Pump Rate (L/min.) 200 In criteria for each	Total Gallone Removed (2.26 (2.78 (-28) (-36) (.36) (.36) (.36) (.36) (.36) (.36)	Water Lovel (ft TIC) / \$ 60 / \$ 67 / \$ 58 / \$ 58 / \$ 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,24 [1, %) [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1705 1715 1720 1725 1736 The stabilization DBSERVATION AMPLE DESTIL	Pump Rate (L/min.) 200 In criteria for each (S/SAMPLING A	Total Gallone Removed (2.26 (2.78 (-28) (-36) (.36) (.36) (.36) (.36) (.36) (.36)	Water Lovel (ft TIC) / \$ 60 / \$ 67 / \$ 58 / \$ 58 / \$ 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,24 [1, %) [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1710 1715 1720 1725 1736 The stabifization DBSERVATION Laboratory. Defivered Via:	Pump Rate (L/min.) 200 In criteria for each (S/SAMPLING A	Total Gallone Removed (2.26 (2.78 (-28) (-36) (.36) (.36) (.36) (.36) (.36) (.36)	Water Lovel (ft TIC) / \$ 60 / \$ 67 / \$ 58 / \$ 58 / \$ 58	Torrip. (Golaius) [3%]* [3 2] [9-58 [2,24 [1, %) [1,59 [1,59]	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	## January 19 19 19 19 19 19 19 1	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-
Time 1700 1705 1705 1715 1720 1725 1736 The stabilization DBSERVATION AMPLE DESTIL	Pump Rate (L/min.) 200 In criteria for each (S/SAMPLING A	Total Gallone Removed (2.26 (2.78 (-28) (-36) (.36) (.36) (.36) (.36) (.36) (.36)	Water Lovel (ft TIC) / \$ 60 / \$ 67 / \$ 58 / \$ 58 / \$ 58	Terrip. (Golaius) [3%]* [3 2] [2-5% [2,24 [1, %) [1,59 [1,59] utive readings of	pH (0.1 units) (12.16 (10.57 10.34 10.16 7.96 4.85	Sp. Cond. (ms/cm) [3%]"	Turbidity (NTU) 10% or 1 NTUP 21 20 18 29 34 29 29	9.11 7.58 6.70 6.41 4.51	ORP (INV) [10 MV]. 25,2 17.0 11.9 11.9 21.7- 21.7-

Well No.	15-2	9		_ Si Sampi	te/GMA Name iing Personnel	GC Pitt	sheld/G \$7- Sunny	M41	
					Date	10/25/	01 1-	16Czi	
					weatner		DON HO	1 (cr. 2)	
ELL INFOR	MATION - See F	age 1				ŧ		1	
Time	Pump Rate (Ľ/min.)	Total Gallons Removed	Water Level (ft TIC)	Temp. (Celsius) (3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU]*	DO (mg/t) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
740	200	2.34	18 58	11.56	674	0619	30	3 44	45.8
745	}	2.60	18.58	11.45	6.66	0.628	73	3.34	5/.3
750		5.86	18.5%	1.33	6.63	0.632	28	3.30	56,0
755	1/	3.12	1858	11.23	(0635	うえ うえ	3.28	60.2
Schrib	Le D (=	1800	1.3.3.	1):: /\$	00.2
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I he stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS

	•					GE PIL			
Wall No	<u>'55C</u>	-085		Site	/GMA Name		GMA MB	(
	عداده مناهم				g Personnel	KIC, J.	S		
-	(ground (ppm)			•	Date	10/17/0	ッキ		
	idspace (ppm)			•	Weather		Sonny 5	<u>D'S.</u>	
							Sample Time	1025	
WELL INFORM							Sample ID (50-085
	Point Marked?	ΥN	F				Duplicate ID		P-1
Height of I	Reference Point	(*) il	Meas, From				MS/MSD		AI- DUP-
_	Well Diameter n Interval Depth	5-151	Moss Emm	Ground			Split Sample tD		
Scree	n interval Depth iter Table Depth	13 21	Meas, From						
γva		14.60	Meas. From			Required	Analytical I	Parameters:	Collected
Length a	of Water Column					()	VOCs	(Std. list)	()
Volume	of Water in Well	Billian O.	zzgallor	`		()	VOCs	(Exp. list)	()
Intake Depth	of Pump/Tubing	TUBILITY	Meas, From	TIC		()	sv	OCs	()
,		21410				()		(Total)	()
Reference Poin		, ,				(X)		Dissolved)	(X)
TIC: Top of inn	ner (PVC) Casing	3				()		ganics (Total)	()
TOC: Tap of O	luter (Protective)	Casing				()		nics (Dissolved)	()
Grade/BGS: G	Iround Surface					()	•	le (Dissolved) le (Dissolved)	()
	, (C)					()		s/PCDFs	()
Redevelop?	Y (N)					()		/Herbicides	()
						()		Attenuation	()
						()	Other	(Specify)	()
Minu Volume of V	ump Stop Time ites of Pumping Nater Removed id Well Go Dry?	3-09 NW	ins		Peristatic Pum Pump Type:	Geo Pi	omersible Pump() Other/S	pecify ()
Minu Volume of V Di	ites of Pumping Nater Removed id Well Go Dry?	35 3-09 WW			Peristattic Pum Pump Type: Samples collec	Sut Seo Pu ted by same me	omersible Pump () Other/S	cify)
Minu Volume of V Di	ites of Pumping Nater Removed id Well Go Dry?	35 3-09 WW			Peristattic Pum Pump Type: Samples collec	Sut Seo Pu ted by same me	omersible Pump() Other/S	oify)
Minu Volume of V Di	utes of Pumping Water Removed id Well Go Dry? Water Quality M	55 3-09 WW Y N	erial Numbers: Water Level	YS/- ST. Temp. (Colsius)	Peristatic Pum Pump Type: Samples collect S 6 AA P s	ted by same me Hank Sp. Cond. (mS/cm)	omersible Pump (comp 2 Ithod as evacuation 2 / 10 17 / 7 Turbidity (NTU)	Other/S	ORP (mV)
Minu Volume of V Di	Ites of Pumping Nater Removed id Well Go Dry? Water Quality M Pump Rate (L/min.)	7-09 willow Y N Noter Type(s) / So Total Gallons Romoved	erial Numbers:	75/- 5 Temp. (Colsius) [3%]*	Peristatic Pum Pump Type: Samples collect	p (X) Sut Led by same me Hack Sp. Cond.	mersible Pump () Other/S	ORP (mV) [10 mV]*
Minu Volume of V Di	vater of Pumping Vater Removed id Well Go Dry? Water Quality Mater Pump Rate (L/min.)	7-09 WW Y N Aeter Type(s) / So Total Gallons	erial Numbers: Water Level	YS/- ST. Temp. (Colsius)	Peristatic Pum Pump Type: Samples collect S 6 AA P s	ted by same me Hank Sp. Cond. (mS/cm)	omersible Pump (thod as evacuation 2 / 1017 / Turbidity (NTU) [10% or 1 NTU]*	Other/S	ORP (mV)
Minu Volume of V Di	Ites of Pumping Nater Removed id Well Go Dry? Water Quality M Pump Rate (L/min.)	7-09 willow Y N Noter Type(s) / So Total Gallons Romoved	erial Numbers: Water Level	75/- 5 Temp. (Colsius) [3%]*	Peristatic Pum Pump Type: Samples collect S h P s pH [0.1 units]*	ted by same me Hank Sp. Cond. (mS/cm)	mersible Pump (Other/S	ORP (mV) [10 mV]*
Minu Volume of V Di	vater of Pumping Vater Removed id Well Go Dry? Water Quality Mater Pump Rate (L/min.)	7-09 wllw Y N Noteter Type(s) / So Total Gallons Removed	erial Numbers: Water Level	75/- 57. Temp. (Colsius) [3%]*	Peristatic Pum Pump Type: Samples collect S 6 M P s pH [0.1 units]*	ted by same me Hank Sp. Cond. (mS/cm)	omersible Pump (thod as evacuation 2 / 1017 / Turbidity (NTU) [10% or 1 NTU]*	Other/S	ORP (mV) 10 mV)*
Minu Volume of V Di	vater of Pumping Vater Removed id Well Go Dry? Water Quality Mater Pump Rate (L/min.)	Total Gallons Romoved	erial Numbers: Water Level	Temp. (Colsius) [3%]*	Peristatic Pum Pump Type: Samples collect S h P s pH [0.1 units]*	ted by same me Hank Sp. Cond. (mS/cm)	mersible Pump (mp 2 thod as evacuation 2 / 12/2 / 7 Turbidity (NTU) [10% or 1 NTU]* 566	Other/S	ORP (mV)
Minu Volume of V Di Time 0935 0940 0945	vater of Pumping Vater Removed id Well Go Dry? Water Quality Mater Pump Rate (L/min.)	Total Gallons Romoved	erial Numbers: Water Level	75/- 57. Temp. (Colsius) [3%]*	Peristatic Pum Pump Type: Samples collect S 6 M P s pH [0.1 units]*	p (X) Sut Geo Pu ted by same me Hack Sp. Cond. (mS/cm) [3%]*	mersible Pump (thod as evacuation 2/1/17/P Turbidity (NTU) (10% or 1 NTU)*	Other/S N (spe	ORP (mV) 11 (10 mV)
Time 0935 0940 0955 0955	vater of Pumping Vater Removed id Well Go Dry? Water Quality Mater Pump Rate (L/min.)	Total Gallons Removed O.26 O.79	erial Numbers: Water Level	751-5. Temp. (Colsius) [3%]*	Peristatic Pum Pump Type: Samples collect S 6 M P s pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	mersible Pump (thod as evacuation 2/1/17/P Turbidity (NTU) (10% or 1 NTU)*	Other/S Other/S N (spe	ORP (mV) [10 mV]*
Time 0935 0940 0945 0950	vater of Pumping Vater Removed id Well Go Dry? Water Quality Mater Pump Rate (L/min.)	55 3-09 allo Y N Aster Type(s)/Si Total Gallons Romoved 0.26 0-53 0-79 /-06	erial Numbers: Water Level	751-5. Temp. (Colsius) [3%]* 13.70 13.67	Peristatic Pum Pump Type: Samples collect S 6 MPs pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 2.236 2.288	mersible Pump (thod as evacuation 2/1/17/P Turbidity (NTU) (10% or 1 NTU)*	Other/S Other/S N (spe	ORP (mV) 11 (10 mV)
Time 0935 0940 0945 0950 0955 1000 1005	vater of Pumping Vater Removed id Well Go Dry? Water Quality Mater Pump Rate (L/min.)	55 3-09 100 Y N Aster Type(s) / So Total Gallons Romoved 0.26 0-53 0-79 1-64 /-32	erial Numbers: Water Level	751-5. Temp. (Colsius) [3%]* 13.70 13.67 13.69	Peristatic Pum Pump Type: Samples collect S 6 MPs pH [0.1 units]*	5p. Cond. (mS/cm) [3%]* 2.23/6 2.288	mersible Pump (thod as evacuation 2/1/17/P Turbidity (NTU) (10% or 1 NTU)*	Other/S 1? (P) N (spe 100 (mg/l) [10% or 0.1 mg/l 	ORP (mV) 11 110 mV)
Time 0935 0940 0945 0950 0955 1000 1005	Attes of Pumping Nater Removed id Well Go Dry? Water Quality M Pump Rato (L/min.) 200	55 3-09 allo Y N Hater Type(s)/Si Gallons Romoved 	Water Level (ft TIC)	751-5. Temp. (Colsius) [3%]* /3.70 /3.67 /3.69 /3.69 /3.60	Peristatic Pum Pump Type: Samples collect S 6 MPs pH (0.1 units)*	5p. Cond. (mS/cm) [3%]* 2.236 2.288 2.399 2.306	mersible Pump (Turbidity (NTU) [10% or 1 NTU] Turbidity (NTU) [10% or 1 NTU] Turbidity (NTU)	90 (mg/l) [10% or 0.1 mg/l	ORP (mV) 11 [10 mV] 12 - 38.9 13 - 42.0 14 - 40.0 15 - 40.8
Time Volume of V Di Time 0935 0940 0945 0950 0955 1000 The stabilizat	Attes of Pumping Vater Removed id Well Go Dry? Water Quality M Pump Rate (L/min.) 200 200 Lion criteria for each	55 3-09 allo Y N Aster Type(s)/Si Total Gallons Romoved 0-26 0-53 0-79 /-59 /-59 /-85 ach field paramet METHOD DEVI	erial Numbers: Water Level (ft TIC) ter (three conse	751-5. Temp. (Colsius) [3%]* /3.70 /3.67 /3.69 /3.69 /3.60	Peristatic Pum Pump Type: Samples collect S 6 MPs pH [0.1 units]*	5p. Cond. (mS/cm) [3%]* 2.23/6 2.28/9 2.30/9 2.30/6 5-minute interval	mersible Pump (map 2 thod as evacuation 2 / 1/10 / To Turbidity (NTU) [10% or 1 NTU]* 566 14 / O 8	90 (mg/l) [10% or 0.1 mg/l	ORP (mV) 11 [10 mV] 12 - 38.9 13 - 42.0 14 - 40.0 15 - 40.8
Time Volume of V Di Volume of V Di Volume of V Di Volume of V Di Vime Attes of Pumping Nater Removed id Well Go Dry? Water Quality Mater al Mat	Total Gallons Romoved O. 2.6 O. 79 I- 06 I- 32 I- 59 I- 85 ach field parameter METHOD DEVIL	erial Numbers: Water Level (ff TIG) ter (three conse	751-5. Temp. (Colsius) [3%]* /3.70 /3.67 /3.69 /3.60 /3.60 cutve readings of	Peristatic Pum Pump Type: Samples collect S 6 MPs pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 2.236 2.288 2.399 2.306 5-minute interva	mersible Pump (mp 2 thod as evacuation 2 / 1/10 / To Turbidity (NTU) [10% or 1 NTU]* 566 14 / O 8	01her/S 17 (N (spe 18 dian vi 190 (mg/l) [10% or 0.1 mg/l 2	ORP (mV) 11 [10 mV] 12 - 38.9 13 - 42.0 14 - 40.0 15 - 40.8	
Time Volume of V Di Time V935 O940 O945 O950 O955 IDOC IDOS IDOC The stabilizat OBSERVATIO SHOULD SHOULD SHOULD Laboratory Delivered Via	Attes of Pumping Nater Removed id Well Go Dry? Water Quality Mater al Mat	Total Gallons Romoved O. 2.6 O. 79 I- 06 I- 32 I- 59 I- 85 ach field parameter METHOD DEVIL	erial Numbers: Water Level (ff TIG) ter (three conse	751-5. Temp. (Colsius) [3%]* 13.70 13.67 13.69 13.60 13.70 cuttre readings of arthours	Peristatic Pum Pump Type: Samples collect S 6 MPs pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 2.23/6 2.288 2.299 2.304 2.306 5-minute interva	mersible Pump (mp 2 thod as evacuation 2 / 10 10 / 7 Turbidity (NTU) [10% or 1 NTU]* 588 14 / O ais) is listed in each 14 10	01her/S 17 (N (spe 18 dian vi 190 (mg/l) [10% or 0.1 mg/l 2	ORP (mV) 11 110 mV) 12 - 38.9 13 - 49.0 14 - 40.8 14 - 39.9

Well No. LSS2-085	Site/GMA Name	GE Pitsfield /GMA 91
Well No.	Sampling Personnel	KIC/OS
	Date	10/17/07
	Weather	Snny 50'S

WELL INFORMATION - See Page 1

Time	Pump Rate	Total Gallons	Water Level	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]*
	(Ľ/min.)	Removed	(fit TIC)			3.314	6	6.60	-40.0
1015	200	2.11		13.70				1 (0)	
1020	200	2.38		13.66	7,33	asal	6	6.68	- 39,0
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* The stabilization criteria for each field parameter (three conse	cultive readings collected at 3- to 5-minute intervals) is iisted in each collation reducing.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS	

Well No.	15SC-	<u> 165</u>					<u>tsfield/(</u>	JMA I	
Key No.				Sampling	Personnel _	<u>140/ JS</u>			
	(maa) bount				Date _	10/17/0) /		
	_ (mqq) ossqet				Weather _	Sonni	4 60'5		
Matt 1 tour	ashass (htm.)						•	11 12 12	
WELL INFORM	ATION		•		,		Sample Time	16.50	
		(Ý) N					Sample ID	255 -16S	
	Point Marked?	• "	Meas, From _				Duplicate ID	-	
-	Reference Point	24	Wicas. From				MS/MSD		
	Well Diameter	2-12-1	Meas. From (200 und			Split Sample ID 👱		
Screen	Interval Depth	10 63	Meas. From	Tie					
Wat	er lable Deptil	13.70	Meas. From _	776		Required	Analytical P	arameters:	Collected
	Water Column	2.13/	(41000) 1 (411)			()	VOCs (S	Std. list)	(,,1
Length of	vvater Columni.	0 53 0 1	200			(×)	VOCs (Exp. list)	(X)
Volume o	or water in well	0.52 gall ~/3	Mass From	TIL		()	svo)Cs	()
intake Depth o	at Sawbu nond	,0	Micas. From _			()	PC8s (Total)	()
						()	PCBs (Di	ssolved)	()
Reference Poin						()	Metals/Inorga	anics (Total)	()
TIC: Top of Inn						()	Metals/Inorgani	cs (Dissolved)	()
TOC: Top of O		casing				()	EPA Cyanide	(Dissolved)	()
Grade/BGS: G	round Surface	•				()	PAC Cyanide		()
	. (1)					()	PCDDs		()
Redevelop?	Y (N)					()	Pesticides/	Herbicides	()
						()		ttenuntion	()
						()		Specify)	()
P Minu Volume of V	Valer Removed id Well Go Ory?	1690 -80m 3.7590	lloni		Peristaltic Pum Pumo Tvoe:	Marsch	Bladder Pump (Lik - Syuth thod as evacuation	Other/Spec	
	Water Quality N	Aeter Type(s) / Se	erial Numbers:	V51-55	6 MPs			-silmete	
	·	·	erial Numbers:	/51-55 Temp.	6 MP)				ORP
Time	Pump	Total	Water	Temp.		Alach	2/00P 76	-bilimete	ORP (mV)
Time	Pump Rato	Total Gailons	Water Level			Auch Sp. Cond.	700P 70	-silmeto	ORP
ļ	Pump	Total	Water Level (ft TIC)	Temp. (Colsius)	pH [0,1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l)	ORP (mV)
Time	Pump Rato A(Limin.)	Total Gailons Romoved	Water Level (ft TIC)	Temp. (Colsius)	рН	Sp. Cond.	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
	Pump Rato	Total Gailons	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH [0,1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) {10 mV *
ļ	Pump Rato A(Limin.)	Total Gailons Romoved	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH [0,1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU)	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) {10 mV]*
ļ	Pump Rato M(Umin.) 15 100 100 250	Total Gailons Removed	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] [63 [524 377 [64	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
ļ	Pump Rato M(Umin.)	Total Gailons Romoved CO.25	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) ² (663 (624 (377 (164 (109	DO (mg/l) [10% or 0.1 mg/l]	ORP (mV) {10 mV]*
inibial 1525 1530 1535	Pump Rato M(Umin.) 15 100 100 250	Total Gailons Removed Co.25 6.25 Ø. 75	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] [63 [524 [377 [164 [109 [52]	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
inibial 1525 1530 1535	Pump Rato M(Umin.) 15 100 100 250 150	Total Gailons Removad	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) ² (663 (624 (377 (164 (109	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
initial 1525 1530 1535 1540 1545 1550	Pump Rato M(L/min.) 25 100 100 250 150 125 125	Total Gailons Romoved	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (663 (624 377 164 109 52 29 18	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
initial 1525 1530 1535 1540 1545 1550	Pump Rato M(L/min.) 25 100 100 250 150 125 125	Total Gailons Romoved	Water Level (ft TIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (663 (624 377 164 109 52 29 18	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
inibal 1525 1530 1535 1540 1545 1550	Pump Rato #(Lmin.) 15 100 100 250 150 125 125 125	Total Gailons Romoved	Water Level (RTIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] 66 S 624 377 164 109 52	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
inibial 1525 1530 1535 1540 1545 1550 1555	Pump Rato #(Lmin.) 15 100 100 250 150 125 125 125	Total Gailons Romoved	Water Level (RTIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (663 (624 377 164 109 52 29 18	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
inibial 1525 1530 1535 1540 1545 1550 1558 The stabiliza	Pump Rato #(Lmin.) 15 100 100 250 150 125 125 125	Total Gailons Romoved	Water Level (RTIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (663 (624 377 164 109 52 29 18	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
inibial 1525 1530 1535 1540 1545 1550 1555	Pump Rato #(Lmin.) 15 100 100 250 150 125 125 125	Total Gailons Romoved	Water Level (RTIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (663 (624 377 164 109 52 29 18	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
1525 1530 1538 1540 1545 1540 1550 1550 1550 1550 1550	Pump Rato M(Umin.) 15 100 100 250 150 125 125 125	Total Gailons Romoved	Water Level (RTIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (663 (624 377 164 109 52 29 18	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
inibal 1525 1530 1535 1540 1545 1550 1555 The stabiliza OBSERVATIO TOITIC	Pump Rato M(Umin.) 15 100 100 250 150 125 125 125	Total Gailons Romoved	Water Level (RTIC)	Temp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) (10% or 1 NTU) (663 (624 377 164 109 52 29 18	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
initial 1525 1530 1535 1540 1545 1550 1550 1550 1550 1550 155	Pump Rato M(Umin.) 15 100 100 250 150 125 125 125	Total Gailons Romoved	Water Level (RTIC)	Temp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] 6 S 6 2 4 3 7 7 1 6 4 1 0 9 5 2 2 9 1 8 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*
initial 1525 1530 1535 1540 1545 1550 1555 The stabilization observation observati	Pump Rato M(Umin.) 15 100 100 250 150 125 125 125	Total Gailons Romoved	Water Level (RTIC)	Temp. (Colsius) [3%]*	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Turbidity (NTU) [10% or 1 NTU] 6 S 6 2 4 3 7 7 1 6 4 1 0 9 5 2 2 9 1 8 als) is listed in each	DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]*

Well No. 1.550-165	Site/GMA Name Sampling Personnel Date Weather	KU/JS
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Time	Pump Rate	Total Galions	Water Level	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]*
	(L/min.)	Removed	(ft TIC)	14.17	8.20	1.232	14	1.83	68.6
<u> 200</u>	150	2.50			8.16	1.227	9	1.83	69.8
505	150	2.75		14.05	 	1.224	6	1.80	71.4
e10	150	13.0		13.97	8.11	7	5	1.76	74.0
615	150	~3.0		13.88	7.96	1. 222		1.73	75.5
1620	150	3.0		13.76	7.91	1.225	3	1.68	77.1
1625	150	N3.25		13.72		1.226		1.71	77.8
630	150	3.50		13.69	7.81	1.226	2.	1.71	15.5¢
10 20	mple		1635						79
م چيد	11/1/1/								
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		_					ntervals) is listed in		

"leasted of 3 to 5 migute intervals) is listed in each column neading.
* The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
The stabilization character of character party and the stabilization c
OBSERVATIONS/SAMPLING METHOD DEVIATIONS
OBSERVATIONOS

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Well No	. <u>Less</u> C-	18		s	lte/GNA Name	GEP:the	Fich / Qu	441	
Key No				_ Samp	ling Personnel	SIC/M	My 17 !	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	ekground (ppm)				Date	10/25/	07		
Well He	sadapaca (ppm)			-	Weather	وبمصيك	Mad 60	<u> </u>	
WELL INFOR				ř		•	Sample Time		35-
	o Point Marked?						Sample ID	ZSSC_	-/ 52
Height of	Reference Point		_ Meas. From				Ouplicate ID		
C	Well Diameter Interval Depth			<i>^</i> .			MS/MSD		
	ater Table Depth			Grand			·Split Sample ID		
VV	Well Depth	·		T16		Dominal	Assault of	D.,	
l anoth a	of Water Column		meas, mon			Required		Parameters:	Collected
	of Water in Well		Ũ			()		(Std. list)	()
	of Pump/Tubing	7 ()	∐ 6∾ Meas, From	716		-		(Exp. list)	()
mania dopo,	or and toping		Meas, Clotti		-	()		/OCs	()
Reference Poi	nt Identification:					()		(Total)	()
	ner (PVC) Casin	n				() ()		Dissolved)	(X)
	Outer (Protective)	-				()		ganics (Total)	(')
	Fround Surface	,				()		nics (Dissolved)	()
		•				()		de (Dissolved)	()
Redevelop?	Y (N)					()	=	de (Dissolved) s/PCDFs	()
•						()		s/Herbicides	()
						()		Attenuation	()
						()		(Specify)	()
EVACUATION	INFORMATION					, ,	out.or	(obeout)	, ,
ρ	ump Start Time	1637			•				
P	ump Stop Time	* 7.30	17:40		Evacuation Me	ethod; Bailer () Bladder 9	ump (^X)	
	ites of Pumping				Peristattic Pum	•	bmersible Pump (wifu ()
Volume of V	Vater Removed	1.75 gul	ر مدر)	1	Pump Type:				
_								Tem Alles	
Di	kt Well Go Dry?	Y(N)	-						
Di	• :		-		Samples collec	ted by same me	thod as evacuation	17 Ý N (specii	(y)
Di	• :		erial Numbers:	Y31-551	Samples collec	ted by same me		17 Ý N (specii	(y)
Di	• :		ierial Numbers:	V31-551	Samples collec	ted by same me	no P	Talibrate	······································
Time	Water Quality M	leter Type(s) / S	,	r	Samples collec	ted by same me	thod as evacuation	17 9) N (specifical)	ORF
***************************************	Water Quality M	eter Type(s) / S	₩ Water	Tomp.	Samples collec	Sp. Cond.	Turbidity	Talibrate	······································
***************************************	Water Quality M Pump Rate	eter Type(s) / S Total Gallone	Water Level	Tomp. (Colsius) [3%]*	Samples collection	Sp. Cond.	Turbidity (NTU)	OQ (mg/l)	ORP (mV)
Time	Pump Rate (Umin.)	Total Gallons Removed	Water Level (ft TIC)	Tomp. (Colsius)	Samples collection	Sp. Cond.	thod as evacuation (D.D.P. Turbidity (NTU) [10% or 1 NTUP	OQ (mg/l)	ORP (mV)
Time	Water Quality M Pump Rate	Total Gallons Romovod U.09	Water Level (ft TIC)	Tomp. (Celsius) [3%]*	Samples collects AM PJ pH {0.1 units}*	Hull 2, Sp. Cond. (inS/cm) [3%]	Turbidity (NTU)	17 % N (specifical) Section of (mg/l) [10% or 0.1 mg/l]*	ORP (mV)
1640 1645 1650	Pump Rate (Umin.)	Total Gallons Romovod C.O9 O-49 O-62	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (inStem) [3%]	thod as evacuation (D.D.P. Turbidity (NTU) [10% or 1 NTUP	17 %) N (specifical) in a (mg/l) (10% or 0.1 mg/l)	ORP (mV)
1640 1645 1650 1655	Pump Rate (Umin.)	Total Gallons Romovod U.09	Water Level (ft TIC)	Tomp. (Cotsius) (3%)* (5.18	pH (0.1 units)*	Sp. Cond. (inS/cm) [3%]*	thod as evacuation (D.D.P. Turbidity (NTU) [10% or 1 NTUP	17 9) N (specifical) in the control of the control	ORP (mV)
1640 1645 1650	Pump Rate (Umin.)	Total Gallons Romovod C.O9 O-49 O-62	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)*	Sp. Cond. (inStem) [3%]	thod as evacuation / D.O.P. True S Turbidity (NTU) [10% or 1 NTUP	17 %) N (specifical) in a (mg/l) (10% or 0.1 mg/l)	ORF (mV) [10 mV]* -/02.3 -/02.3 -/148-3
1640 1645 1650 1655	Pump Rate (Umin.)	Total Gallons Removed O-99 O-99 O-79	Water Level (ft TIC)	Tomp. (Cotsius) (3%)* (5.18	pH (0.1 units)*	Sp. Cond. (inS/cm) [3%]*	thod as evacuation / D.O.P. True S Turbidity (NTU) [10% or 1 NTUP	17 9) N (specifical) in the control of the control	ORP (mV)
1640 1645 1650 1655	Pump Rate (Umin.)	Total Gailons Removed 0.09 0-49 0-62 0-79 0-92	Water Level (ft TIC)	Tomp. (Colsius) [3%]*	pH (0.1 units)* 7. L. 7 7. X. 2 7. 7. 7.	Sp. Cond. (mS/em) [3%]* C-434 C-435	thod as evacuation / D.O.P. True S Turbidity (NTU) [10% or 1 NTUP	17 % N (special state) N (special state) N (special state) N (mg/l) (10% or 0.1 mg/l) N (c) N (c	ORF (mV) [10 mV]* -/02.3 -/02.3 -/148-3
1640 1645 1650 1655	Pump Rate (Umin.)	Total Gallons Romovod 0.09 0-49 0-62 0-79 0-92 1-05	Water Level (ft TIC)	Tomp. (Cotsius) (3%)* 15.18 17.66 14.06 1-62	pH (0.1 units)* 7. L. 7 7. X. 2 7. 7. 7.	Sp. Cond. (mS/em) [3%]* C-434 C-435	thod as evacuation / D.O.P. True S Turbidity (NTU) [10% or 1 NTUP	17 % N (special state) N (special state) N (special state) N (mg/l) (10% or 0.1 mg/l) N (c) N (c	ORF (mV) [10 mV]* -/02.3 -/02.3 -/148-3
11ma 1645 1650 1655 1700 1705 1710	Pump Rate (Umin.) IOO IOO IOO IOO IOO	Total Gailons Removed 0.09 0.49 0.62 0.79 0.92 1.05 1.18	光 Water Level (在 TIC) ル A	Tomp. (Cotalus) [3%]*	pH (0.1 units)* 7.6.7 7.7.7 7.7.7 7.7.7 7.6.7	# Sp. Cond. (ins/em) [3%]"	thod as evacuation (DD P T C S Turbidity (NTU) [10% or 1 NTU] (G) (G) 2	17 9; N (specifical) in the control of the control	ORF (mV) [10 mV]* -/02.3 -/02.3 -/148-3
11mc 1645 1655 1655 1700 1705 1710	Pump Rate (Umin.) IOO IOO IOO IOO IOO	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Colsius) (3%)* 15.18 17.66 14.06 1.06 1.3.20 1.2.15 utive readings of	pH (0.1 units)* 7.6.7 7.7.7 7.7.7 7.6.7 oliected at 3- to	Sp. Cond. (mS/cm) [3%]* C. 434 C. 435 C. 425 C. 425 C. 428 S-minute interva	thod as evacúation (D.D.P. Tack) Turbidity (NTU) (10% or 1 NTU) (444) (5) (c) (d) (d) (d) (d) (d) (d) (d	17 9; N (specifical) in the specific of the sp	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)
11/40 16/45 16/56 17/00 17/05 17/05 17/05 17/5 The stabilizatio	Pump Rata (L/min.) 100 100 100 100 100 100 100 1	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Cotalus) [3%]*	pH (0.1 units)* 7.6.7 7.7.7 7.7.7 7.6.7 oliected at 3- to	Sp. Cond. (mS/cm) [3%]* C. 434 C. 435 C. 425 C. 425 C. 428 S-minute interva	thod as evacúation (D.D.P. Tack) Turbidity (NTU) (10% or 1 NTU) (444) (5) (c) (d) (d) (d) (d) (d) (d) (d	17 9; N (specifical) in the control of the control	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)
11/40 16/45 16/56 17/00 17/05	Pump Rata (L/min.) 100 100 100 100 100 100 100 1	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Cotolus) (3%)* 15.18 17.66 14.06 1.2.02 12.015 utive readings of	pH (0.1 units)* 7.6-7 7.82 7.77 7.70 7.67 offected at 3- to	Sp. Cond. (ms/cm) (3%) C. 934 C. 935 thod as evacuation (DD P To S Turbidity (NTU) (10% or 1 NTU) (40) (5) (5) (5) is listed in each	17 9; N (specifical) in the specific of the sp	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)	
11/40 16/45 16/56 17/00 17/05 17/05 17/05 17/5 The stabilizatio	Pump Rata (L/min.) 100 100 100 100 100 100 100 1	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Cotaius) (3%)* 15.18 17.66 14.06 1.2.02 12.015 utive readings of	pH (0.1 units)* 7.6.7 7.7.7 7.7.7 7.6.7 oliected at 3- to	Sp. Cond. (mS/cm) [3%]* C. 434 C. 435 C. 425 C. 425 C. 428 S-minute interva	thod as evacuation (DD P To S Turbidity (NTU) (10% or 1 NTU) (40) (5) (5) (5) is listed in each	17 9; N (specifical) in the specific of the sp	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)
Time 1640 1645 1650 1665 1700 1715 1710 1715 The stabilization DBSERVATION 2 1648	Pump Rate (L/min.) 100 100 100 100 100 no criteria for each	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Cotaius) (3%)* 15.18 17.66 14.06 1.2.02 12.015 utive readings of	pH (0.1 units)* 7.6-7 7.82 7.77 7.70 7.67 offected at 3- to	Sp. Cond. (ms/cm) (3%) C. 934 C. 935 thod as evacuation (DD P To S Turbidity (NTU) (10% or 1 NTU) (40) (5) (5) (5) is listed in each	17 9; N (specifical) in the specific of the sp	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)	
11/40 16/45 16/56 17/00 17/05	Pump Rate (L/min.) 100 100 100 100 100 no criteria for each	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Cotaius) (3%)* 15.18 17.66 14.06 1.2.02 12.015 utive readings of	pH (0.1 units)* 7.6-7 7.82 7.77 7.70 7.67 offected at 3- to	Sp. Cond. (ms/cm) (3%) C. 934 C. 935 thod as evacuation (DD P To S Turbidity (NTU) (10% or 1 NTU) (40) (5) (5) (5) is listed in each	17 9; N (specifical) in the specific of the sp	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)	
Time 1640 1645 1650 1665 1700 1715 1710 1715 The stabilization DBSERVATION 2 1648	Water Quality M Pump Rate (L/min.) 100 100 100 100 no criteria for each s/SAMPLING N	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Cotaius) (3%)* 15.18 17.66 14.06 1.2.02 12.015 utive readings of	pH (0.1 units)* 7.6-7 7.82 7.77 7.70 7.67 offected at 3- to	Sp. Cond. (ms/cm) (3%) C. 934 C. 935 thod as evacuation (DD P To S Turbidity (NTU) (10% or 1 NTU) (40) (5) (5) (5) is listed in each	17 9; N (specifical) in the specific of the sp	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)	
Time 1640 1645 1650 1705 1710 1715 1716 1715 1716 1888 1648 1648 SAMPLE DEST	Pump Rate (L/min.) 100 100 100 100 100 INS/SAMPLING A	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Cotaius) (3%)* 15.18 17.66 14.06 1.2.02 12.015 utive readings of	pH (0.1 units)* 7.6-7 7.82 7.77 7.70 7.67 offected at 3- to	Sp. Cond. (ms/cm) (3%) C. 934 C. 935 thod as evacuation (DD P To S Turbidity (NTU) (10% or 1 NTU) (40) (5) (5) (5) is listed in each	17 9; N (specifical) in the specific of the sp	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)	
Time 1640 1645 1650 1665 1700 1705 1710 1715 The stabilization DBSERVATION 1648 CARACTE DEST Laboratory:	Pump Rate (L/min.) 100 100 100 100 noriteria for each sysampling a sysampling	Total Gallons Romovod U.09 U-99 U-99 U-79 U-62 U-79 U-92 I-05 I-18 I-31	Water Level (RTC) NA	Tomp. (Cotsius) (3%)* 15.18 17.66 14.06 12.02 12.15 utive readings of Min. and	pH (0.1 units)* 7.67 7.82 7.77 7.70 1.71 7.67 oilected at 3- to all on a control of a co	Sp. Cond. (ms/cm) (3%) C. 934 C. 935 thod as evacuation (DOP TO S Turbidity (NTU) (10% or 1 NTU) (40) S S S) is listed in each	17 9; N (specifical) in the specific of the sp	ORF (mV) [10 mV]* -(02.3 -(8-3) -(8-3) -(8-4) -(2.1 -(0.7) -(87-4)	

Well No. LSSC-18	Site/GMA Name	GERADICA /GMA)
	Sampling Personnel	KIC/MMIZ
	Date	10/25/07
	Weather	Suna Mid 60's

WELL	INFORMA	TION -	See	Page 1	١
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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]*
1740	100	1.44	NA	12.80	7.74	0431	Z		*ブ· Z
1725	100	1.57		12.59	7.74	0.907		0.80	-87. Z -86.4
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* The stabilizati	on criteria for e	ach field parame					ls) is listed in each		
OBSERVATIO	NS/SAMPLING	METHOD DEVI	ATIONS	- ایکادی سند چو	~ 1.261 mg C	01725	Timber	celilojus 5 de	· 5 th c.~
G. 14-15	-				٠ - الساء				

GROUNDWATER SAMPLING LOG

Well No.	1W-4R					GE, P.J.	Isheld,	/GMA1		
Kay Na.	-			Sampling	Personnel <u>K</u>	(C/ 93	- 1			
	round (ppm)				Date _	10/1	7/011			
	[(mqq) oosgel				Weather 🔍	Jonnit-	<u> </u>			
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						ν.		1220		
WELL INFORMA	ATION Point Marked?	Y N					Sample Tirde Sample ID	ML	1-4R	
		,	Meas, From				Ouplicate ID			
Height of K	eference Point_ Well Diameter_	2"	(4,000,11,000,				MS/MSD			
	Interval Depth	7-14	Meas. From _	Granni			Split Sample ID			
Screen	er Table Depth _	10 40		T15						
Wate	er rable Depth _	14.05	Meas. From	TIL		Required	Analytical P	arameters:	Collected	
)	Water Column_	2.65				(\times)	VOCs (S	Std. list)	(X)	
Cenguror	Water Column Water in Well	0.600 ml	oν			()	VOCs (F		()	
O Shire O salata	of Pump/Tubing	12.5	Meas, From	TIL		()	SVC		()	
lutake Debat o	ar ampirossig_		_			()	PCBs (()	
Reference Point	Idantification:					()	PCBs (Di		()	
	er (PVC) Casing					()	Metals/Inorg		()	
TOC: Top of Ot		Casina				()	Metals/Inorgani		()	
Grade/BGS: Gr		Jacking				()	EPA Cyanide		()	
Grage/603. Gr	Odija Sanaco	•				()	PAC Cyanide		()	
Redevelop?	v (N)					(}		/PCDFs	()	
Madatalop.						()		/Herbicides	()	
						()		ttenuation	()	
						()	Other (Specity)	()	
Pr P Minu	INFORMATION ump Start Time ump Stpp Time ites of Pumping Valer Removed	1225	lons		Evacuation Meth Peristaltic Pump Pump Type:	(X) Sub	mersible Pump (-	cify ()	
	id Well Go Dry?				Samples collect	ed by same met	hod as evacuation √PS			,
	id Well Go Dry?	Y (Ŋ)			Samples collect	ed by same mel	hod as evacuation √PS	1? (Y) N (specifically No. 1)		incti
	id Well Go Dry?	Y (Ŋ)		<u>)30D3</u> 4	Samples collect	ed by same mel	hod as evacuation √PS			inste
	id Well Go Dry? Water Quality M	Y (N)	erial Numbers:	<u>)3003</u> 9	Samples collect	ed by same mel	hod as evacuation √PS			incte
Di	id Well Go Dry? Water Quality iv	Y (Ñ) leiler Type(s) / Si Total	erial Numbers: Water	<u>)3(D3</u> (Samples collect	ed by same met	hod as eVacuation 1PS 55 (n	Hach 2100	ORP (mV)	incti
	water Quality iv Pump Rate	Y (Ñ) Inier Type(s) / Si Total Gallons	erial Numbers: Water Level		Samples collect	cd by same mel	hod as evacuation	Hach 2100	P Taveid	incte
Di	Water Quality iv Pump Rate (Limin.)	Y (Ñ) leiler Type(s) / Si Total	Water Level (ft TIC)	<u>)3(D3</u> (Samples collect	Sp. Cond. (mS/cm)	hod as evacuation 105 50 Turbidity (NTU) [10% or 1 NTU]	DO (mg/l)	ORP (mV)	incte
Di	water Quality iv Pump Rate	Y (N) Isier Type(s) / Si Total Gailons Removed O . 2 G	Water Level (ft TIC)		Samples collect	Sp. Cond.	hod as eVacuation IPS 55 (n Turbidity (NTU) [10% or 1 NTU]	DO (mg/l)	P ブロレビン) ORP (mV) [10 mV)*	incte
Di	Water Quality iv Pump Rate (Limin.)	Y (N) Inier Type(s) / Si Total Gallons Removed	Water Level (ft TIC))3(D3(Samples collect	Sp. Cond. (mS/cm)	hod as evacuation 105 50 Turbidity (NTU) [10% or 1 NTU]	Hack 2/00 DO (mg/l) [10% or 0.1 mg/l]*	P Two Light	incte
Time	Water Quality iv Pump Rate (Limin.)	Y (N) Isier Type(s) / Si Total Gailons Removed O . 2 G	Water Level (ft TIC) 10, 70 10, 74)3(D3) Temp. (Colsius) [3%]*	Samples collect Q AE pH X [0.1 units]*	sp. Cond. (mS/cm) (3%)*	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 13 4	Hack 2/00 DO (mg/l) [10% or 0.1 mg/l]*	P ブロレビン) ORP (mV) [10 mV)*	incte
Time 1120 1125 1130	Water Quality iv Pump Rate (Limin.)	Y N Total Gallons Removed O. 2.6 O. 53	Water Level (ft TIC) 10, 70 10, 74	730030 Temp. (Coisius) [3%]* 	9H * [0,1 units]* [0,1 0	Sp. Cond. (mS/cm) [3%]*	hod as eVacuation (PS) Turbidity (NTU) [10% or 1 NTU]* 3 4 7 2	Hach 2100 DO (mg/l) [10% or 0.1 mg/l]* — 1. 27) 1.246	ORP (mV) (10 mV)* -55.7	inctr
Time 1120 1125 1130 1135	Water Quality iv Pump Rate (Limin.)	Y (N) Total Gallons Removed 0.26 0.53 0-79	Water Level (ft TIC) 10, 70 10, 74	730030 Temp. (Colsius) [3%]* 	Samples collect Q AE pH X [0.1 units]*	Sp. Cond. (mS/cm) [3%]* 1.255 1,244 1.234	hod as eVacuation IPS 55 (s) Turbidity (NYU) [10% or 1 NYU] 13 4 7 2	Hack 2/00 DO (mg/l) [10% or 0.1 mg/l]*	ORP (mV) [10 mV]* -55.7 -55.9 -60.6	incto
Time 1120 1135 1130 1140	Water Quality iv Pump Rate (Limin.)	Y (N) Total Gallons Removed 0.26 0.53 0-79 1.06 1.32	Water Level (ft TIC) /D. 7-0 /O; 7-2 /O, 7-0 /O, 7-4	730030 Temp. (Coisius) [3%]* 	9H * [0,1 units]* [0,1 0	Sp. Cond. (mS/cm) [3%]*	hod as eVacuation (PS) Turbidity (NTU) [10% or 1 NTU]* 3 4 7 2	Hach 2100 DO (mg/l) [10% or 0.1 mg/l]* — 1. 27) 1.246	ORP (mV) (10 mV)	incte
Time 1120 1125 1130 1135 1140 1145	Water Quality iv Pump Rate (Limin.)	Y N Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59	Water Level (ft TIC) 10, 70 10, 72 10, 76 10, 74 10, 79	730030 Temp. (Coisius) [3%]* 	9H * [0,1 units]* [0,1 0	Sp. Cond. (mS/cm) [3%]* 1.255 1,244 1.234	hod as eVacuation IPS 55 (s) Turbidity (NYU) [10% or 1 NYU] 13 4 7 2	1.234 0.56 0.49	ORP (mV) [10 mV]* -55.7 -55.9 -62.8 -67.6	incte
Time 1120 1125 1130 1135 1140 1145 1160	Water Quality iv Pump Rate (L/min.)	Y N Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.85	Water Level (ft TIC) 10,70 10,72 10,76 10,76 10,30 10,80	730030 Temp. (Coisius) [3%]* 	PH X [0.1 units]* 10.10 10.85 11.24 11.24 9.22	Sp. Cond. (mS/cm) (3%)* 1.255 1.244 1.234 1.230 1.231	hod as eVacuation IPS SSC0 Turbidity (NTU) (10% or 1 NTU) 13 4 7 2 2 1	Hach 2100 (mg/l) [10% or 0.1 mg/l]* 1.27/ 1.246 1.234 0.56 0.49 0.49	ORP (mV) (10 mV) 	incte
Time 1120 1135 1130 1135 1140 1145 1160	Water Quality iv Pump Rate (L/min.)	Y N Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.85	Water Level (ft TIC) 10,70 10,72 10,76 10,76 10,30 10,80	730030 Temp. (Coisius) [3%]* 	PH X [0.1 units]* 10.10 10.85 11.24 11.24 9.22	Sp. Cond. (mS/cm) (3%)* 1.255 1.244 1.234 1.230 1.231	hod as eVacuation IPS SSC0 Turbidity (NTU) (10% or 1 NTU) 13 4 7 2 2 1	Hach 2100 (mg/l) [10% or 0.1 mg/l]* 1.27/ 1.246 1.234 0.56 0.49 0.49	ORP (mV) [10 mV]* -55.7 -55.9 -62.8 -67.6	incte
Time 1120 1135 1130 1135 1140 1145 1160 1155 *The stabiliza	Water Quality iv Pump Rate (L/min.) 200	Y (N) Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 1.85 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	PH X [0,1 units]* [0,1 0] [0,10] [0,85] [1,05] [1,24] [1,24] [1,24] [2,22] collected at 3-to	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.234 1.230 1.231 5-minute interv	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 1.3 4 7 2 2 1 2 als) is listed in eac	1.234 0.56 0.49 0.49 0.49 h column heading.	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	
Time 1120 1135 1130 1135 1140 1145 1160 1155 *The stabilization	Water Quality iv Pump Rate (L/min.) 200 tition criteria for e	Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 79 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	PH X [0,1 units]* [0,1 0] [0,10] [0,85] [1,05] [1,24] [1,24] [1,24] [2,22] collected at 3-to	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.234 1.230 1.231 5-minute interv	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 1.3 4 7 2 2 1 2 als) is listed in eac	1.234 0.56 0.49 0.49 0.49 h column heading.	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	
Time 1120 1135 1130 1135 1140 1145 1160 1155 *The stabilization	Water Quality iv Pump Rate (L/min.) 200	Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 79 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	PH X [0,1 units]* [0,1 0] [0,10] [0,85] [1,05] [1,24] [1,24] [1,24] [2,22] collected at 3-to	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.234 1.230 1.231 5-minute interv	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 1.3 4 7 2 2 1 2 als) is listed in eac	Hach 2100 (mg/l) [10% or 0.1 mg/l]* 1.27/ 1.246 1.234 0.56 0.49 0.49	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	
Time 1120 1135 1130 1135 1140 1145 1160 1155 *The stabilization	Water Quality iv Pump Rate (L/min.) 200 tition criteria for e	Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 79 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	PH X [0,1 units]* [0,1 0] [0,10] [0,85] [1,05] [1,24] [1,24] [1,24] [2,22] collected at 3-to	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.234 1.230 1.231 5-minute interv	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 1.3 4 7 2 2 1 2 als) is listed in eac	1.234 0.56 0.49 0.49 0.49 h column heading.	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	
Time 1120 1135 1130 1135 1140 1145 1160 1155 *The stabilization	Water Quality iv Pump Rate (L/min.) 200 tition criteria for e	Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 79 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	PH X [0,1 units]* [0,1 0] [0,10] [0,85] [1,05] [1,24] [1,24] [1,24] [2,22] collected at 3-to	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.234 1.230 1.231 5-minute interv	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 1.3 4 7 2 2 1 2 als) is listed in eac	1.234 0.56 0.49 0.49 0.49 h column heading.	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	
Time 1120 1125 1130 1135 1140 1145 1160 1155 The stabilize OBSERVATIO	Water Quality for Pump Rata (L/min.) 200 stion criteria for e	Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 79 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	PH X [0,1 units]* [0,1 0] [0,10] [0,85] [1,05] [1,24] [1,24] [1,24] [2,22] collected at 3-to	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.234 1.230 1.231 5-minute interv	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 1.3 4 7 2 2 1 2 als) is listed in eac	1.234 0.56 0.49 0.49 0.49 h column heading.	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	
Time 1120 1125 1130 1135 1140 1145 1160 1155 The stabilize OBSERVATIO ** Ch	Water Quality iv Pump Rata (L/min.) 200 Attion criteria for e DNS/SAMPLING E. & J	Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 79 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	PH X [0,1 units]* [0,1 0] [0,10] [0,85] [1,05] [1,24] [1,24] [1,24] [2,22] collected at 3-to	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.234 1.230 1.231 5-minute interv	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 1.3 4 7 2 2 1 2 als) is listed in eac	1.234 0.56 0.49 0.49 0.49 h column heading.	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	
Time 1120 1125 1130 1135 1140 1145 1160 1155 The stabiliza OBSERVATIO ** Ch	Water Quality iv Pump Rata (L/min.) 200 stion criteria for e cons/sampling eckel	Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 79 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	Samples collect 9.2 AE pH	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.230 1.230 1.231 5-minute interv	hod as evacuation IPS SSC0 Turbidity (NTU) [10% or 1 NTU] 13 4 7 2 2 1 2 als) is listed in eac	1.27/ 1.27/ 1.24/ 1.234/ 0.56 0.49 0.49 0.49 h column heading.	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	
Time 1120 1125 1130 1135 1140 1145 1160 1155 The stabiliza OBSERVATIC * Ch	Water Quality iv Pump Rata (L/min.) 200 Attion criteria for e DNS/SAMPLING E. & J	Total Gallons Removed 0.26 0.53 0.79 1.06 1.32 1.59 2.11 ach field parame	Water Level (ft TIC) /0, 70 /0, 72 /0, 74 /0, 74 /0, 79 /0, 80 10, 80	730030 Temp. (Coisius) [3%]* 75.67 14.80 14.73 14.74 15.01 14.90 scutive readings	Samples collect 9.2 AE pH	Sp. Cond. (mS/cm) [3%]* 1.255 1.244 1.230 1.230 1.231 5-minute interv	hod as eVacuation (PS) Turbidity (NTU) (10% or 1 NTU) 1.3 4 7 2 2 1 2 als) is listed in eac	1.27/ 1.27/ 1.24/ 1.234/ 0.56 0.49 0.49 0.49 h column heading.	ORP (mV) (10 mV): -55.7 -55.9 -62.8 -67.6 -65.1	

South the state of
Well No. HW-4R	SHOIGHM HAILIS	
190.	Sampling Personnel	KIC/JS
	Date	10/17/04
	Weather	Sonny 60's
		/

LEAFTE 1	INFORMA	TION.	Saa	Page 1

Time	Pump Rate (̇̀∐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/t) [10% or 0.1 mg/f]*	ORP (mV) [10 mV]*
1200	200	2.38	10,80	14.79	9.05	1.229	2_	0.48	-67.1
205	1	2.64	10.80	14,77	8.80	1,230	1	0.45	-64.3
1210		2.91	10.80	14.74	10,60	1.229	2	0.47	1.0F-
1215		3.17	10.80	14,74	11.63	1,229	1	0.49	-68.9
1220	V	3.43	10.80	14.00	11.72	1,229	2	0.50	-70.6
	red 1	a you	12014 —						
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Library in a sharp heading
*The stabilization criteria for each field parameter (three consecutive readings collected at 3- to 5-minute intervals) is listed in each column heading.
OBSERVATIONS/SAMPLING METHOD DEVIATIONS

GROUNDWATER SAMPLING LOG

Well No	. <u>N23</u>	C-07:	5.	(Situ/GMA Name	GFF	itts field	1GMA-	: /
Key No	· <u>253</u>		·····	Same	oling Personnel	GAR			
PID Ba	ckground (ppm	ı) <u> </u>		omptes,	Date	12/4/07			
Well H	eadspace (ppm)			Weather	OVERCO	st, 200F,	Winds 15-	danos
WELL INFOR	MATION						Sample Time	16:30	
, Referen	ce Point Marked	r (P) N	<i>,</i> .					N23C-0	273
Height o	f Reference Poir	nt	2 Meas, Fron	n Ground			Ouplicate ID		~
	Well Diamete						MS/MSD	<u> </u>	
Scre	en Interval Dapt	n 8.9'-16	Meas. From	Bround			Split Sample ID		
W	ater Table Dept			1. TIU	_				
		h 19.12'	Meas, From	1 TIC		Required	Analytica	Parameters:	Callected
	of Water Colum					()	VOC	(Stal. list)	()
		1.32gn				₹ 5	/ VOCs	(Exp. list)	()
Intake Depth	of Pump/Tubin	g <u>/5.1</u>	Meas. From	. T/L	_	()	· s	/OCs	()
ـ سا						()	PCB	s (Total)	()
	nt Identification:					()	PCBs (Dissolved)	(\mathcal{X})
	ner (PVC) Casir	-				()	Metals/Inc	rganics (Yotal)	()
	Outer (Protective	e) Casing				()	Metals/Inorga	nics (Dissolved)	()
Grade/BGS; (Ground Surface	•				()	EPA Cyani	de (Dissolved)	()
5	(~)					()	PAC Cyani	de (Dissolved)	()
Redevelop?	Y (N)	•				()	PCDE	s/PCDFs	()
						()	Pesticide	s/Herbicides	()
						()	Natural	Attenuation	()
F1461.47161	(415,000,000,000					()	Other	(Specify)	()
	INFORMATION ump Start Time								
	ump Slop Time				Evacuation Me	thod: Bailer () Bladder f	ump (A T)	
	ites of Pumping		Tario .		Peristaltic Pum		bmersible Pump (
		2.0 ga	110.N2				H-3pr/		eo Pump
U	id Well Go Dry?	Y			Samples coilec	ted by same me	thod as evacuatio	n? (Y) N (speci	fy) '
	Water Quality N	Agter Type(s) / S	iorial Numbers	451-5	SAMPS	Hack	2/000	-urbidim	يد
						77000		WYDIU; m	U7 W
	Pump	Totai	Water	Tomp.	pH	"Sp. Cond.	Turbidity	DO	480
Time	Rate	Gallons	Level	(Colsius)		(mS/cm)	(พาบ)	(mg/l)	1
	(L/min.)	Removed	(fit TIC)	[3%]*	(0.1 units)*	[3%]*	[10% or 1 NTU]*		l (tmV)
15:30	100m)	0.13	11.05				<u> </u>		(mV)
15.40	100ml		1103				6	,	(mV) [10 mV]*
استراز والمراز	100041	0.40	11-04	8.36	7.07	D.743	ے 3		[30 mV]*
15-45	100m)	0.40	11-04	8.36	7.07 7.11	 0.743 0.745	3 2	 3-25	[10 mV]*
15.42		<u> </u>	 	8.35	7.07 7.11 7.13	0.745	3	- 3-25 1-44	[10 mV]*
	100m)	0.53	11-04		7.11 7.13	0.745	3 2 1	 3-25 1-44 1-46	[10 mV]* -10.8 -22.7 -34.2
15.50 15.55	100m) 100ml 100ml	0.53 0.66 0.79	11-04 11-04 11-04 11-04	8.35 8.27 8.24	7.11 7.13 7.14	0.745 0.748 0.752	3	 3-25 1-44 1-46 1-09	[10 mV]*
15.50 15.55 16:00	100m) 100ml 100ml 100ml	0.53	11-04 11-04 11-04 11-04	8.35 8.27 8.24 8.17	7·11 7·13 7·14 7·12	0.745 0.748 0.752 0.754	3 2 1	 3.25 1.44 1.46 1.09 0.97	[10 mV]* -10.8 -22.7 -34.2 -39.7 -44.9
15.50 15.55	100m) 100ml 100ml 100ml	0.53 0.66 0.79 0.92	11-04 11-04 11-04 11-04	8.35 8.27 8.24	7.11 7.13 7.14 7.12 7.15	0.745 0.748 0.752	3 2 1 1 1	 3.25 1.44 1.46 1.09 0.97 0.89	[10 mV]*
15.50 15.55 16.00 16.05 16.10	100m) 100ml 100ml 100ml 100ml	0-53 0-66 0-79 0-92 1-06 1-19	11-04 11-04 11-04 11-04 11-04 11-04	8.35 8.27 8.24 8.17 8.13 8.04	7.11 7.13 7.14 7.12 7.15 7.16	0.745 0.748 0.752 0.754 0.752 0.752	3 2 1 1 1	 3.25 1.44 1.46 1.09 0.97 0.89 0.83	[10 mV]* -10.8 -22.7 -34.2 -39.7 -44.9
15.50 15.55 16.00 16.05 16.10	100 m) 100 m1 100 m1 100 m1 100 m1 100 m1 100 m1	0-53 0-66 0-79 0-92 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 er (three consec	8.35 8.27 8.24 8.17 8.13 8.04	7.11 7.13 7.14 7.12 7.15 7.16	0.745 0.748 0.752 0.754 0.752 0.752	3 2 1 1 1	 3.25 1.44 1.46 1.09 0.97 0.89 0.83	[10 mV]*
15.50 15.55 16.00 16.05 16.10 The stabilization	100 m) 100 ml	0-53 0-66 0-79 0-9 Z 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 11-04 er (three consectations	8.35 8.27 8.24 8.17 8.13 8.04 cutive readings of	7.11 7.13 7.14 7.12 7.15 7.16	0.745 0.748 0.752 0.754 0.752 0.752	3 2 1 1 1	 3.25 1.44 1.46 1.09 0.97 0.89 0.83	[10 mV]*
15.50 15.55 16.00 16.05 16.10 The stabilization	100 m) 100 ml 100 ml 100 ml 100 ml 100 ml sissampling if Pury	0-53 0-66 0-79 0-92 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 11-04 ar (three consec	8.35 8.27 8.24 8.17 8.13 8.04 cutive readings of	7.11 7.13 7.14 7.12 7.15 7.16	0.745 0.748 0.752 0.754 0.752 0.752	3 2 1 1 1	 3.25 1.44 1.46 1.09 0.97 0.89 0.83	[10 mV]*
15.50 15.55 16.00 16.05 16.10 The stabilization Exactly the	100 m) 100 m) 100 m) 100 m) 100 m) 100 m) 100 mi 10	0-53 0-66 0-79 0-92 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 11-04 11-04 or (three consections	8.35 8.27 8.24 8.17 8.13 8.04 cutive readings of	7.13 7.14 7.12 7.15 7.16 Dilected at 3- to	0.745 0.748 0.752 0.754 0.752 0.752 5-minuto interva	Z 1 1 1 0 s) is listed in each		[10 mV]* -10.8 -22.7 -34.2 -39.7 -44.9 -49.2 -52.2
15.50 15.55 16.00 16.05 16.10 The stabilization Exactly the	100 m) 100 m) 100 m) 100 m) 100 m) 100 m) 100 mi 10	0-53 0-66 0-79 0-92 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 11-04 11-04 or (three consections	8.35 8.27 8.24 8.17 8.13 8.04 cutive readings of	7.13 7.14 7.12 7.15 7.16 Dilected at 3- to	0.745 0.748 0.752 0.754 0.752 0.752 5-minuto interva	Z 1 1 1 0 s) is listed in each		[10 mV]* -10.8 -22.7 -34.2 -39.7 -44.9 -49.2 -52.2
15.50 15.58 16.00 16.05 16.10 The stabilization Exact Motor	100ml	0-53 0-66 0-79 0-92 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 11-04 11-04 or (three consections	8.35 8.27 8.24 8.17 8.13 8.04 cutive readings of	7.13 7.14 7.12 7.15 7.16 Dilected at 3- to	0.745 0.748 0.752 0.754 0.752 0.752 5-minuto interva	Z 1 1 1 0 s) is listed in each	 3.25 1.44 1.46 1.09 0.97 0.89 0.83	[10 mV]* -10.8 -22.7 -34.2 -39.7 -44.9 -49.2 -52.2
15.50 15.55 16.00 16.05 16.10 The stabilization English Motor	100ml	0-53 0-66 0-79 0-92 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 11-04 11-04 or (three consections	8.35 8.27 8.24 8.17 8.13 8.04 cutive readings of	7.13 7.14 7.12 7.15 7.16 Dilected at 3- to	0.745 0.748 0.752 0.754 0.752 0.752 5-minuto interva	Z 1 1 1 0 s) is listed in each		[10 mV]* -10.8 -22.7 -34.2 -39.7 -44.9 -49.2 -52.2
15.50 15.55 16.00 16.05 16.10 The stabilization English Motor Laboratory:	100m) 100m) 100m) 100m) 100mi	0-53 0-66 0-79 0-92 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 11-04 11-04 or (three consections	8.35 8.27 8.24 8.17 8.13 8.04 cutive readings of	7.13 7.14 7.12 7.15 7.16 Dilected at 3- to	0.745 0.748 0.752 0.754 0.752 0.752 5-minuto interva	Z 1 1 1 0 s) is listed in each		[10 mV]* -10.8 -22.7 -34.2 -39.7 -44.9 -49.2 -52.2
15.50 15.55 16.00 16.05 16.10 The stabilization English Motor	100m) 100m) 100m) 100m) 100mi	0-53 0-66 0-79 0-92 1-06 1-19 ch field paramet	11-04 11-04 11-04 11-04 11-04 11-04 11-04 11-04 or (three consections	8.35 8.27 8.24 8.17 8.13 8.04 cutive readings of the way	7.13 7.14 7.12 7.15 7.16 Dilected at 3- to	0.745 0.748 0.752 0.752 0.752 0.753 5-minuto interva	2 1 1 1 0 b) is listed in each		[10 mV]* -10.8 -22.7 -34.2 -39.7 -44.9 -49.2 -52.2

GROUNDWATER SAMPLING LOG

Well No.	NZS	<u>C- 075</u>		-	ing Personnel Date	GAR 12/4/07	ts field / st, 200F,		5-20mp
LL INFORI	MATION - See I	Page 1							
T:	Pump	Total	Water	Temp.	На	Sp. Cond.	Turbidity	· DO	ORP

Time	Pump Rate (Umin.)	Total Gallons Removed	Water Levet (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]*
16:15		1.32	11.04	7.82	7-17	6.752	0	0.73	~5°5° 6
16:20		1-45	11-04	7.84	7.17	0.752	0	0.66	-58.0
16:25	100 ml	1.59	11-04	7.97	7.17	0.748	0	0.65	~60.C
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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 '

GROUNDWATER SAMPLING LOG

Weil No.	RF-	07			/GMA Name _	GN.	CAL			
Key No.				Samplin	g Personnel 📜					
PiD Back	ground (ppm)		·		Date _		2/0/			
Well Hea	фар <mark>исе (р</mark> ет)		*		Weather _	OVETCE	est, rai	71/		
							Camala Yma	1/225)	
WELL INFORM		<u>(</u>					Sample Time Sample ID	RF-03	_,	•
	Point Marked?	(Y) N.		/ A 15			Ouplicate ID	151 52 2	<u> </u>	
Height of F	Ceference Point_	7021	Meas. From	GRANN)		MS/MSD			
	Well Diameter			a.c. c			Split Sample ID			
	Interval Depth	370	Meas. From _				Spik Sallipis ID			
Wai	ter Table Depth	7:00	Meas. From _ Meas. From _			Required	Analytical	arameters:	Collected	
	Well Depth	1442	Meas, From			()		(Std. list)	()	
-	Water Column	7.34.01	da.) ; ·		(Exp. list)	()	
	of Water in Wes	7 7 7		TIC		()		OCs .	()	
intake Depth o	of Pump/Tubing	(445)	Meas, From _			()		(Total)	()	
						(><)		Dissolved)	$\langle \times \rangle$	
Reference Poin						· / · /		ganics (Total)	()	
	er (PVC) Casing					, ,		ics (Dissolved)	1 1	
	uter (Protective)	Casing				()		e (Dissolved)	()	
Grade/BGS: G	round Surface					()		le (Dissolved)	, ,	
						()	•	MPCDFs	()	
Redavelop?	YW					, ,		/Herbicides	1 1	
	•					()	•	Altenuation	* *	
						()		(Specify)	()	
	INFORMATION					,	Cruios	(G)(COI))	, ,	
P: Minu	ump Start Time ump Stop Time tes of Pumping Vater Removed	58	al	:	Evacuation Met Peristailic Pump Pump Type;	Sur OPCCOL) Bladder Pomerstyle (Pump (ecify ()	
								· / /\		
Di	d Well Go Dry?	YNY			Samples collect	ed by samo me	thod as evacuation	17 Y N (speci	fy)	
	• •					. 1	thod as evacuation	\sim		08 18 410 ma
	• •	eter Type(s) / Se	nal Numbers:		Samples collect	. 1	thod as byscuation	392)/H/	ACH TLU	RISIDMETER
	• •	eter Type(s) / Se	rial Numbers:	YSI 3:	56 MP	<u>5 H J</u>	(0300	392)/41/	1CH 7CU	CRIDMETER
	• •		rial Numbers:	YSJ 5		Sp. Cond.	C3C	392)/H/	1CH 7CU W:0202	erjometer coopes in
	Water Quality M Pump Rate	eter Type(s) / Se Total Gallons	Water Level	YSJ 5	Sto MP	Sp. Cond. (mS/cm)	C3CC	39.2)/H/ 00 (mg/l)	1CH 7LU 10:0202 0RP (mV)	RBIDMETER COCRES IL
<u> </u>	Water Quality M	eter Type(s) / Se	Water	YSJ 5	56 MP	Sp. Cond.	Tarbidity (NTU) [10% or 1 NTU]	392)/H/	1CH 7CU W:0202	RBIDMETER OPCIES TH
<u> </u>	Water Quality M Pump Rate	eter Type(s) / Se Total Gallons	Water Level	YSJ 5	Sto MP	Sp. Cond. (mS/cm)	C3CC	39 2 / (// 00 (mg/l) [10% or 0.1 mg/l]*	1CH 7LU 10:0202 0RP (mV)	RBIDMETER COOPE'S IL
<u> </u>	Water Quality M Pump Rate (ML/min.)	eter Type(s) / Se Total Gallons	Water Lovel (ft TIC) 7./0	YSJ 5	pH [0.1 units]*	Sp. Cond. (mS/cm) [3%]*	Tarbidity (NTU) [10% or 1 NTU]	39.2)/H/ 00 (mg/l)	(CH 7(U) (N): 0202 (mV) (10 mV)* - 3(L. 2)	RBIDMETER CODES IN
<u> </u>	Water Quality M Pump Rate (ML/min.)	eter Type(s) / Se Total Gallons	Water Level (ft TIC)	YST 5 " Yemp. (Caleius) [3%]"	pH [0.1 units]*	\$p. Cond. (m\$/cm) [3%]*	Tarbidity (NTU) [10% or 1 NTU]	39 2 / (// 00 (mg/l) [10% or 0.1 mg/l]*	(mV) [10 mV]*	RBIDMETER CODES IN
<u> </u>	Water Quality M Pump Rate (ML/min.)	eter Type(s) / Se Total Gallons	Water Lovel (ft TIC) 7./0	YST 5 " Yemp. (Caleius) [3%]"	pH [0.1 units]*	Sp. Cond. (ms/cm) [3%]*	Tarbidity (NTU) [10% or 1 NTU]	39 2 / (// 00 (mg/l) [10% or 0.1 mg/l]*	(CH 7(U) (N): 0202 (mV) (10 mV)* - 3(L. 2)	RBIDMETER COPES IL
1138 1148 1153 1158	Pump Rate (r/(L/min.)) 150 [CC]	C.245	Water Level (ft TIC) 7.10 7.10 7.10	YST 5: Temp. (Caleius) 13%1: 13.18 12.23 12.23	pH [0.1 units]* 7.0(p 7.05	Sp. Cond. (ms/cm) [3%]*	Tarbidity (NTU) [10% or 1 NTU]	39 2) / (// 00 (mg/l) (10% or 0.1 mg/l)* 5.19	(mV) (13.7	RBIDMETER COPES IN
<u> </u>	Pump Rate (v(L/min.)	C. 245	Water Level (ft TIC) 7.10 7.10 7.10	YSI 5: Temp. (Caleius) [3%]* 12.18 12.23 12.24 12.33	pH [0.1 units]* 7.04 7.05 7.03	Sp. Cond. (ms/cm) [3%]* 	Tarbidity (NTU) [10% or 1 NTU]	392) (4/ 50 (mg/l) (10% or 0.1 mg/l)* 5.19 1.71 1.25	(CH 7(U) (N) = 6262 (mV) (10 mV)* - 34.2 13.7 7.4	RBIDMETER COPEY IL
1138 1148 1153 1158 1203	Pump Rate (r/k/min.) 150 100 100	C.245	Water Level (ff TIC) 7.10 7.10 7.10 7.10	YST 5: Temp. (Caleius) 13%1: 13.18 12.23 12.23	pH [0.1 units]* 7.04 7.05 7.03 7.03	Sp. Cond. (ms/cm) [3%]* 1,401 1,414 1,413	Tarbidity (NTU) [10% or 1 NTU]	392) (4/ 50 (mg/l) (10% or 0.1 mg/l)* 5.19 1.71 1.25	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	RBIDMETER COPE'S IL
Timo 1138 1148 1153 1158 1158	Pump Rate (r/(L/min.) 150 100 100 100 100	Total Galtone Removed C. Alc5 C. ST7 C. GG	Water Level (fr Tic) 7.10 7.10 7.10 7.10 7.10	YST 5: Yemp. (Coleius) [3%]* 12.23 12.33 12.34 12.34 12.34	1,04 7,04 7,05 7,03 7,03 7,03 7,03 7,03	Sp. Cond. (ms/cm) [3%]* - 1,401 1,413 1,410 1,408	Tarbidity (NTU) [10% or 1 NTU]	392) (4/ 50 (mg/l) (10% or 0.1 mg/l)* 5.19 1.71 1.25	(CH 7(U) (N) - 6262 (mV) [10 mV]* - 34.2 13.7 7.4 5.0 1.5	RBIDMETER
Time 1138 1148 1153 1158 1203 1204 1211	Water Quality M Pump Rate (r/(L/min.) 150 100 100 100 100	C.265 C.377 C.661 C.773 C.673	Water Lovel (ff TIC) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	12.23 12.33 12.33 12.33 12.34 12.34 12.34	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Gond. (ms/cm) [3%]* 1.401 1.413 1.413 1.405	Tarbidity (NTU) [10% or 1 NTU]	5.19 1.71 1.25 1.04 0.93 0.80	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	RBIDMETER
Time 1138 1148 1153 1158 1208 1208 1211 1214	Pump Rate (ry(L/min.) 150 LCC LCC LCC LCC LCC LCC LCC LCC LCC LC	C.265 C.377 C.661 C.773 C.673	Water Level (ff Tic) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	12.23 12.33 12.33 12.33 12.34 12.34 12.34	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Gond. (ms/cm) [3%]* 1.401 1.413 1.413 1.405	Tarbidity (NTU) [10% or 1 NTU]	392) / (1/2) / (2/2) /	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	RBIDMETER CODES IN
Time 1138 1148 1153 1158 1208 1208 1211 1214	Pump Rate (ry(L/min.) 150 LCC LCC LCC LCC LCC LCC LCC LCC LCC LC	Total Galtone Removed C.:265 C.527 C.666 C.763 C.675 C.675 C.675 C.675	Water Level (ff Tic) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	12.23 12.33 12.33 12.33 12.34 12.34 12.34	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Gond. (ms/cm) [3%]* 1.401 1.413 1.413 1.405	Tarbidity (NTU) [10% or 1 NTU]	5.19 1.71 1.25 1.04 0.93 0.80	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	RBIDMETER
Time 1138 1148 1153 1158 1208 1208 1211 1214	Pump Rate (ry(L/min.) 150 LCC LCC LCC LCC LCC LCC LCC LCC LCC LC	Total Galtone Removed C.:265 C.527 C.666 C.763 C.675 C.675 C.675 C.675	Water Level (ff Tic) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	12.23 12.33 12.33 12.33 12.34 12.34 12.34	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Gond. (ms/cm) [3%]* 1.401 1.413 1.413 1.405	Tarbidity (NTU) [10% or 1 NTU]	5.19 1.71 1.25 1.04 0.93 0.80	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	RBIDMETER
Time 1138 1148 1153 1158 1208 1208 1211 1214	Pump Rate (ry(L/min.) 150 LCC LCC LCC LCC LCC LCC LCC LCC LCC LC	Total Galtone Removed C.:265 C.527 C.666 C.763 C.675 C.675 C.675 C.675	Water Level (ff Tic) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	12.23 12.33 12.33 12.33 12.34 12.34 12.34	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Gond. (ms/cm) [3%]* 1.401 1.413 1.413 1.405	Tarbidity (NTU) [10% or 1 NTU]	5.19 1.71 1.25 1.04 0.93 0.80	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	RBIDMETER
Time 1138 1148 1153 1158 1208 1208 1211 1214	Pump Rate (ML/min.) 150 100 100 100 100 100 100 100 100 100	Total Galtone Removed C.:265 C.527 C.666 C.763 C.675 C.675 C.675 C.675	Water Level (ff Tic) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	12.23 12.33 12.33 12.33 12.34 12.34 12.34	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Gond. (ms/cm) [3%]* 1.401 1.413 1.413 1.405	Tarbidity (NTU) [10% or 1 NTU]	5.19 1.71 1.25 1.04 0.93 0.80	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	RBIDMETER
1138 1148 1153 1158 1203 1203 1203 1204 1211 1214 The stabilizat OBSERVATIO	Water Quality M Pump Rate (nr(L/min.) 150 100 100 100 100 100 100 100 100 100	Total Galtone Removed C.:265 C.527 C.666 C.763 C.675 C.675 C.675 C.675	Water Level (ff Tic) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	12.23 12.33 12.33 12.33 12.34 12.34 12.34	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Gond. (ms/cm) [3%]* 1.401 1.413 1.413 1.405	Tarbidity (NTU) [10% or 1 NTU]	5.19 1.71 1.25 1.04 0.93 0.80	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	RBIDMETER
Time	Pump Rate (rx(L/min.) 150 100 100 100 100 100 100 100 100 100	Total Galtone Removed C.:265 C.527 C.666 C.763 C.675 C.675 C.675 C.675	Water Level (ff Tic) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	12.23 12.33 12.33 12.33 12.34 12.34 12.34	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Gond. (ms/cm) [3%]* 1.401 1.413 1.413 1.405	Tarbidity (NTU) [10% or 1 NTU]	5.19 1.71 1.25 1.04 0.93 0.80	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	PRIDMETER
Time	Water Quality M Pump Rate (nr(L/min.) 150 100 100 100 100 100 100 100 100 100	Total Galtone Removed C.:265 C.527 C.666 C.763 C.675 C.675 C.675 C.675	Water Level (ff Tic) 7.10 7.10 7.10 7.10 7.10 7.10 7.10 7.10	YST 5: Temp. (Caleius) [3%]* 12.18 12.24 12.34 12.34 12.34 12.35 12.36 24.36	10.1 units] 7.04 7.05 7.03 7.03 7.02 7.02	Sp. Cond. (ms/cm) [3%]* 1.401 1.413 1.403 1.407 1.405 5-minuto intervi	Turbidity (NTU) [10% or 1 NTU] Q als) is listed in each	5.19 1.71 1.25 1.04 0.93 0.80	(CH 7(U) (N:020) (mV) (10 mV) 13.7 7.4 5.0 1.5	PRIDMETER

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L INFORM	Pump	Total	Water	Temp.	рН	Sp. Cond. (mS/cm)	Turbidity (NTU)	DO (mg/l)	ORP (mV)
Time	Rate (~(⊔min.)	Gallons Řemoved	Level (ft TIC)	(Celsius) [3%]*	[0.1 units]*	[3%]*	[10% or 1 NTU]*	[10% or 0.1 mg/l]*	[10 mV]* - 1 · W
यान	100	1.03	7.10	12.43	7.02	1.404	 	0,77 C.82	-2.5
252	1:00	1.11	7.10	12-33	7.C2	1.707			
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Appendix B

Groundwater Analytical Results

Table B-1 Fall 2007 Groundwater Analytical Results

Volatile Organics		Site ID:	30s Complex	East St. Area 1 - North	Ea	ast St. Area 1 - South
Volatile Organics		Sample ID:	RF-02	ESA1N-52	139R	72R
1,1,1,2-flate/inforeshane	Parameter		10/12/07	10/18/07	10/23/07	10/23/07
1,1,1-Trichloroethane				-		
1,1,2,2-Telrothoroethane						
1,12-Trichloroethane						
1.1-Dichlorosthane	, , ,					(/ [(/]
1.1-Dickloroethene						
1,2,3-Trichloropropane	,					, , , , , , , , , , , , , , , , , , , ,
1,2-Dibromo-3-chloropropane						
1.2-Dibromoethane		•				
1,2-Dichloroethane						
1,2-Dichloropropane						
1.4-Dioxane						
2-Butanone		ane				
2-Chloro-1,3-butacliene						, , , , ,
2-Chloroethylvinylether NA NA NA NA R [ND(0.013) J] 2-Hexanone NA NA NA NA NA ND(0.0050) [ND(0.0050)] 3-Chloropropene NA NA NA NA ND(0.0050) [ND(0.0050)] 4-Methyl-2-pentanone NA NA NA NA ND(0.0050) [ND(0.0050)] 4-Methyl-2-pentanone NA NA NA NA ND(0.0050) [ND(0.0050)] A-cetone NA NA NA NA ND(0.0050) [ND(0.0050)] A-cetone NA NA NA NA ND(0.0050) [ND(0.0050)] A-cetone NA NA NA NA ND(0.020) J [ND(0.0050)] A-cetone NA NA NA NA ND(0.020) J [ND(0.0050)] A-cetone NA NA NA NA ND(0.020) J [ND(0.020) J] A-cetonitrile NA NA NA NA ND(0.020) J [ND(0.025) J] A-cetonelin NA NA NA NA ND(0.025) J [ND(0.025) J] B-cetone NA NA NA NA ND(0.025) J [ND(0.025) J] B-cetone NA NA NA NA ND(0.0010) [ND(0.025) J] B-cetone NA NA NA NA ND(0.0010) [ND(0.0010)] B-comodichloromethane NA NA NA ND(0.0010) [ND(0.0010)] B-comodichloromethane NA NA NA ND(0.0010) J [ND(0.0010)] C-carbon Disulfide NA NA NA ND(0.0010) J [ND(0.0010)] C-clorocethane NA NA NA NA ND(0.0010) J [ND(0.0010)] C-clorocethane NA NA NA NA ND(0.0010) J [ND(0.0010)] C-clorocethane NA NA NA NA ND(0.0010) [ND(0.0010)] C-clorocethane NA NA NA NA ND(0.0010) [ND(0.0010)] C-clorocethane NA NA NA NA ND(0.0010) [ND(0.0010)] C-lorocethane NA NA NA NA NA NA ND(0.0010) [ND(0.0010)] C-lorocethane NA NA NA NA NA NA ND(0.0010) [ND(0.0010)] C-lorocethane NA NA NA NA NA NA ND(0.0010) [ND(0.0010)] C-lorocethane NA NA NA NA NA NA ND(0.0010) [ND(0.0010)] C-l		adiene				
2-Hexanone						, , , , , , , , , , , , , , , , , , , ,
3-Chicropropene		ylotiloi				
A-Methyl-2-pentanone NA		9				/ 1 / / / / / / / / / / / / / / / / / /
Acetone						
Acetonitrile	Acetone					(/ [(/]
Acrylonitrile	Acetonitrile		NA	NA	NA	
Benzene	Acrolein		NA	NA	NA	· / • · / •
Bromodichloromethane	Acrylonitrile		NA	NA	NA	
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Total VOCs NA NA NA ND(0.10) [ND(0.10)]	Xylenes (total)		NA	NA	NA	ND(0.0010) [ND(0.0010)]
	Total VOCs		NA	NA	NA	ND(0.10) [ND(0.10)]

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:	30s Complex	East St. Area 1 - North	Ea	st St. Area 1 - South
	Sample ID:	RF-02	ESA1N-52	139R	72R
Parameter D	ate Collected:	10/12/07	10/18/07	10/23/07	10/23/07
PCBs-Filtered					
Aroclor-1016		ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.000065)
Aroclor-1221		ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.00065)
Aroclor-1232		ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.00065)
Aroclor-1242		ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.00065)
Aroclor-1248		ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.00065)
Aroclor-1254		ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.00065)
Aroclor-1260		ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.00065)
Total PCBs		ND(0.00010)	ND(0.000072) J	ND(0.000065)	ND(0.00065)
Semivolatile Organ	nics	(,	(======================================	(,	(
1,2,4,5-Tetrachlorob		NA	NA	NA	NA
1,2,4-Trichlorobenze		NA NA	NA NA	NA NA	ND(0.0010) [ND(0.0010)]
1,2-Dichlorobenzen		NA NA	NA NA	NA NA	ND(0.0010) [ND(0.0010)]
1,2-Diphenylhydrazi		NA NA	NA NA	NA NA	NA
1,3,5-Trinitrobenzer		NA NA	NA NA	NA NA	NA NA
1,3-Dichlorobenzen		NA NA	NA NA	NA NA	ND(0.0010) [ND(0.0010)]
1.3-Dinitrobenzene	C .	NA NA	NA NA	NA NA	NA
1,4-Dichlorobenzen	۵	NA NA	NA NA	NA NA	ND(0.0010) [ND(0.0010)]
1,4-Naphthoguinone		NA NA	NA NA	NA NA	NA
1-Naphthylamine	,	NA NA	NA NA	NA NA	NA NA
2,3,4,6-Tetrachlorop	honol	NA NA	NA NA	NA NA	NA NA
2.4.5-Trichlorophen		NA NA	NA NA	NA NA	NA NA
2,4,6-Trichlorophen		NA NA	NA NA	NA NA	NA NA
2,4-Dichlorophenol	OI .	NA NA	NA NA	NA NA	NA NA
2,4-Dimethylphenol		NA NA	NA NA	NA NA	NA NA
2,4-Dinitrophenol		NA NA	NA NA	NA NA	NA NA
2.4-Dinitrophenor		NA NA	NA NA	NA NA	NA NA
2,6-Dichlorophenol		NA NA	NA NA	NA NA	NA NA
2.6-Dinitrotoluene		NA NA	NA NA	NA NA	NA NA
2-Acetylaminofluore	20	NA NA	NA NA	NA NA	NA NA
2-Chloronaphthalen		NA NA	NA NA	NA NA	NA NA
2-Chlorophenol	6	NA NA	NA NA	NA NA	NA NA
2-Methylnaphthalen	0	NA NA	NA NA	NA NA	NA NA
2-Methylphenol	Е	NA NA	NA NA	NA NA	NA NA
2-Naphthylamine		NA NA	NA NA	NA NA	NA NA
2-Napritriylariline		NA NA	NA NA	NA NA	NA NA
2-Nitrophenol		NA NA	NA NA	NA NA	NA NA
2-Picoline		NA NA	NA NA	NA NA	NA NA
3&4-Methylphenol		NA NA	NA NA	NA NA	NA NA
3,3'-Dichlorobenzidi	no	NA NA	NA NA	NA NA	NA NA
3,3'-Dimethylbenzid		NA NA	NA NA	NA NA	NA NA
3-Methylcholanthrer		NA NA	NA NA	NA NA	NA NA
3-Nitroaniline	ie	NA NA	NA NA	NA NA	NA NA
4,6-Dinitro-2-methyl	nhanal	NA NA	NA NA	NA NA	NA NA
4,6-Dinitro-2-methyl	prierioi	NA NA	NA NA	NA NA	NA NA
4-Bromophenyl-phe	nylothor	NA NA	NA NA	NA NA	
4-Bromopnenyi-pne 4-Chloro-3-Methylpl		NA NA	NA NA	NA NA	NA NA
, ,	IEIIOI	NA NA	NA NA	NA NA	
4-Chloroaniline		NA NA	NA NA	NA NA	NA NA
4-Chlorobenzilate	nylothor				NA NA
4-Chlorophenyl-phe	riyietner	NA NA	NA NA	NA NA	NA NA
4-Nitroaniline		NA NA	NA NA	NA NA	NA NA
4-Nitrophenol	. data	NA NA	NA NA	NA	NA NA
4-Nitroquinoline-1-o	xide	NA	NA	NA	NA

Table B-1 Fall 2007 Groundwater Analytical Results

Site ID:	30s Complex	East St. Area 1 - North	Fa	st St. Area 1 - South
Sample ID:	RF-02	ESA1N-52	139R	72R
Parameter Date Collected:	10/12/07	10/18/07	10/23/07	10/23/07
Semivolatile Organics (continued)		•		
4-Phenylenediamine	NA	NA	NA	NA
5-Nitro-o-toluidine	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	NA	NA	NA	NA
a,a'-Dimethylphenethylamine	NA	NA	NA	NA
Acenaphthene	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA
Acetophenone	NA	NA	NA	NA
Aniline	NA	NA	NA	NA
Anthracene	NA NA	NA	NA	NA NA
Aramite	NA NA	NA NA	NA	NA NA
Benzidine	NA NA	NA NA	NA NA	NA NA
Benzo(a)anthracene Benzo(a)pyrene	NA NA	NA NA	NA NA	NA NA
Benzo(b)fluoranthene	NA NA	NA NA	NA NA	NA NA
Benzo(g,h,i)perylene	NA NA	NA NA	NA NA	NA NA
Benzo(k)fluoranthene	NA NA	NA NA	NA NA	NA NA
Benzyl Alcohol	NA NA	NA NA	NA NA	NA NA
bis(2-Chloroethoxy)methane	NA NA	NA NA	NA NA	NA NA
bis(2-Chloroethyl)ether	NA	NA	NA	NA NA
bis(2-Chloroisopropyl)ether	NA	NA	NA	NA NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA
Butylbenzylphthalate	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA
Diallate	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA
Dibenzofuran	NA	NA	NA	NA
Diethylphthalate	NA	NA	NA	NA
Dimethylphthalate	NA NA	NA	NA	NA NA
Di-n-Butylphthalate	NA NA	NA	NA	NA NA
Di-n-Octylphthalate	NA NA	NA NA	NA NA	NA NA
Diphenylamine	NA NA	NA NA	NA NA	NA NA
Ethyl Methanesulfonate Fluoranthene	NA NA	NA NA	NA NA	NA NA
Fluorene	NA NA	NA NA	NA NA	NA NA
Hexachlorobenzene	NA NA	NA NA	NA NA	NA NA
Hexachlorobutadiene	NA NA	NA NA	NA NA	NA NA
Hexachlorocyclopentadiene	NA NA	NA NA	NA NA	NA NA
Hexachloroethane	NA NA	NA NA	NA NA	NA NA
Hexachlorophene	NA	NA	NA	NA
Hexachloropropene	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA
Isodrin	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA
Isosafrole	NA	NA	NA	NA
Methapyrilene	NA	NA	NA	NA
Methyl Methanesulfonate	NA	NA	NA	NA
Naphthalene	NA NA	NA	NA	ND(0.00010) [ND(0.00010)]
Nitrobenzene	NA NA	NA NA	NA NA	NA NA
N-Nitrosodiethylamine	NA NA	NA NA	NA NA	NA NA
N-Nitrosodimethylamine	NA NA	NA NA	NA NA	NA NA
N-Nitroso-di-n-butylamine	NA NA	NA NA	NA NA	NA NA
N-Nitroso-di-n-propylamine N-Nitrosodiphenylamine	NA NA	NA NA	NA NA	NA NA
N-Nitrosomethylethylamine	NA NA	NA NA	NA NA	NA NA
N-Nitrosomorpholine	NA NA	NA NA	NA NA	NA NA
N-Nitrosopiperidine	NA NA	NA NA	NA NA	NA NA
N-Nitrosopyrrolidine	NA NA	NA NA	NA NA	NA NA
o,o,o-Triethylphosphorothioate	NA NA	NA NA	NA NA	NA NA
o-Toluidine	NA	NA NA	NA NA	NA NA
p-Dimethylaminoazobenzene	NA NA	NA NA	NA NA	NA NA
Pentachlorobenzene	NA	NA	NA	NA
Pentachloroethane	NA	NA	NA	NA
<u> </u>				<u> </u>

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:	30s Complex	East St. Area 1 - North	Ea	ast St. Area 1 - South
	Sample ID:	RF-02	ESA1N-52	139R	72R
Parameter	Date Collected:	10/12/07	10/18/07	10/23/07	10/23/07
Semivolatile Or	ganics (continued)				
Pentachloronitro	benzene	NA	NA	NA	NA
Pentachloropher	nol	NA	NA	NA	NA
Phenacetin		NA	NA	NA	NA
Phenanthrene		NA	NA	NA	NA
Phenol		NA	NA	NA	NA
Pronamide		NA	NA	NA	NA
Pyrene		NA	NA	NA	NA
Pyridine		NA	NA	NA	NA
Safrole		NA	NA	NA	NA
Thionazin		NA	NA	NA	NA
Inorganics-Filte	ered				
Antimony		NA	NA	NA	ND(0.0400) [ND(0.0400)]
Arsenic		NA	NA	NA	ND(0.0100) [ND(0.0100)]
Barium		NA	NA	NA	0.0309 B [0.0302 B]
Beryllium		NA	NA	NA	ND(0.0100) [0.0100]
Cadmium		NA	NA	NA	ND(0.00500) [ND(0.00500)]
Chromium		NA	NA	NA	ND(0.0100) [ND(0.0100)]
Cobalt		NA	NA	NA	ND(0.0100) [ND(0.0100)]
Copper		NA	NA	NA	0.0260 J [ND(0.0100) J]
Cyanide-MADEF	P (PAC)	NA	NA	NA	ND(0.00600) [ND(0.00600)]
Lead		NA	NA	NA	ND(0.0100) [ND(0.0100)]
Mercury		NA	NA	NA	ND(0.000570) [ND(0.000570)]
Nickel		NA	NA	NA	ND(0.0500) J [ND(0.0500) J]
Selenium		NA	NA	NA	ND(0.0200) J [ND(0.0200) J]
Silver		NA	NA	NA	ND(0.0100) [ND(0.0100)]
Thallium		NA	NA	NA	ND(0.0100) J [ND(0.0100) J]
Tin		NA	NA	NA	ND(0.100) [ND(0.100)]
Vanadium		NA	NA	NA	ND(0.0500) [ND(0.0500)]
Zinc		NA	NA	NA	0.00558 B [ND(0.0500)]

Table B-1 Fall 2007 Groundwater Analytical Results

S	Site ID: East St.	. Area 1 - South	East St. Ar	ea 2 - North	East St. Area 2 - South
Sam	ple ID: GMA1-18	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter Date Coll	lected: 10/22/07	10/23/07	10/19/07	10/19/07	12/04/07
Volatile Organics					
1,1,1,2-Tetrachloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1,1-Trichloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1,2,2-Tetrachloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1,2-Trichloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1-Dichloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,1-Dichloroethene	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2,3-Trichloropropane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2-Dibromo-3-chloropropan		ND(0.0050) J	NA	NA	ND(1.0) J
1,2-Dibromoethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2-Dichloroethane	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2-Dichloropropane	NA NA	ND(0.0010)	NA	NA	ND(0.20)
1,4-Dioxane	NA NA	ND(0.10) J	NA	NA	ND(20) J
2-Butanone	NA NA	ND(0.0050) J	NA NA	NA	ND(1.0) J
2-Chloro-1,3-butadiene	NA NA	ND(0.0010)	NA NA	NA NA	ND(0.20)
2-Chloroethylvinylether	NA NA	ND(0.013) J	NA NA	NA	ND(2.5) J
2-Hexanone 3-Chloropropene	NA NA	ND(0.0050)	NA NA	NA NA	ND(1.0)
	NA NA	ND(0.0010)	NA NA	NA	ND(0.20)
4-Methyl-2-pentanone	NA NA	ND(0.0050)	NA NA	NA NA	ND(1.0)
Acetone		0.0047 J			ND(1.0)
Acetonitrile Acrolein	NA NA	ND(0.020) J ND(0.025) J	NA NA	NA NA	ND(4.0) J ND(5.0) J
Acrylonitrile	NA NA	ND(0.025) J	NA NA	NA NA	ND(5.0) J
Benzene	NA NA	ND(0.023) 3 ND(0.0010)	NA NA	NA NA	ND(0.20)
Bromodichloromethane	NA NA	ND(0.0010)	NA NA	NA NA	ND(0.20)
Bromoform	NA NA	ND(0.0010) ND(0.0010) J	NA NA	NA NA	ND(0.20)
Bromomethane	NA NA	ND(0.0010) J	NA NA	NA NA	ND(0.20)
Carbon Disulfide	NA NA	ND(0.0010)	NA NA	NA NA	ND(0.20)
Carbon Tetrachloride	NA NA	ND(0.0010)	NA NA	NA NA	ND(0.20)
Chlorobenzene	NA NA	0.00014 J	NA NA	NA NA	0.79
Chloroethane	NA NA	ND(0.0010)	NA NA	NA NA	ND(0.20)
Chloroform	NA NA	ND(0.0010)	NA	NA	ND(0.20)
Chloromethane	NA NA	ND(0.0010)	NA NA	NA NA	ND(0.20)
cis-1,3-Dichloropropene	NA NA	ND(0.0010)	NA NA	NA NA	ND(0.20)
Dibromochloromethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Dibromomethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Dichlorodifluoromethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Ethyl Methacrylate	NA	ND(0.0010)	NA	NA	ND(0.20)
Ethylbenzene	NA	ND(0.0010)	NA	NA	ND(0.20)
Iodomethane	NA	ND(0.0010) J	NA	NA	ND(0.20)
Isobutanol	NA	ND(0.050) J	NA	NA	ND(10) J
Methacrylonitrile	NA	ND(0.010)	NA	NA	ND(2.0)
Methyl Methacrylate	NA	ND(0.0010)	NA	NA	ND(0.20)
Methylene Chloride	NA	ND(0.0050)	NA	NA	ND(1.0)
Propionitrile	NA	ND(0.020) J	NA	NA	ND(4.0) J
Styrene	NA	ND(0.0010)	NA	NA	ND(0.20)
Tetrachloroethene	NA	ND(0.0010)	NA	NA	ND(0.20)
Toluene	NA	ND(0.0010)	NA	NA	ND(0.20)
trans-1,2-Dichloroethene	NA	ND(0.0010)	NA	NA	ND(0.20)
trans-1,3-Dichloropropene	NA	ND(0.0010)	NA	NA	ND(0.20)
trans-1,4-Dichloro-2-butene	NA	ND(0.0050)	NA	NA	ND(1.0)
Trichloroethene	NA	ND(0.0010)	NA	NA	ND(0.20)
Trichlorofluoromethane	NA	ND(0.0010)	NA	NA	ND(0.20)
Vinyl Acetate	NA	ND(0.0025)	NA	NA	ND(0.50)
Vinyl Chloride	NA	ND(0.0010)	NA	NA	ND(0.20)
Xylenes (total)	NA	ND(0.0010)	NA	NA	ND(0.20)
Total VOCs	NA	0.0048 J	NA	NA	0.79

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:	East St. Ar	ea 1 - South	East St. Area	a 2 - North	East St. Area 2 - South
	Sample ID:	GMA1-18	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter	Date Collected:	10/22/07	10/23/07	10/19/07	10/19/07	12/04/07
PCBs-Filtered						
Aroclor-1016		ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1221		ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1232		ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1242		ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1248		ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1254		ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Aroclor-1260		ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Total PCBs		ND(0.000065)	ND(0.000065) J	ND(0.000065) J	ND(0.000065)	NA
Semivolatile Orga						
1,2,4,5-Tetrachlord	obenzene	NA	NA	NA	NA	NA
1,2,4-Trichloroben	zene	NA	ND(0.0010)	NA	NA	0.18 J
1,2-Dichlorobenze	ne	NA	ND(0.0010)	NA	NA	ND(0.20)
1,2-Diphenylhydra		NA	NA	NA	NA	NA
1,3,5-Trinitrobenze		NA	NA	NA	NA	NA
1,3-Dichlorobenze		NA	ND(0.0010)	NA	NA	1.0
1,3-Dinitrobenzene		NA	NA	NA	NA	NA
1,4-Dichlorobenze	-	NA	0.0011	NA	NA	5.8
1,4-Naphthoquino	ne	NA	NA	NA	NA	NA
1-Naphthylamine		NA	NA	NA	NA	NA
2,3,4,6-Tetrachlor		NA	NA	NA	NA	NA
2,4,5-Trichlorophe		NA	NA	NA	NA	NA
2,4,6-Trichlorophe		NA	NA	NA	NA	NA
2,4-Dichloropheno		NA	NA	NA	NA	NA
2,4-Dimethylpheno	ol	NA	NA	NA	NA	NA
2,4-Dinitrophenol		NA	NA	NA	NA	NA
2,4-Dinitrotoluene		NA	NA NA	NA	NA	NA NA
2,6-Dichloropheno)I	NA NA	NA NA	NA NA	NA	NA NA
2,6-Dinitrotoluene		NA NA	NA NA	NA NA	NA NA	NA NA
2-Acetylaminofluor		NA NA	NA NA	NA NA	NA NA	NA NA
2-Chloronaphthale	ene	NA NA	NA NA	NA NA	NA NA	NA NA
2-Chlorophenol		NA NA	NA NA	NA NA	NA NA	NA NA
2-Methylnaphthale	ene	NA NA	NA NA	NA NA	NA NA	NA NA
2-Methylphenol		NA NA	NA NA	NA NA	NA NA	NA NA
2-Naphthylamine		NA NA	NA NA	NA NA	NA NA	
2-Nitroaniline 2-Nitrophenol		NA NA	NA NA	NA NA	NA NA	NA NA
2-Nitroprierioi 2-Picoline		NA NA	NA NA	NA NA	NA NA	NA NA
3&4-Methylphenol		NA NA	NA NA	NA NA	NA NA	NA NA
3,3'-Dichlorobenzio		NA NA	NA NA	NA NA	NA NA	NA NA
3,3'-Dimethylbenzi		NA NA	NA NA	NA NA	NA NA	NA NA
3-Methylcholanthre		NA NA	NA NA	NA NA	NA NA	NA NA
3-Nitroaniline	on o	NA NA	NA NA	NA NA	NA NA	NA NA
4,6-Dinitro-2-meth	vlohenol	NA NA	NA NA	NA NA	NA NA	NA NA
4-Aminobiphenyl	, ip. 101101	NA NA	NA NA	NA NA	NA NA	NA NA
4-Bromophenyl-ph	envlether	NA NA	NA	NA NA	NA NA	NA NA
4-Chloro-3-Methyl		NA NA	NA NA	NA NA	NA NA	NA NA
4-Chloroaniline		NA NA	NA NA	NA NA	NA NA	NA NA
4-Chlorobenzilate		NA NA	NA	NA NA	NA NA	NA NA
4-Chlorophenyl-ph	envlether	NA	NA	NA NA	NA NA	NA NA
4-Nitroaniline	,	NA NA	NA NA	NA NA	NA NA	NA NA
			NA	NA NA	NA NA	NA NA
4-Nitrophenol	I	NA	INA	IVA	I IVA	ING.

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:	East St. A	rea 1 - South	East St. Are	a 2 - North	East St. Area 2 - South
	Sample ID:	GMA1-18	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter	Date Collected:	10/22/07	10/23/07	10/19/07	10/19/07	12/04/07
Semivolatile Or	rganics (continued)					
4-Phenylenedia	mine	NA	NA	NA	NA	NA
5-Nitro-o-toluidir		NA	NA	NA	NA	NA
	enz(a)anthracene	NA	NA	NA	NA	NA
a,a'-Dimethylphe	enethylamine	NA	NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA	NA
Acenaphthylene)	NA NA	NA	NA NA	NA	NA NA
Acetophenone Aniline		NA NA	NA NA	NA NA	NA NA	NA NA
Aniline Anthracene		NA NA	NA NA	NA NA	NA NA	NA NA
Aramite		NA NA	NA NA	NA NA	NA NA	NA NA
Benzidine		NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(a)anthra	cene	NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(a)pyrene		NA	NA NA	NA	NA NA	NA
Benzo(b)fluoran		NA	NA	NA	NA	NA
Benzo(g,h,i)pery		NA	NA	NA	NA	NA
Benzo(k)fluoran	thene	NA	NA	NA	NA	NA
Benzyl Alcohol		NA	NA	NA	NA	NA
bis(2-Chloroetho		NA	NA	NA	NA	NA
bis(2-Chloroethy		NA	NA	NA	NA	NA
bis(2-Chloroisop		NA	NA	NA	NA	NA NA
bis(2-Ethylhexyl	/1	NA NA	NA	NA NA	NA	NA NA
Butylbenzylphth	alate	NA NA	NA	NA NA	NA NA	NA NA
Chrysene Diallate		NA NA	NA NA	NA NA	NA NA	NA NA
Dialiate Dibenzo(a.h)ant	thracene	NA NA	NA NA	NA NA	NA NA	NA NA
Dibenzofuran	illacelle	NA NA	NA NA	NA NA	NA NA	NA NA
Diethylphthalate	,	NA NA	NA NA	NA NA	NA NA	NA NA
Dimethylphthala		NA NA	NA NA	NA NA	NA NA	NA NA
Di-n-Butylphthal		NA	NA	NA	NA	NA
Di-n-Octylphthal	late	NA	NA	NA	NA	NA
Diphenylamine		NA	NA	NA	NA	NA
Ethyl Methanesi	ulfonate	NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA
Hexachlorobenz		NA	NA	NA NA	NA	NA NA
Hexachlorobuta		NA NA	NA	NA	NA	NA NA
Hexachlorocyclo Hexachloroetha		NA NA	NA NA	NA NA	NA NA	NA NA
Hexachloropher		NA NA	NA NA	NA NA	NA NA	NA NA
Hexachloroprop		NA NA	NA NA	NA NA	NA NA	NA NA
Indeno(1,2,3-cd		NA NA	NA NA	NA NA	NA NA	NA NA
Isodrin)p).cc	NA	NA NA	NA	NA	NA
Isophorone		NA	NA	NA	NA	NA
Isosafrole		NA	NA	NA	NA	NA
Methapyrilene		NA	NA	NA	NA	NA
Methyl Methane	sulfonate	NA	NA	NA	NA	NA
Naphthalene		NA	ND(0.00010)	NA	NA	ND(0.020)
Nitrobenzene		NA	NA	NA	NA	NA NA
N-Nitrosodiethyl		NA NA	NA NA	NA NA	NA	NA NA
N-Nitrosodimeth N-Nitroso-di-n-b		NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitroso-di-n-p		NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosodipher		NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosomethyl		NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosomorph		NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosopiperio		NA NA	NA NA	NA NA	NA NA	NA NA
N-Nitrosopyrroli		NA	NA NA	NA NA	NA NA	NA
o,o,o-Triethylph		NA	NA	NA	NA	NA
o-Toluidine		NA	NA	NA	NA	NA
p-Dimethylamine	oazobenzene	NA	NA	NA	NA	NA
Pentachloroben		NA	NA	NA	NA	NA
Pentachloroetha	ane	NA	NA	NA	NA	NA

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:	East St. Are	ea 1 - South	East St. Are	a 2 - North	East St. Area 2 - South
	Sample ID:	GMA1-18	GMA1-6	ES1-05	ES1-27R	3-6C-EB-14
Parameter	Date Collected:	10/22/07	10/23/07	10/19/07	10/19/07	12/04/07
Semivolatile Or	ganics (continued)					
Pentachloronitro	benzene	NA	NA	NA	NA	NA
Pentachloropher	nol	NA	NA	NA	NA	NA
Phenacetin		NA	NA	NA	NA	NA
Phenanthrene		NA	NA	NA	NA	NA
Phenol		NA	NA	NA	NA	NA
Pronamide		NA	NA	NA	NA	NA
Pyrene		NA	NA	NA	NA	NA
Pyridine		NA	NA	NA	NA	NA
Safrole		NA	NA	NA	NA	NA
Thionazin		NA	NA	NA	NA	NA
Inorganics-Filte	ered					
Antimony		NA	NA	NA	NA	NA
Arsenic		NA	NA	NA	NA	NA
Barium		NA	NA	NA	NA	NA
Beryllium		NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA
Cobalt		NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA
Cyanide-MADEF	P (PAC)	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA
Mercury		NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA
Selenium		NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA
Thallium		NA	NA	NA	NA	NA
Tin		NA	NA	NA	NA	NA
Vanadium		NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA

Table B-1 Fall 2007 Groundwater Analytical Results

		Site ID:			East St. Ar	ea 2 - South		
		Sample ID:	E2SC-23	E2SC-24			GMA1-13	HR-G3-MW-1
1,1,2-Terlarobroethane	Parameter		10/25/07	10/24/07	10/25/07	10/25/07	10/12/07	10/25/07
1.1.1-Trichioroethane	Volatile Organic	s						
1.1.2_2-Trichtoroethane	1,1,1,2-Tetrachlo	roethane			ND(0.10)	ND(0.080)		NA
1,12-Tinchloroethane	' '				\ /			
1.5-Dichiprocembane	, , ,							
1,1-Dichiprocethene	, ,				` '			
1,23-Tirchloropropane					\ /			
	· ·							
	, ,-				\ /	\ /		
					\ /	\ /		
12-Dichloropropane	· ·				\ /			
A-Dioxane	,					\ /		
NA		ane						
Chlored National					` '			
Chloroethyvinylether NA		,,						
NA					\ /			
NA		letner						
Methyty2-pentanone								
NA					\ /			
National Company National Co		none						
NA NA NA ND(2.5) J ND(2.0) J NA NA NA NA NA NA NA					\ /	\ /		
NA								
Senzene								
Stromodichloromethane NA								
Bromoform NA		othana						
Bromomethane NA		etriarie			\ /	\ /		
Carbon Disulfide NA NA NA ND(0.10) ND(0.080) NA NA Carbon Tetrachloride NA NA NA ND(0.10) ND(0.080) NA NA Chlorosethane NA NA NA 2.1 0.39 NA NA Chlorosthane NA NA NA ND(0.10) 2.0 NA NA Chlorosthane NA NA ND(0.10) ND(0.080) NA NA Chlorosthane NA NA ND(0.10) ND(0.080) NA NA Chlorosthane NA NA NA ND(0.10) ND(0.080) NA NA Dibromochloromethane NA NA NA ND(0.10) ND(0.080) NA NA Dibromochloromethane NA NA NA ND(0.10) ND(0.080) NA NA Sibry Germethane NA NA NA ND(0.10) ND(0.080) NA NA Ethyl Methacrylate					(/			
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Chloroethane		nide						
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odomethane NA NA ND(0.10) ND(0.080) NA NA sobutanol NA NA NA ND(5.0) J ND(4.0) J NA NA Methacrylonitrile NA NA ND(1.0) ND(0.80) NA NA Methylene Chloride NA NA NA ND(0.10) ND(0.080) NA NA Methylene Chloride NA NA NA ND(0.10) ND(0.080) NA NA Propionitrile NA NA NA ND(2.0) J ND(1.6) J NA NA Propionitrile NA NA ND(0.00) J ND(0.60 J NA NA Styrene NA NA ND(0.10) J ND(0.60 J NA NA Styrene NA NA ND(0.10) ND(0.080) NA NA NA Fetrachloroethene NA NA ND(0.10) ND(0.080) NA NA NA Foluene NA NA NA ND(0.10) ND(0.080) NA NA	Ethylbenzene		NA			` '	NA	NA
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Methyl Methacrylate NA NA ND(0.10) ND(0.080) NA NA Methylene Chloride NA NA NA 0.022 J 0.031 J NA NA Propionitrile NA NA ND(2.0) J ND(1.6) J NA NA Styrene NA NA ND(0.10) ND(0.080) NA NA Fetrachloroethene NA NA ND(0.10) ND(0.080) NA NA Foluene NA NA ND(0.10) ND(0.080) NA NA Folichloroethene NA NA ND(0.10) ND(0.080) NA NA Frischloropropene NA NA ND(0.10) ND(0.080) NA NA Frischloroethene NA NA ND(0.10) ND(0.40) NA NA Frischloroethene NA NA ND(0.10) ND(0.080) NA NA Frischloroethene NA NA ND(0.10) ND(0.080) NA NA <	Isobutanol		NA	NA	ND(5.0) J	ND(4.0) J	NA	NA
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Methylene Chloride NA NA 0.022 J 0.031 J NA NA Propionitrile NA NA ND(2.0) J ND(1.6) J NA NA Styrene NA NA ND(0.10) ND(0.080) NA NA Fetrachloroethene NA NA ND(0.10) ND(0.080) NA NA Foluene NA NA ND(0.10) 0.042 J NA NA Varans-1,2-Dichloroethene NA NA ND(0.10) ND(0.080) NA NA Varans-1,3-Dichloropropene NA NA ND(0.10) ND(0.080) NA NA Varans-1,4-Dichloro-2-butene NA NA ND(0.10) ND(0.080) NA NA Frichloroethene NA NA NA ND(0.50) ND(0.40) NA NA Frichlorofluoromethane NA NA NA ND(0.10) ND(0.080) NA NA Vinyl Acetate NA NA NA ND(0.25)	Methyl Methacry		NA	NA	ND(0.10)	ND(0.080)	NA	NA
Propionitrile NA NA ND(2.0) J ND(1.6) J NA NA Styrene NA NA ND(0.10) ND(0.080) NA NA Fetrachloroethene NA NA ND(0.10) ND(0.080) NA NA Foluene NA NA ND(0.10) 0.042 J NA NA rans-1,2-Dichloroethene NA NA ND(0.10) ND(0.080) NA NA rans-1,3-Dichloropropene NA NA ND(0.10) ND(0.080) NA NA rans-1,4-Dichloro-2-butene NA NA ND(0.10) ND(0.080) NA NA richloroethene NA NA ND(0.50) ND(0.40) NA NA richloroethene NA NA ND(0.10) ND(0.080) NA NA richloroethene NA NA ND(0.10) ND(0.080) NA NA richloroethene NA NA ND(0.10) ND(0.080) NA NA			NA	NA	0.022 J	0.031 J	NA	NA
Fetrachloroethene NA NA ND(0.10) ND(0.080) NA NA Foluene NA NA NA ND(0.10) 0.042 J NA NA rans-1,2-Dichloroethene NA NA ND(0.10) ND(0.080) NA NA rans-1,3-Dichloropropene NA NA ND(0.10) ND(0.080) NA NA rans-1,4-Dichloro-2-butene NA NA ND(0.50) ND(0.40) NA NA Frichloroethene NA NA ND(0.10) ND(0.080) NA NA Frichlorofluoromethane NA NA ND(0.10) ND(0.080) NA NA Vinyl Acetate NA NA NA ND(0.25) ND(0.20) NA NA Vinyl Chloride NA NA NA ND(0.10) ND(0.080) NA NA Vilenes (total) NA NA NA NA NA NA NA	Propionitrile		NA	NA		ND(1.6) J		
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rans-1,2-Dichloroethene NA NA ND(0.10) ND(0.080) NA NA rans-1,3-Dichloropropene NA NA ND(0.10) ND(0.080) NA NA rans-1,4-Dichloro-2-butene NA NA ND(0.50) ND(0.40) NA NA Frichloroethene NA NA ND(0.10) ND(0.080) NA NA Frichlorofluoromethane NA NA ND(0.10) ND(0.080) NA NA Vinyl Acetate NA NA ND(0.25) ND(0.20) NA NA Vinyl Chloride NA NA ND(0.10) ND(0.080) NA NA Vylenes (total) NA NA NA 0.012 J 0.24 NA NA	Tetrachloroethen	e			\ /		NA	
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rans-1,4-Dichloro-2-butene NA NA ND(0.50) ND(0.40) NA NA Frichloroethene NA NA ND(0.10) ND(0.080) NA NA Frichlorofluoromethane NA NA ND(0.10) ND(0.080) NA NA Vinyl Acetate NA NA ND(0.25) ND(0.20) NA NA Vinyl Chloride NA NA ND(0.10) ND(0.080) NA NA Vylenes (total) NA NA 0.012 J 0.24 NA NA	trans-1,2-Dichlor	oethene						
Frichloroethene NA NA NA ND(0.10) ND(0.080) NA NA Frichlorofluoromethane NA NA ND(0.10) ND(0.080) NA NA Vinyl Acetate NA NA ND(0.25) ND(0.20) NA NA Vinyl Chloride NA NA ND(0.10) ND(0.080) NA NA Vylenes (total) NA NA 0.012 J 0.24 NA NA	,				\ /			
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/inyl Acetate NA NA ND(0.25) ND(0.20) NA NA /inyl Chloride NA NA ND(0.10) ND(0.080) NA NA (ylenes (total) NA NA 0.012 J 0.24 NA NA	Trichloroethene				` '			
/inyl Chloride NA NA ND(0.10) ND(0.080) NA NA Kylenes (total) NA NA 0.012 J 0.24 NA NA	Trichlorofluorome	ethane						
(ylenes (total) NA NA 0.012 J 0.24 NA NA	Vinyl Acetate							
	Vinyl Chloride				` '	` '		
Fotal VOCs NA NA 2.3 2.8 J NA NA	Xylenes (total)							NA
	Total VOCs		NA	NA	2.3	2.8 J	NA	NA

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:			East St. Ar	ea 2 - South		
Davamatar	Sample ID:	E2SC-23	E2SC-24	ES2-02A	ESA2S-64	GMA1-13	HR-G3-MW-1
Parameter	Date Collected:	10/25/07	10/24/07	10/25/07	10/25/07	10/12/07	10/25/07
PCBs-Filtered		ND (0.0000)	ND(0.00005)		1 11	ND(0.00044)	ND (0.00005)
Aroclor-1016		ND(0.00033)	ND(0.000065)	NA NA	NA NA	ND(0.00011)	ND(0.000065)
Aroclor-1221		ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1232		ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1242		ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1248		ND(0.00033)	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1254		0.00081	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Aroclor-1260		0.00053	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Total PCBs		0.00134	ND(0.000065)	NA	NA	ND(0.00011)	ND(0.000065)
Semivolatile Org							
1,2,4,5-Tetrachlo	robenzene	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobe	enzene	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenz	ene	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydr	azine	NA	NA	NA	NA	NA	NA
1,3,5-Trinitrobena	zene	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenz	ene	NA	NA	NA	NA	NA	NA
1,3-Dinitrobenzer	ne	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenz	ene	NA	NA	NA	NA	NA	NA
1,4-Naphthoquin	one	NA	NA	NA	NA	NA	NA
1-Naphthylamine		NA	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlo		NA	NA	NA	NA	NA	NA
2,4,5-Trichloroph		NA	NA	NA	NA	NA	NA
2,4,6-Trichloroph		NA	NA NA	NA	NA	NA	NA NA
2,4-Dichlorophen		NA	NA	NA	NA	NA	NA
2,4-Dimethylpher		NA	NA	NA	NA	NA	NA
2,4-Dinitropheno		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2,4-Dinitrotoluene		NA	NA	NA	NA	NA	NA
2,6-Dichlorophen		NA NA	NA	NA NA	NA NA	NA	NA NA
2.6-Dinitrotoluene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2-Acetylaminoflu	-	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2-Chloronaphtha		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2-Chlorophenol	icric	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2-Methylnaphtha	lone	NA NA	NA NA	NA NA	NA NA	NA	NA NA
2-Methylphenol	icric	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2-Naphthylamine	,	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2-Nitroaniline	,	NA NA	NA NA	NA NA	NA NA	NA	NA NA
2-Nitrophenol		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
2-Picoline		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3&4-Methylpheno	ol.	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3,3'-Dichlorobenz		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3,3'-Dimethylben		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3-Methylcholanth		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	irerie	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
3-Nitroaniline	hylphonol	A I A					
4,6-Dinitro-2-met		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
4-Aminobiphenyl		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
4-Bromophenyl-p		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
4-Chloro-3-Methy	yıpnenoi	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
4-Chloroaniline		NA	NA	NA NA	NA	NA	NA NA
4-Chlorobenzilate		NA	NA	NA	NA	NA	NA
4-Chlorophenyl-p	henylether	NA	NA	NA	NA	NA	NA
4-Nitroaniline		NA	NA	NA	NA	NA	NA
4-Nitrophenol		NA	NA	NA	NA	NA	NA
4-Nitroquinoline-	1-oxide	NA	NA	NA	NA	NA	NA

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:			East St. Ar	ea 2 - South		
	Sample ID:	E2SC-23	E2SC-24	ES2-02A	ESA2S-64	GMA1-13	HR-G3-MW-1
Parameter	Date Collected:	10/25/07	10/24/07	10/25/07	10/25/07	10/12/07	10/25/07
Semivolatile Or	ganics (continued)						
4-Phenylenedian	nine	NA	NA	NA	NA	NA	NA
5-Nitro-o-toluidin		NA	NA	NA	NA	NA	NA
7,12-Dimethylbe	` '	NA	NA	NA	NA	NA	NA
a,a'-Dimethylphe	enethylamine	NA	NA	NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA NA	NA	NA NA
Acenaphthylene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Acetophenone Aniline		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Anthracene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Aramite		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Benzidine		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(a)anthrac	ene	NA	NA NA	NA	NA NA	NA	NA
Benzo(a)pyrene		NA	NA	NA	NA	NA	NA
Benzo(b)fluorant	thene	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)pery	lene	NA	NA	NA	NA	NA	NA
Benzo(k)fluorant	hene	NA	NA	NA	NA	NA	NA
Benzyl Alcohol		NA	NA	NA	NA	NA	NA
bis(2-Chloroetho		NA	NA	NA	NA	NA	NA
bis(2-Chloroethy	/	NA	NA	NA	NA	NA	NA
bis(2-Chloroisop		NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)		NA	NA NA	NA NA	NA NA	NA NA	NA NA
Butylbenzylphtha	alate	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Chrysene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Diallate Dibenzo(a,h)antl	hraaana	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Dibenzo(a,n)anti	nracene	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Diethylphthalate		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Dimethylphthala	te	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Di-n-Butylphthala		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Di-n-Octylphthala		NA	NA	NA	NA	NA	NA
Diphenylamine		NA	NA	NA	NA	NA	NA
Ethyl Methanesu	ılfonate	NA	NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA	NA
Hexachlorobenz		NA	NA	NA	NA	NA	NA
Hexachlorobutad		NA	NA	NA	NA	NA	NA
Hexachlorocyclo		NA	NA	NA	NA	NA	NA
Hexachloroethar		NA	NA	NA	NA	NA	NA
Hexachlorophen		NA	NA	NA	NA NA	NA	NA NA
Hexachloroprope		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Indeno(1,2,3-cd) Isodrin	pyrene	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	+	A.1.A	NA NA	NA NA	NA NA	NA NA	NA NA
Isopnorone Isosafrole		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Methapyrilene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Methyl Methanes	sulfonate	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Naphthalene		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Nitrobenzene		NA	NA NA	NA	NA NA	NA NA	NA NA
N-Nitrosodiethyla	amine	NA	NA	NA	NA	NA	NA
N-Nitrosodimeth		NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-bi	utylamine	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-pi		NA	NA	NA	NA	NA	NA
N-Nitrosodiphen	,	NA	NA	NA	NA	NA	NA
N-Nitrosomethyle		NA	NA	NA	NA	NA	NA
N-Nitrosomorpho		NA	NA	NA	NA	NA	NA
N-Nitrosopiperid		NA	NA	NA	NA	NA	NA
N-Nitrosopyrrolic		NA	NA	NA	NA NA	NA	NA NA
o,o,o-Triethylpho	sphorothioate	NA	NA	NA NA	NA NA	NA NA	NA NA
o-Toluidine		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
p-Dimethylaming		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Pentachlorobenz		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
Pentachloroetha	rie	NA	NA	NA	NA	NA	NA

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:			East St. Ar	ea 2 - South						
Parameter	Sample ID: Date Collected:	E2SC-23 10/25/07	E2SC-24 10/24/07	ES2-02A 10/25/07	ESA2S-64 10/25/07	GMA1-13 10/12/07	HR-G3-MW-1 10/25/07				
Semivolatile (Organics (continued)										
Pentachloronit	robenzene	NA	NA	NA	NA	NA	NA				
Pentachloroph	enol	NA	NA	NA	NA	NA	NA				
Phenacetin		NA	NA	NA	NA	NA	NA				
Phenanthrene		NA	NA	NA	NA	NA	NA				
Phenol		NA	NA	NA	NA	NA	NA				
Pronamide		NA	NA	NA	NA	NA	NA				
Pyrene		NA	NA	NA	NA	NA	NA				
Pyridine		NA	NA	NA	NA	NA	NA				
Safrole		NA	NA	NA	NA	NA	NA				
Thionazin		NA	NA	NA	NA	NA	NA				
Inorganics-Fi	Itered										
Antimony		NA	NA	NA	NA	NA	NA				
Arsenic		NA	NA	NA	NA	NA	NA				
Barium		NA	NA	NA	NA	NA	NA				
Beryllium		NA	NA	NA	NA	NA	NA				
Cadmium		NA	NA	NA	NA	NA	NA				
Chromium		NA	NA	NA	NA	NA	NA				
Cobalt		NA	NA	NA	NA	NA	NA				
Copper		NA	NA	NA	NA	NA	NA				
Cyanide-MADI	EP (PAC)	NA	NA	NA	NA	NA	NA				
Lead		NA	NA	NA	NA	NA	NA				
Mercury		NA	NA	NA	NA	NA	NA				
Nickel		NA	NA	NA	NA	NA	NA				
Selenium		NA	NA	NA	NA	NA	NA				
Silver		NA	NA	NA	NA	NA	NA				
Thallium		NA	NA	NA	NA	NA	NA				
Tin		NA	NA	NA	NA	NA	NA				
Vanadium		NA	NA	NA	NA	NA	NA				
Zinc		NA	NA	NA	NA	NA	NA				

Table B-1 Fall 2007 Groundwater Analytical Results

Site ID		Lyn	nan Street Area		
Sample ID:	LS-29	LSSC-08S	LSSC-16S	LSSC-18	MW-4R
Parameter Date Collected	10/25/07	10/17/07	10/17/07	10/25/07	10/17/07
Volatile Organics					
1,1,1,2-Tetrachloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,1,1-Trichloroethane	NA	NA	0.00014 J	NA	ND(0.0010)
1,1,2,2-Tetrachloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,1,2-Trichloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,1-Dichloroethane	NA	NA	ND(0.0010)	NA	0.00017 J
1,1-Dichloroethene	NA	NA NA	ND(0.0010)	NA	ND(0.0010)
1,2,3-Trichloropropane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dibromo-3-chloropropane	NA	NA NA	ND(0.0050) J	NA	ND(0.0050) J
1,2-Dibromoethane	NA NA	NA NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloroethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
1,2-Dichloropropane	NA NA	NA NA	ND(0.0010)	NA	ND(0.0010)
1,4-Dioxane	NA	NA NA	ND(0.10) J	NA	ND(0.10) J
2-Butanone	NA NA	NA NA	ND(0.0050) J	NA	ND(0.0050) J
2-Chloro-1,3-butadiene	NA NA	NA NA	ND(0.0010)	NA	ND(0.0010)
2-Chloroethylvinylether	NA NA	NA NA	ND(0.013) J	NA	ND(0.013) J
2-Hexanone	NA NA	NA NA	ND(0.0050)	NA	ND(0.0050)
3-Chloropropene	NA NA	NA NA	ND(0.0010)	NA NA	ND(0.0010)
4-Methyl-2-pentanone	NA NA	NA NA	ND(0.0050)	NA NA	ND(0.0050) ND(0.0050) J
Acetone Acetonitrile	NA NA	NA NA	ND(0.0050) J ND(0.020) J	NA NA	· · · · · · · · · · · · · · · · · · ·
Acrolein	NA NA	NA NA	ND(0.020) J ND(0.025) J	NA NA	ND(0.020) J ND(0.025) J
Acrylonitrile	NA NA	NA NA	ND(0.025) J	NA NA	ND(0.025) J
Benzene	NA NA	NA NA	ND(0.023) 3	NA NA	0.0065
Bromodichloromethane	NA NA	NA NA	ND(0.0010)	NA NA	ND(0.0010)
Bromoform	NA NA	NA NA	ND(0.0010)	NA NA	ND(0.0010)
Bromomethane	NA NA	NA NA	ND(0.0010) J	NA NA	ND(0.0010)
Carbon Disulfide	NA NA	NA NA	ND(0.0010) 3	NA NA	ND(0.0010) 3
Carbon Tetrachloride	NA NA	NA NA	ND(0.0010)	NA NA	ND(0.0010)
Chlorobenzene	NA NA	NA NA	ND(0.0010)	NA NA	ND(0.0010)
Chloroethane	NA NA	NA NA	ND(0.0010)	NA NA	ND(0.0010)
Chloroform	NA	NA NA	0.00081 J	NA	ND(0.0010)
Chloromethane	NA NA	NA NA	ND(0.0010)	NA	0.0014
cis-1,3-Dichloropropene	NA NA	NA	ND(0.0010)	NA	ND(0.0010)
Dibromochloromethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Dibromomethane	NA NA	NA NA	ND(0.0010)	NA	ND(0.0010)
Dichlorodifluoromethane	NA	NA NA	ND(0.0010)	NA	ND(0.0010)
Ethyl Methacrylate	NA	NA	ND(0.0010)	NA	ND(0.0010)
Ethylbenzene	NA	NA	ND(0.0010)	NA	ND(0.0010)
Iodomethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Isobutanol	NA	NA	ND(0.050) J	NA	ND(0.050) J
Methacrylonitrile	NA	NA	ND(0.010)	NA	ND(0.010)
Methyl Methacrylate	NA	NA	ND(0.0010)	NA	ND(0.0010)
Methylene Chloride	NA	NA	ND(0.0050)	NA	ND(0.0050)
Propionitrile	NA	NA	ND(0.020) J	NA	ND(0.020) J
Styrene	NA	NA	ND(0.0010)	NA	ND(0.0010)
Tetrachloroethene	NA	NA	0.0075	NA	ND(0.0010)
Toluene	NA	NA	ND(0.0010)	NA	0.00018 J
trans-1,2-Dichloroethene	NA	NA	ND(0.0010)	NA	0.00066 J
trans-1,3-Dichloropropene	NA	NA	ND(0.0010)	NA	ND(0.0010)
trans-1,4-Dichloro-2-butene	NA	NA	ND(0.0050)	NA	ND(0.0050)
Trichloroethene	NA	NA	0.0011	NA	ND(0.0010)
Trichlorofluoromethane	NA	NA	ND(0.0010)	NA	ND(0.0010)
Vinyl Acetate	NA	NA	ND(0.0025)	NA	ND(0.0025)
Vinyl Chloride	NA	NA	ND(0.0010)	NA	0.00095 J
Xylenes (total)	NA	NA	ND(0.0010)	NA	0.00065 J
Total VOCs	NA	NA	0.0096 J	NA	0.011 J

Table B-1 Fall 2007 Groundwater Analytical Results

Site II	Street Area				
Sample II	D: LS-29	LSSC-08S	LSSC-16S	LSSC-18	MW-4R
Parameter Date Collected	d: 10/25/07	10/17/07	10/17/07	10/25/07	10/17/07
PCBs-Filtered					
Aroclor-1016	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1221	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1232	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1242	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1248	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1254	0.00015	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Aroclor-1260	ND(0.000065)	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Total PCBs	0.00015	ND(0.000065) [ND(0.000065)]	NA	ND(0.000065)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	NA	NA	ND(0.0010)	NA	NA
1,2-Dichlorobenzene	NA	NA	ND(0.0010)	NA	NA
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA
1,3,5-Trinitrobenzene	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	ND(0.0010)	NA	NA
1,3-Dinitrobenzene	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	ND(0.0010)	NA	NA
1,4-Naphthoquinone	NA	NA	NA	NA	NA
1-Naphthylamine	NA	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA
2,6-Dichlorophenol	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA
2-Acetylaminofluorene	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA
2-Methylnaphthalene	NA	NA	NA	NA	NA
2-Methylphenol	NA	NA	NA	NA	NA
2-Naphthylamine	NA	NA	NA	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA
2-Picoline	NA	NA	NA	NA	NA
3&4-Methylphenol	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA
3,3'-Dimethylbenzidine	NA	NA	NA	NA	NA
3-Methylcholanthrene	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA
4-Aminobiphenyl	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	NA	NA NA	NA	NA	NA NA
4-Chloro-3-Methylphenol	NA NA	NA NA	NA	NA	NA NA
4-Chloroaniline	NA	NA NA	NA	NA	NA
4-Chlorobenzilate	NA	NA NA	NA	NA	NA NA
4-Chlorophenyl-phenylether	NA NA	NA NA	NA NA	NA	NA NA
4-Nitroaniline	NA NA	NA NA	NA	NA	NA NA
4-Nitrophenol	NA	NA NA	NA	NA	NA NA
4-Nitroquinoline-1-oxide	NA	NA	NA	NA	NA

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:		Lym	an Street Area		
	Sample ID:	LS-29	LSSC-08S	LSSC-16S	LSSC-18	MW-4R
Parameter	Date Collected:	10/25/07	10/17/07	10/17/07	10/25/07	10/17/07
Semivolatile Or	ganics (continued))		<u>'</u>		
4-Phenylenediar	mine	NA	NA	NA	NA	NA
5-Nitro-o-toluidir		NA	NA	NA	NA	NA
7,12-Dimethylbe	enz(a)anthracene	NA	NA	NA	NA	NA
a,a'-Dimethylphe	enethylamine	NA	NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA	NA
Acenaphthylene	!	NA	NA	NA	NA	NA
Acetophenone		NA	NA	NA	NA	NA
Aniline		NA	NA NA	NA NA	NA	NA
Anthracene		NA	NA NA	NA NA	NA NA	NA NA
Aramite		NA NA	NA NA	NA NA	NA NA	NA NA
Benzidine		NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(a)anthrac		NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(a)pyrene Benzo(b)fluoran		NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(g,h,i)pery		NA NA	NA NA	NA NA	NA NA	NA NA
Benzo(k)fluorant		NA NA	NA NA	NA NA	NA NA	NA NA
Benzyl Alcohol	uiono	NA NA	NA NA	NA NA	NA NA	NA NA
bis(2-Chloroetho	oxy)methane	NA NA	NA NA	NA NA	NA NA	NA NA
bis(2-Chloroethy		NA NA	NA NA	NA NA	NA NA	NA NA
bis(2-Chloroisop		NA NA	NA NA	NA NA	NA NA	NA NA
bis(2-Ethylhexyl)		NA	NA	NA NA	NA	NA
Butylbenzylphtha		NA	NA	NA	NA	NA
Chrysene		NA	NA	NA	NA	NA
Diallate		NA	NA	NA	NA	NA
Dibenzo(a,h)ant	hracene	NA	NA	NA	NA	NA
Dibenzofuran		NA	NA	NA	NA	NA
Diethylphthalate	1	NA	NA	NA	NA	NA
Dimethylphthala	te	NA	NA	NA	NA	NA
Di-n-Butylphthal	ate	NA	NA	NA	NA	NA
Di-n-Octylphthal	ate	NA	NA	NA	NA	NA
Diphenylamine		NA	NA	NA	NA	NA
Ethyl Methanesu	ulfonate	NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA
Hexachlorobenz		NA	NA NA	NA NA	NA	NA
Hexachlorobutad		NA NA	NA NA	NA NA	NA	NA
Hexachlorocyclo		NA NA	NA NA	NA NA	NA NA	NA NA
Hexachloroethar Hexachlorophen		NA NA	NA NA	NA NA	NA NA	NA NA
Hexachloroprop		NA NA	NA NA	NA NA	NA NA	NA NA
Indeno(1,2,3-cd)		NA NA	NA NA	NA NA	NA NA	NA NA
Isodrin	ругене	NA NA	NA NA	NA NA	NA NA	NA NA
Isophorone		NA NA	NA NA	NA NA	NA NA	NA
Isosafrole		NA NA	NA NA	NA NA	NA	NA NA
Methapyrilene		NA NA	NA NA	NA NA	NA	NA NA
Methyl Methane	sulfonate	NA	NA	NA	NA	NA
Naphthalene		NA	NA	ND(0.00010)	NA	NA
Nitrobenzene		NA	NA	NA	NA	NA
N-Nitrosodiethyl		NA	NA	NA	NA	NA
N-Nitrosodimeth	•	NA	NA	NA	NA	NA
N-Nitroso-di-n-b		NA	NA	NA	NA	NA
N-Nitroso-di-n-p		NA	NA	NA	NA	NA
N-Nitrosodiphen		NA	NA	NA	NA	NA
N-Nitrosomethyl		NA	NA	NA	NA	NA
N-Nitrosomorph		NA	NA	NA	NA	NA
N-Nitrosopiperid		NA	NA NA	NA NA	NA	NA
N-Nitrosopyrrolic		NA	NA NA	NA NA	NA NA	NA
o,o,o-Triethylpho	osphorothioate	NA	NA NA	NA NA	NA NA	NA NA
o-Toluidine		NA NA	NA NA	NA NA	NA NA	NA NA
p-Dimethylaming		NA NA	NA NA	NA NA	NA NA	NA NA
Pentachlorobenz		NA NA	NA NA	NA NA	NA NA	NA NA
Pentachloroetha	ine	NA	NA	NA	NA	NA

Table B-1 Fall 2007 Groundwater Analytical Results

	Site ID:		Lyr	man Street Area					
Parameter	Sample ID: Date Collected:	LS-29 10/25/07	LSSC-08S 10/17/07	LSSC-16S 10/17/07	LSSC-18 10/25/07	MW-4R 10/17/07			
Semivolatile	Organics (continued)								
Pentachloroni	trobenzene	NA	NA	NA	NA	NA			
Pentachloroph		NA	NA	NA	NA	NA			
Phenacetin		NA	NA	NA	NA	NA			
Phenanthrene)	NA	NA	NA	NA	NA			
Phenol		NA	NA	NA	NA	NA			
Pronamide		NA	NA	NA	NA	NA			
Pyrene		NA	NA	NA	NA	NA			
Pyridine		NA	NA	NA	NA	NA			
Safrole		NA	NA	NA	NA	NA			
Thionazin		NA	NA	NA	NA	NA			
Inorganics-Fi	iltered								
Antimony		NA	NA	NA	NA	NA			
Arsenic		NA	NA	NA	NA	NA			
Barium		NA	NA	NA	NA	NA			
Beryllium		NA	NA	NA	NA	NA			
Cadmium		NA	NA	NA	NA	NA			
Chromium		NA	NA	NA	NA	NA			
Cobalt		NA	NA	NA	NA	NA			
Copper		NA	NA	NA	NA	NA			
Cyanide-MAD	EP (PAC)	NA	NA	NA	NA	NA			
Lead		NA	NA	NA	NA	NA			
Mercury		NA	NA	NA	NA	NA			
Nickel		NA	NA	NA	NA	NA			
Selenium		NA	NA	NA	NA	NA			
Silver		NA	NA	NA	NA	NA			
Thallium		NA	NA	NA	NA	NA			
Tin		NA	NA	NA	NA	NA			
Vanadium		NA	NA	NA	NA	NA			
Zinc		NA	NA	NA	NA	NA			

Table B-1 Fall 2007 Groundwater Analytical Results

Site ID:	Newell St. Area II	Newell St. Area II	Newell St. Area II
Sample ID:	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	10/18/07	10/18/07	12/04/07
Volatile Organics			
1,1,1,2-Tetrachloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1,1-Trichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1,2,2-Tetrachloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1,2-Trichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1-Dichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,1-Dichloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2,3-Trichloropropane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2-Dibromo-3-chloropropane	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J	NA
1,2-Dibromoethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2-Dichloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,2-Dichloropropane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
1,4-Dioxane	ND(0.10) J [ND(0.10) J]	ND(0.10) J	NA
2-Butanone	ND(0.0050) J [ND(0.0050) J]	ND(0.0050) J	NA
2-Chloro-1,3-butadiene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
2-Chloroethylvinylether	ND(0.013) J [ND(0.013) J]	R	NA
2-Hexanone	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
3-Chloropropene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
4-Methyl-2-pentanone	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Acetone	0.0025 J [ND(0.0050) J]	ND(0.0050) J	NA
Acetonitrile	ND(0.020) J [ND(0.020) J]	ND(0.020) J	NA
Acrolein	ND(0.025) J [ND(0.025) J]	ND(0.025) J	NA
Acrylonitrile	ND(0.025) J [ND(0.025) J]	ND(0.025) J	NA
Benzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Bromodichloromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Bromoform	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J	NA
Bromomethane	ND(0.0010) J [ND(0.0010) J]	ND(0.0010) J	NA
Carbon Disulfide	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Carbon Tetrachloride	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chlorobenzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloroethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloroform	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Chloromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
cis-1,3-Dichloropropene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Dibromochloromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Dibromomethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Dichlorodifluoromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Ethyl Methacrylate	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Ethylbenzene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Iodomethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Isobutanol	ND(0.050) J [ND(0.050) J]	ND(0.050) J	NA
Methacrylonitrile	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Methyl Methacrylate	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Methylene Chloride	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Propionitrile	ND(0.020) J [ND(0.020) J]	ND(0.020) J	NA
Styrene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Tetrachloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Toluene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
trans-1,2-Dichloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
trans-1,3-Dichloropropene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
trans-1,4-Dichloro-2-butene	ND(0.0050) [ND(0.0050)]	ND(0.0050)	NA
Trichloroethene	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Trichlorofluoromethane	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Vinyl Acetate	ND(0.0025) [ND(0.0025)]	ND(0.0025)	NA
Vinyl Chloride	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Xylenes (total)	ND(0.0010) [ND(0.0010)]	ND(0.0010)	NA
Total VOCs	0.0025 J [ND(0.10)]	ND(0.10)	NA

Table B-1 Fall 2007 Groundwater Analytical Results

Site ID:	Newell St. Area II	Newell St. Area II	Newell St. Area II
Sample ID:	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	10/18/07	10/18/07	12/04/07
PCBs-Filtered			
Aroclor-1016	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1221	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1232	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1242	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1248	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	ND(0.000065)
Aroclor-1254	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00016
Aroclor-1260	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00015
Total PCBs	ND(0.000065) J [ND(0.000065)]	ND(0.000065) J	0.00031
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,2,4-Trichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,2-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,2-Diphenylhydrazine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,3,5-Trinitrobenzene	ND(0.050) [ND(0.050)]	ND(0.050)	NA
1,3-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,3-Dinitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,4-Dichlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1,4-Naphthoquinone	ND(0.010) [ND(0.010)]	ND(0.010)	NA
1-Naphthylamine	ND(0.050) [ND(0.050)]	ND(0.050)	NA
2,3,4,6-Tetrachlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4,5-Trichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4,6-Trichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4-Dichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4-Dimethylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,4-Dinitrophenol	ND(0.050) [ND(0.050)]	ND(0.050)	NA
2,4-Dinitrotoluene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,6-Dichlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2,6-Dinitrotoluene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Acetylaminofluorene	ND(0.020) [ND(0.020)]	ND(0.020)	NA
2-Chloronaphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Chlorophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Methylnaphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Methylphenol	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
2-Naphthylamine	ND(0.050) J [ND(0.050) J]	ND(0.050) J	NA
2-Nitroaniline	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Nitrophenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
2-Picoline	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
3&4-Methylphenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA
3,3'-Dichlorobenzidine	ND(0.020) [ND(0.020)]	ND(0.020) J	NA NA
3,3'-Dimethylbenzidine	ND(0.050) [ND(0.050)]	ND(0.050)	NA NA
3-Methylcholanthrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
3-Nitroaniline	ND(0.050) [ND(0.050)]	ND(0.050)	NA NA
4,6-Dinitro-2-methylphenol	ND(0.050) [ND(0.050)]	ND(0.050)	NA NA
4-Aminobiphenyl	ND(0.010) [ND(0.010)]	ND(0.010) ND(0.010)	NA NA
4-Bromophenyl-phenylether 4-Chloro-3-Methylphenol	ND(0.010) [ND(0.010)] ND(0.010) [ND(0.010)]	ND(0.010) ND(0.010)	NA NA
, ,		()	NA NA
4-Chloroparilate	ND(0.050) [ND(0.050)] ND(0.010) [ND(0.010)]	ND(0.050) ND(0.010)	NA NA
4-Chlorophopyl phopylethor	, , , , , , , , , , , , , , , , , , , ,		
4-Chlorophenyl-phenylether 4-Nitroaniline	ND(0.010) [ND(0.010)] ND(0.050) [ND(0.050)]	ND(0.010) ND(0.050)	NA NA
4-Nitroaniine 4-Nitrophenol	() [/ / / / / / / / / / / / / / / / / /	ND(0.050) ND(0.050)	NA NA
4-Nitropnenoi 4-Nitroquinoline-1-oxide	ND(0.050) [ND(0.050)]	` ,	
4-minoquinoline-1-oxide	ND(0.050) [ND(0.050)]	ND(0.050)	NA

Table B-1 Fall 2007 Groundwater Analytical Results

Site ID:	Newell St. Area II	Newell St. Area II	Newell St. Area II
Sample ID:	GMA1-25	GMA1-27	N2SC-07S
Parameter Date Collected:	10/18/07	10/18/07	12/04/07
Semivolatile Organics (continued)	ND(0,000) [ND(0,040)]	ND(0.000) I	NιΔ
4-Phenylenediamine 5-Nitro-o-toluidine	ND(0.020) J [ND(0.010) J] ND(0.010) [ND(0.010)]	ND(0.020) J ND(0.010)	NA NA
7,12-Dimethylbenz(a)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
a,a'-Dimethylphenethylamine	ND(0.050) J [ND(0.050) J]	ND(0.050) J	NA NA
Acenaphthene	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
Acenaphthylene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Acetophenone	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Aniline	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Aramite	ND(0.010) J [ND(0.010) J]	ND(0.010) J	NA
Benzidine	ND(0.020) J [ND(0.020) J]	ND(0.020) J	NA
Benzo(a)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(a)pyrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(b)fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(g,h,i)perylene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzo(k)fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Benzyl Alcohol	ND(0.020) [ND(0.020)]	ND(0.020)	NA NA
bis(2-Chloroethoxy)methane bis(2-Chloroethyl)ether	ND(0.010) [ND(0.010)] ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
bis(2-Chloroethyl)ether bis(2-Chloroisopropyl)ether	ND(0.010) [ND(0.010)] ND(0.010) [ND(0.010)]	ND(0.010) ND(0.010)	NA NA
bis(2-Ethylhexyl)phthalate	0.0081 J [ND(0.010)]	ND(0.010) ND(0.010)	NA NA
Butylbenzylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
Chrysene	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
Diallate	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
Dibenzo(a,h)anthracene	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
Dibenzofuran	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Diethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Dimethylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Di-n-Butylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Di-n-Octylphthalate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Diphenylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Ethyl Methanesulfonate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Fluoranthene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Fluorene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Hexachlorobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Hexachlorobutadiene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Hexachlorocyclopentadiene	ND(0.020) [ND(0.020)]	ND(0.020)	NA NA
Hexachloroethane	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
Hexachlorophene Hexachloropropene	ND(0.010) J [ND(0.010) J] ND(0.020) [ND(0.020)]	ND(0.010) J ND(0.020)	NA NA
ndeno(1,2,3-cd)pyrene	ND(0.020) [ND(0.020)] ND(0.010) [ND(0.010)]	ND(0.020)	NA NA
sodrin	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
sophorone	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
sosafrole	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Methapyrilene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Methyl Methanesulfonate	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Naphthalene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
Nitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosodiethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosodimethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitroso-di-n-butylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitroso-di-n-propylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosodiphenylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosomethylethylamine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosomorpholine	ND(0.010) [ND(0.010)]	ND(0.010)	NA
N-Nitrosopiperidine	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
N-Nitrosopyrrolidine	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
o,o,o-Triethylphosphorothioate	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
o-Toluidine	ND(0.010) [ND(0.010)]	ND(0.010)	NA NA
o-Dimethylaminoazobenzene Pentachlorobenzene	ND(0.010) [ND(0.010)] ND(0.010) [ND(0.010)]	ND(0.010) ND(0.010)	NA NA
	` / - ` / -	` ,	
Pentachloroethane	ND(0.010) [ND(0.010)]	ND(0.010)	NA

Table B-1 Fall 2007 Groundwater Analytical Results

Site ID:	Newell St. Area II	Newell St. Area II	Newell St. Area II	
Sample ID:	GMA1-25	GMA1-27	N2SC-07S	
Parameter Date Collected:	10/18/07	10/18/07	12/04/07	
Semivolatile Organics (continued)				
Pentachloronitrobenzene	ND(0.010) [ND(0.010)]	ND(0.010)	NA	
Pentachlorophenol	ND(0.050) [ND(0.050)]	ND(0.050)	NA	
Phenacetin	ND(0.010) [ND(0.010)]	ND(0.010)	NA	
Phenanthrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA	
Phenol	ND(0.010) [ND(0.010)]	ND(0.010)	NA	
Pronamide	ND(0.010) [ND(0.010)]	ND(0.010)	NA	
Pyrene	ND(0.010) [ND(0.010)]	ND(0.010)	NA	
Pyridine	ND(0.010) [ND(0.010)]	ND(0.010)	NA	
Safrole	ND(0.010) [ND(0.010)]	ND(0.010)	NA	
Thionazin	ND(0.020) [ND(0.020)]	ND(0.020)	NA	
Inorganics-Filtered				
Antimony	NA	NA	NA	
Arsenic	NA	NA	NA	
Barium	NA	NA	NA	
Beryllium	NA	NA	NA	
Cadmium	NA	NA	NA	
Chromium	NA	NA	NA	
Cobalt	NA	NA	NA	
Copper	NA	NA	NA	
Cyanide-MADEP (PAC)	NA	NA	NA	
Lead	NA	NA	NA	
Mercury	NA	NA	NA	
Nickel	NA	NA	NA	
Selenium	NA	NA	NA	
Silver	NA	NA	NA	
Thallium	NA	NA	NA	
Tin	NA	NA	NA	
Vanadium	NA	NA	NA	
Zinc	NA	NA	NA	

Notes:

- Samples were collected by ARCADIS BBL and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered and unfiltered), 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, ARCADIS BBL (approved March 15, 2007 and re-submitted March 30, 2007).
- 3. NA Not Analyzed.
- 4. ND Analyte was not detected. The number in parentheses is the associated detection limit.
- 5. 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.
- R Data was rejected due to a deficiency in the data generation process.

<u>Inorganics</u>

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

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Appendix C

Historical Groundwater Data

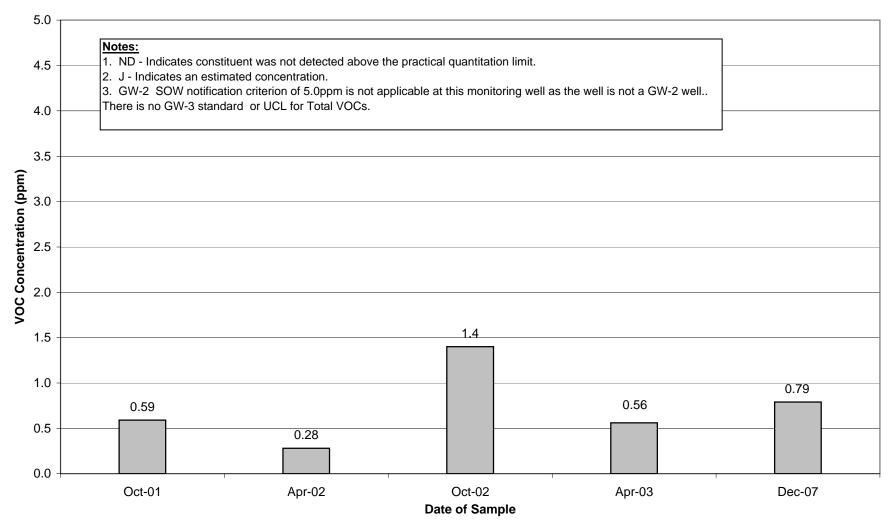
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Historical Groundwater Data

Total VOC Concentrations – Wells Sampled in Fall 2007

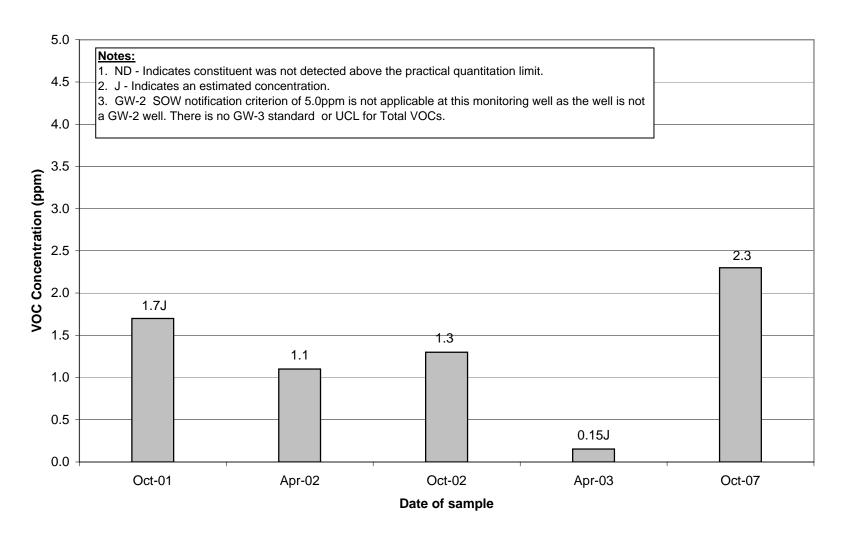
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well 3-6C-EB-14 Historical VOC Concentrations



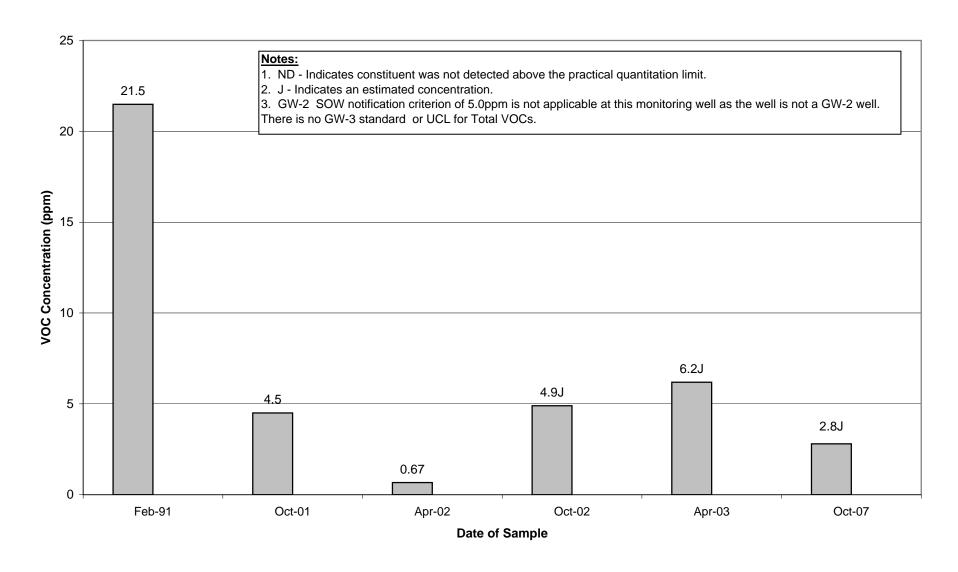
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES2-02A Historical VOC Concentrations



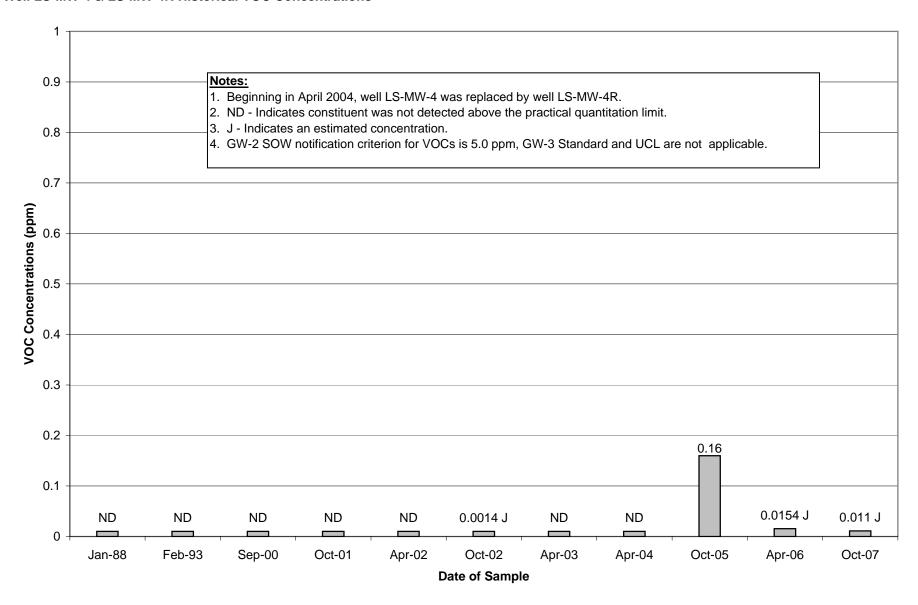
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ESA2S-64 Historical VOC Concentrations



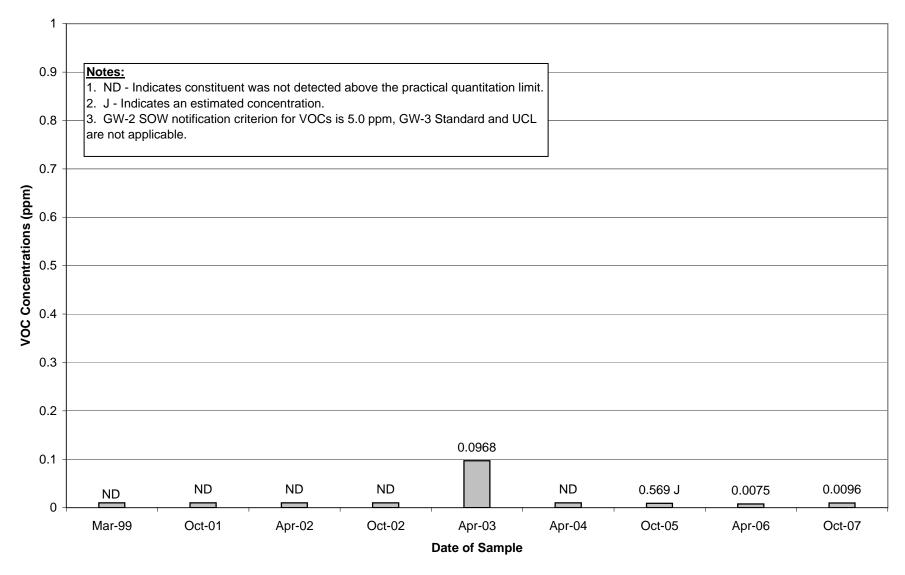
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



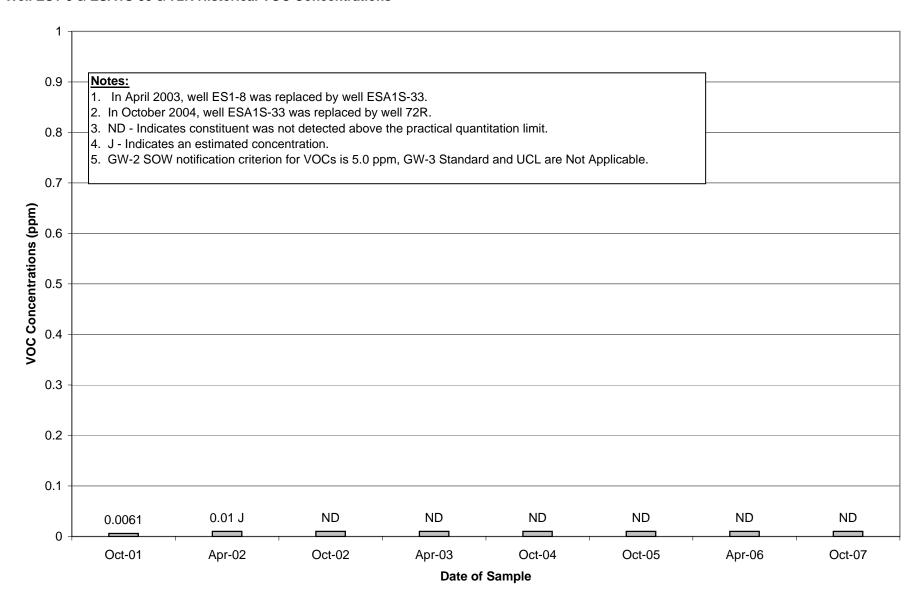
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LSSC-16S Historical VOC Concentrations



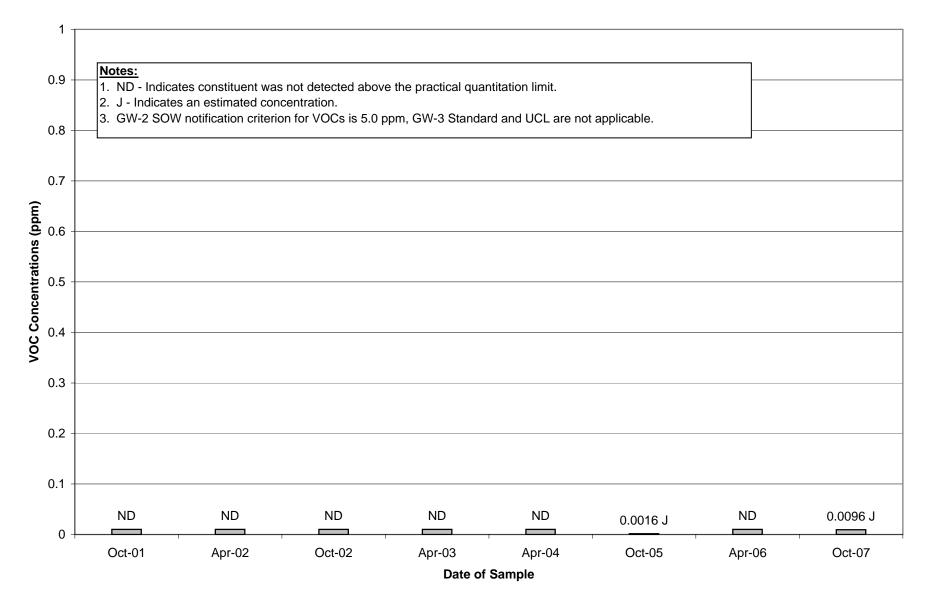
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well GMA1-6 Historical VOC Concentrations



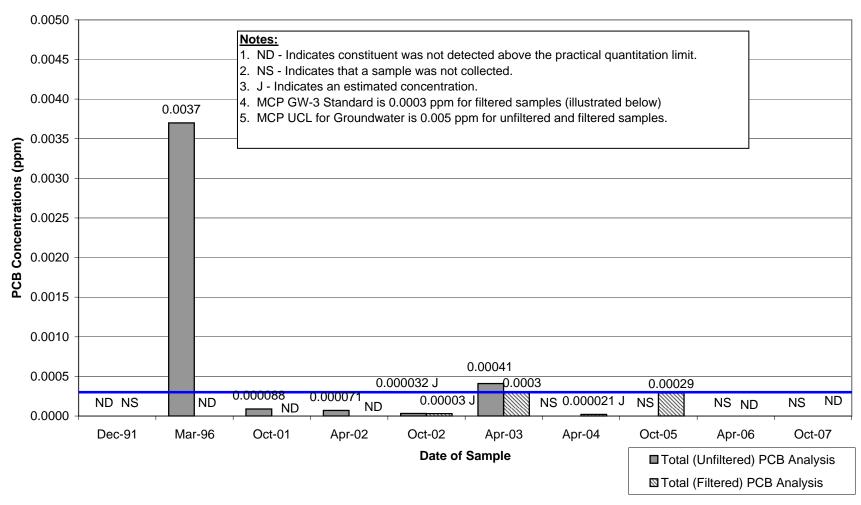
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Historical Groundwater Data

Total PCB Concentration – Wells Sampled in Fall 2007

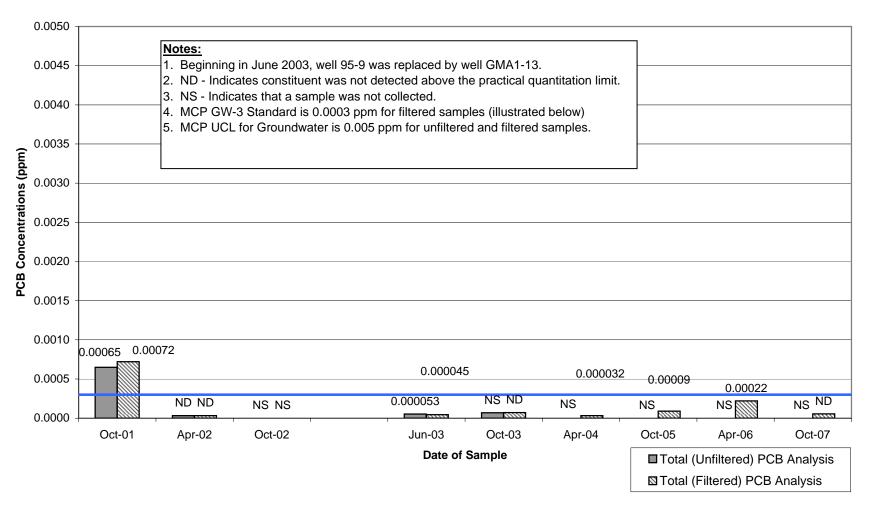
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well RF-02 Historical PCB Concentrations



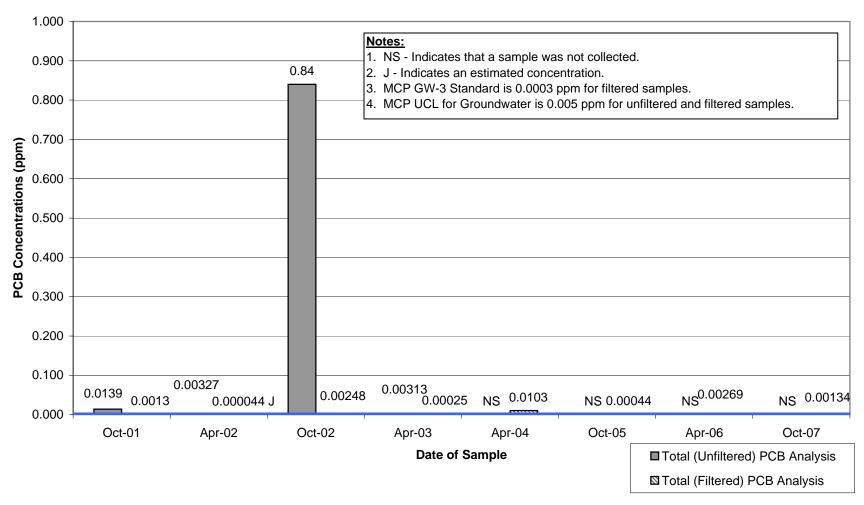
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well 95-9 & GMA1-13 Historical PCB Concentrations



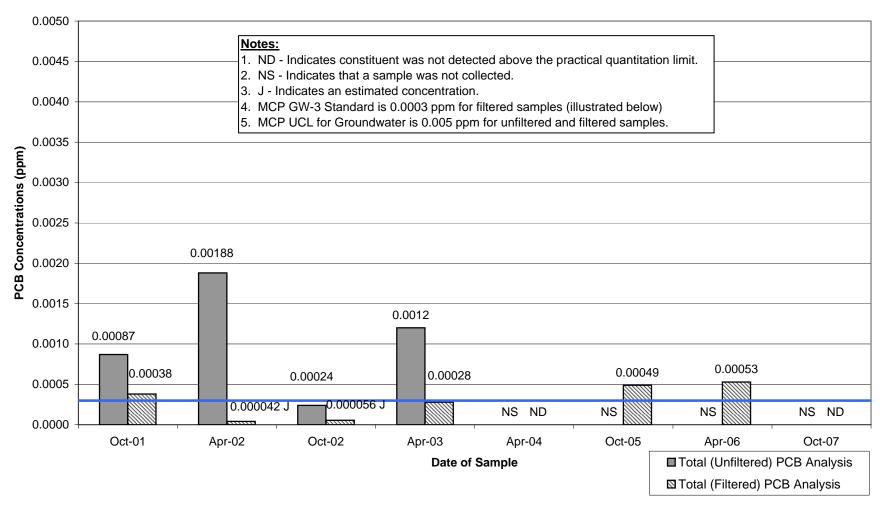
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well E2SC-23 Historical PCB Concentrations



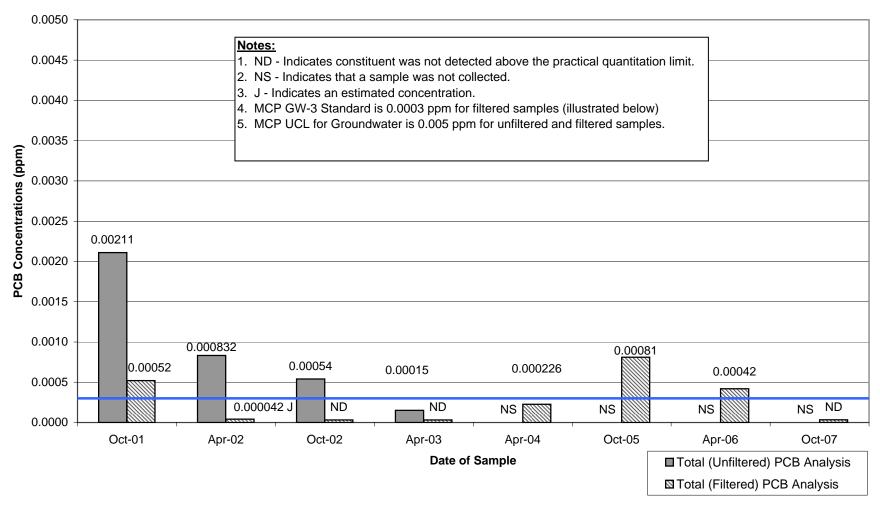
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well E2SC-24 Historical PCB Concentrations



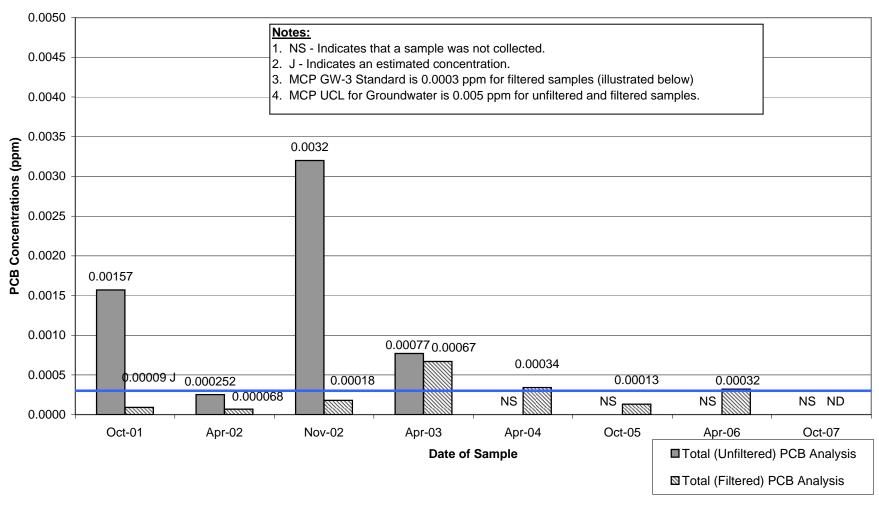
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well HR-G3-MW-1 Historical PCB Concentrations



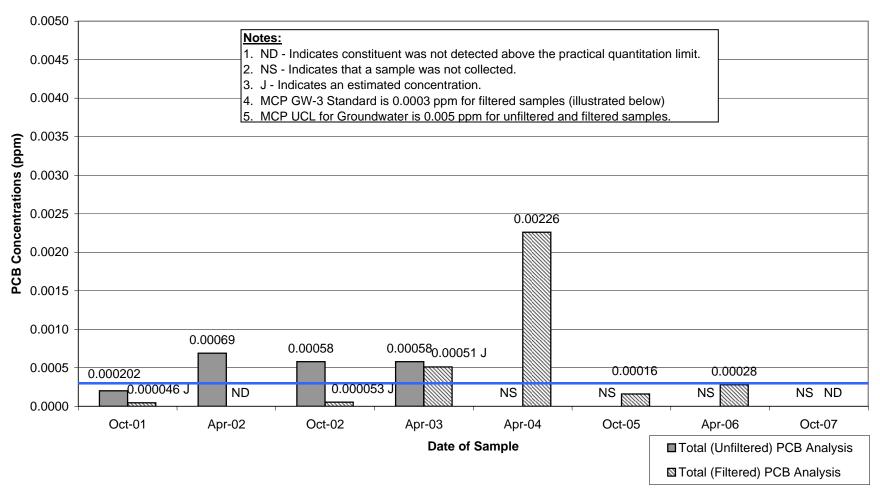
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES1-05 Historical PCB Concentrations



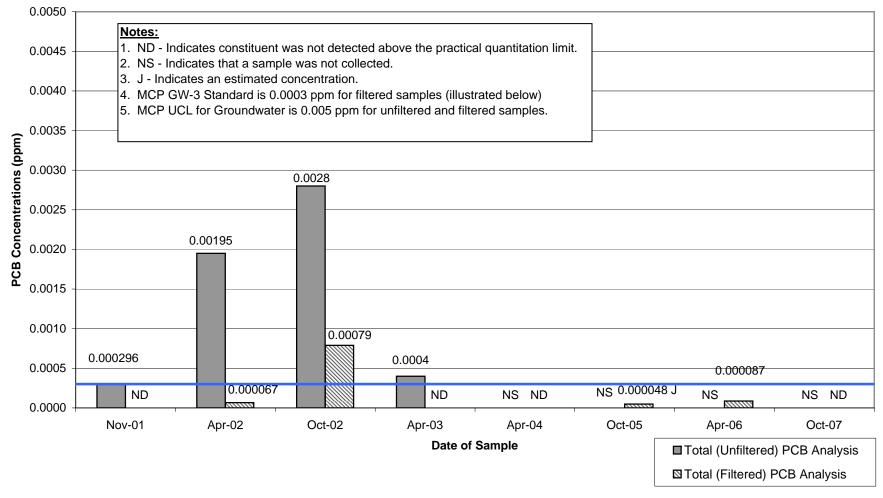
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES1-27R Historical PCB Concentrations



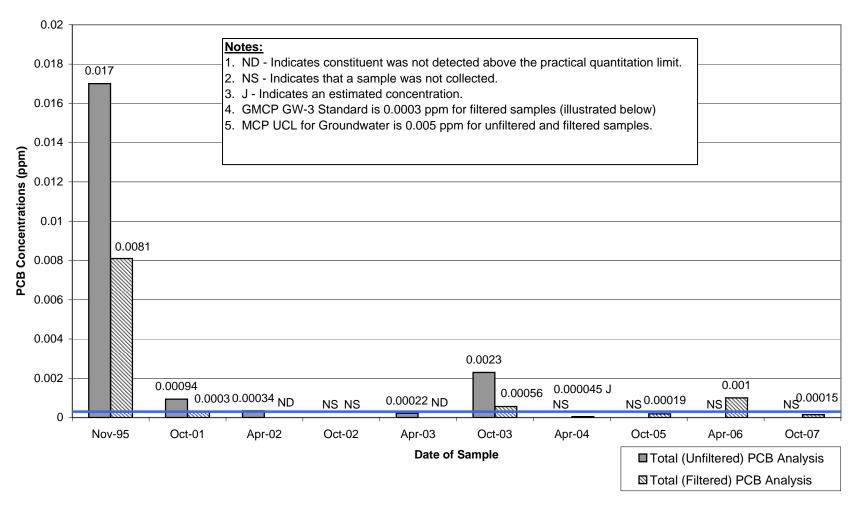
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ESA1N-52 Historical PCB Concentrations



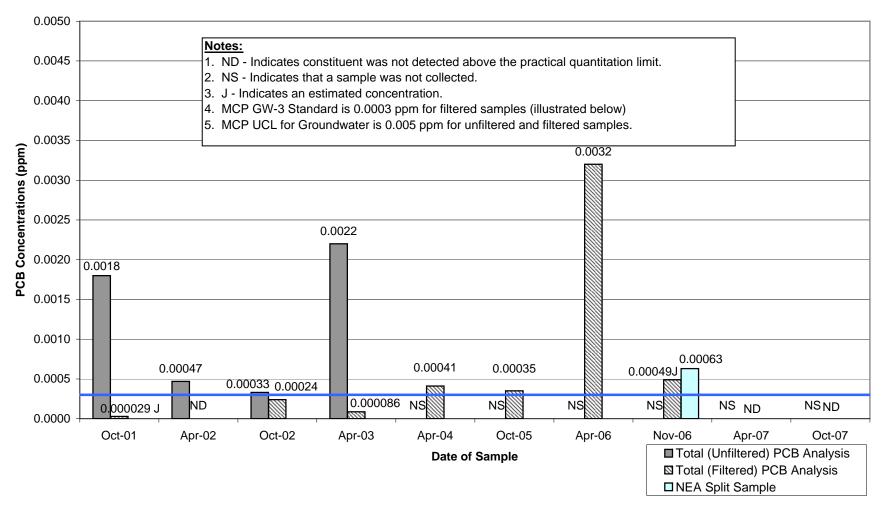
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LS-29 Historical PCB Concentrations



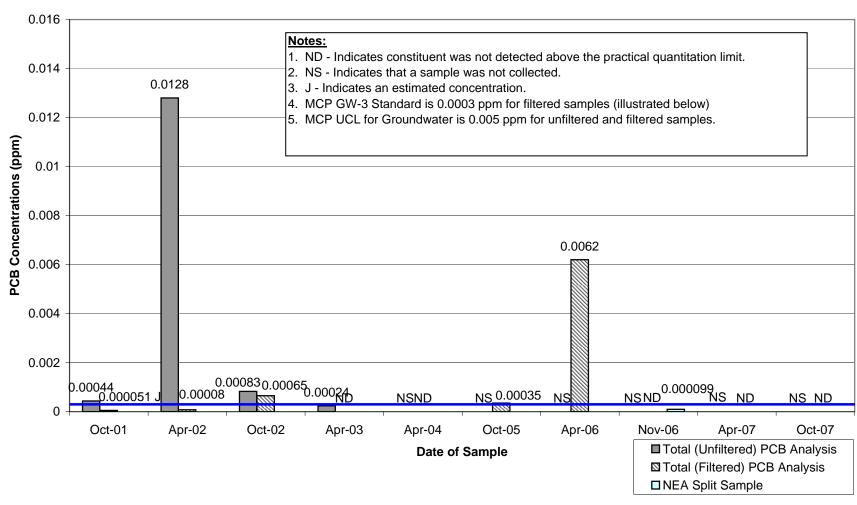
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LSSC-08S Historical PCB Concentrations



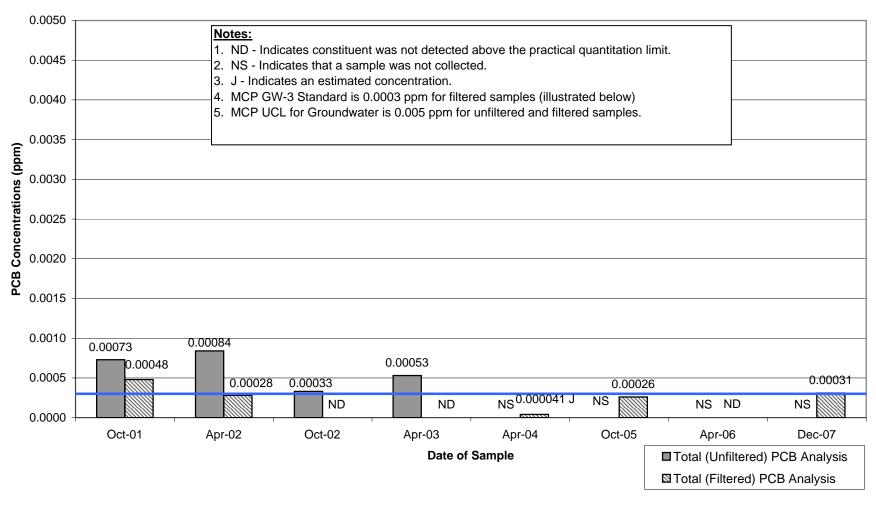
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well LSSC-18 Historical PCB Concentrations



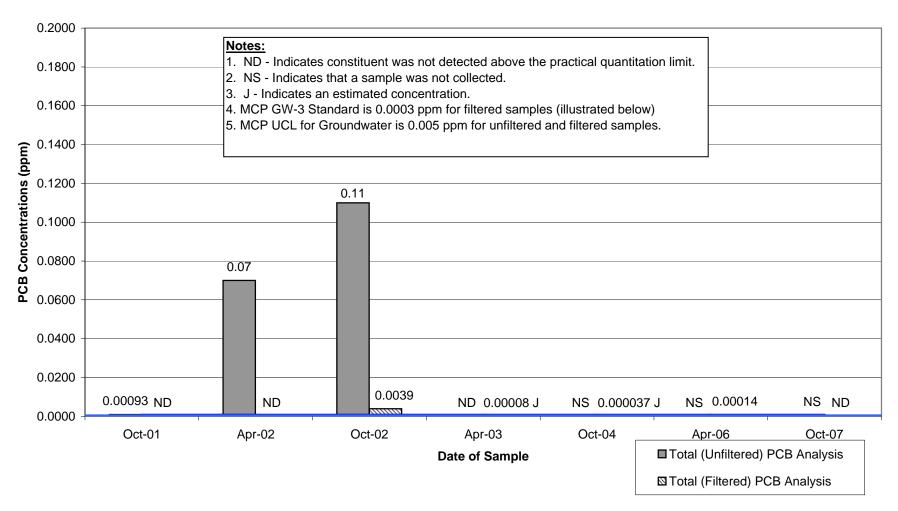
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well N2SC-07S Historical PCB Concentrations



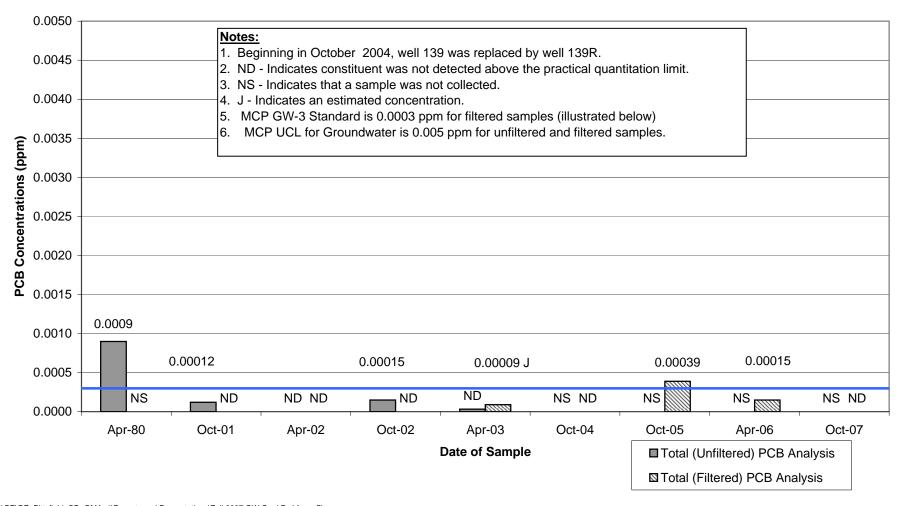
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES1-8, ESA1S-33, & 72R Historical PCB Concentrations



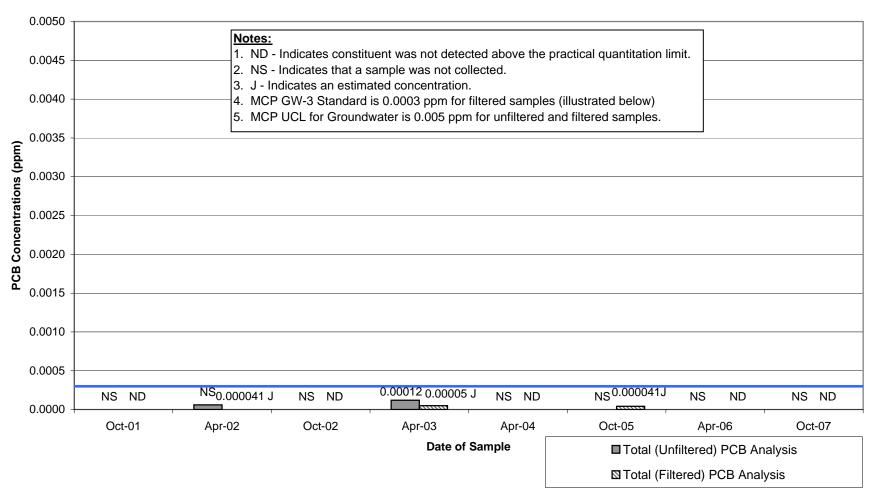
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well 139 & 139R Historical PCB Concentrations



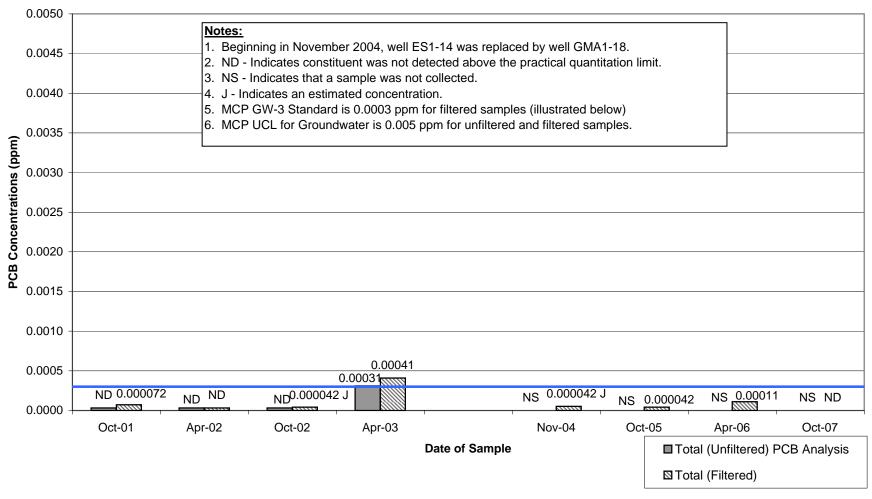
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well GMA1-6 Historical PCB Concentrations



Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES1-14 & GMA1-18 Historical PCB Concentrations



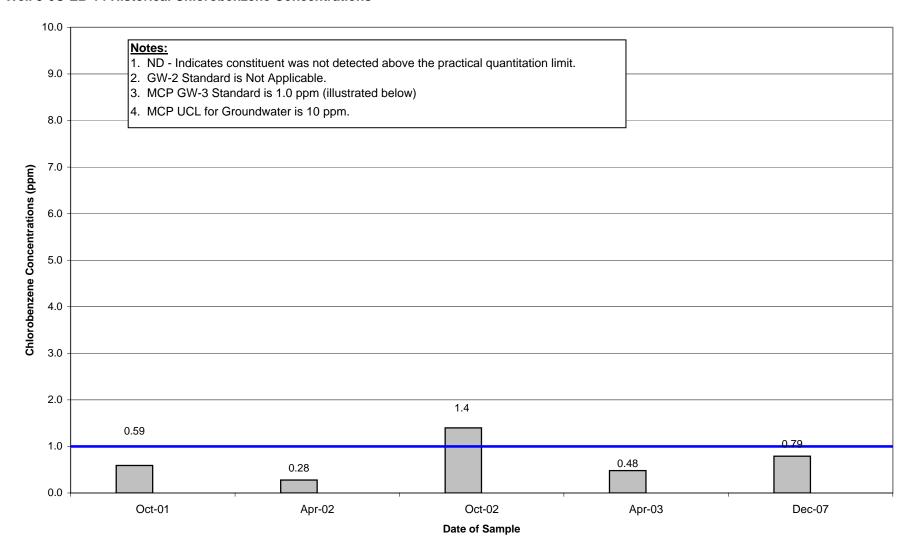
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Historical Groundwater Data

Chlorobenzene Concentrations – Selected Wells Sampled in Fall 2007

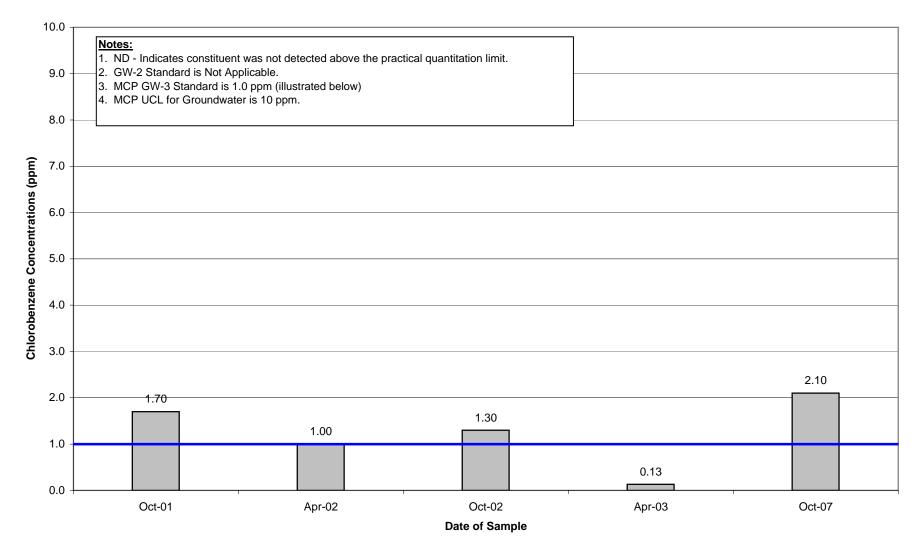
Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well 3-6C-EB-14 Historical Chlorobenzene Concentrations



Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

Well ES2-02A Historical Chlorobenzene Concentrations



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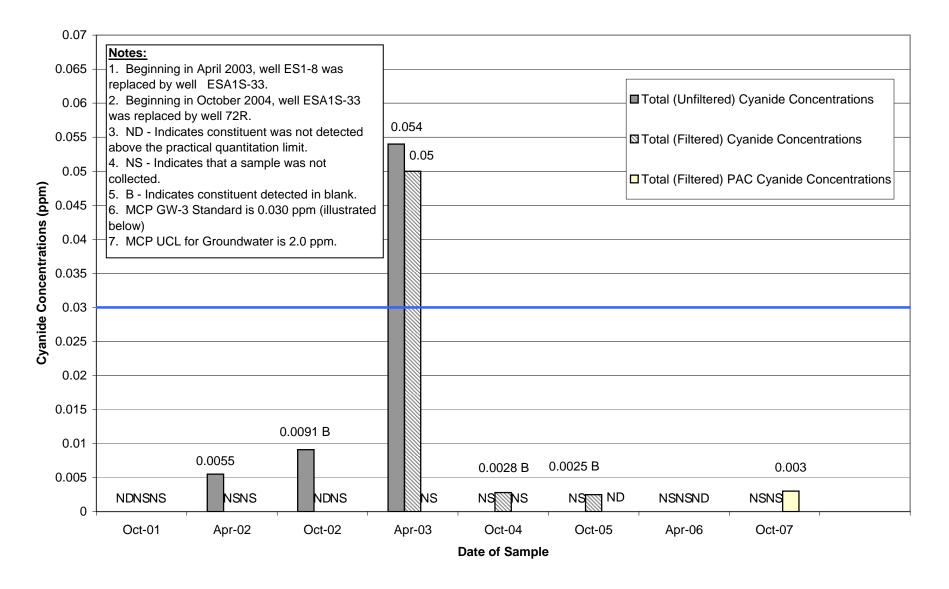
Historical Groundwater Data

Cyanide Concentrations – Selected Wells Sampled in Fall 2007

Appendix C

Groundwater Management Area 1 General Electric Company Pittsfield, Massachusetts

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



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Appendix D

Data Validation Report

Appendix D
Groundwater Sampling Data Validation Report
Groundwater Management Area 1 - Fall 2007

General Electric Company Pittsfield, Massachusetts

1.0 General

This appendix summarizes the data validation review performed on behalf to the General Electric Company (GE) for groundwater samples collected between October and December 2007 as part of groundwater sampling activities conducted at Groundwater Management Area 1, located at the General Electric Company/Housatonic River Site in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) and/or various other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents --benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3) by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for 21 PCB samples, 18 volatile organic compound (VOC) samples, four semi-volatile organic compound (SVOC) samples, three metal samples, and three 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 (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts, ARCADIS BBL (submitted by GE on March 30, 2007 and approved by EPA on June 13, 2007);
- Region I Tiered Organic and Inorganic Data Validation Guidelines, USEPA Region I (July 1, 1993);
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses, USEPA Region I (June 13, 1988) (Modified February 1989); and
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, USEPA Region
 I (Draft, December 1996).

The data were validated to either a Tier I or Tier II level, as described below. Any deviations from the applicable quality control criteria utilized during the data review process are identified below. A tabulated summary of the Tier I/Tier II data review is presented in Table D-1. Each sample subject to evaluation is listed in Table D-1 to document that data review was performed. Samples that required data qualification are listed separately.

The following data qualifiers were used in this data evaluation:

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

- U The compound was analyzed for, but was not detected. The sample quantitation limit is presented. Nondetect sample results are presented as ND(PQL) within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detect sample results that required qualification are presented as ND(PQL) J within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.
- R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purpose.

3.0 Data Validation Procedures

Section 7.5 of the FSP/QAPP states that analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (EPA guidelines). The Tier I review consisted of a completeness evidence audit, as outlined in the *EPA Region I CSF Completeness Evidence Audit Program* (EPA Region I, July 31, 1991), to ensure that laboratory data and documentation were present. In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the EPA Region I Tier I data completeness requirements.

The Tier II data review consisted of a review of data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. Additionally, field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

A tabulated summary of the samples subject to Tier I and Tier II data review is presented in the following table.

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

Parameter		Tier I Only					
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	Total
PCBs	0	0	0	18	2	1	21
VOCs	0	0	0	9	2	7	18
SVOCs	0	0	0	2	1	1	4
Metals	0	0	0	1	1	1	3
Cyanide	0	0	0	1	1	1	3
Total	0	0	0	31	7	11	49

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

4.0 Summary of QA/QC Parameter Deviations Requiring Data Qualification

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

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

Compounds Qualified Due to Initial Calibration Deviations (RRF)

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,2-Dibromo-3-chloropropane	18	J
	1,4-Dioxane	18	J
	2-Butanone	18	J
	2-Chloroethylvinylether	16	J
	Acetone	15	J
	Acetonitrile	18	J
	Acrolein	18	J
	Acrylonitrile	18	J
	Isobutanol	18	J
	Propionitrile	18	J
SVOCs	4-Phenylenediamine	3	J
	Aramite	3	J
	Hexachlorophene	4	J

The continuing calibration criterion requires that the percent difference (%D) between the initial calibration RRF and the continuing calibration RRF for VOCs and SVOCs be less than 25% and PCBs be less than 15%. Sample data for detect and non-detect compounds with %D values that exceeded the continuing calibration criteria were qualified as estimated (J). A summary of the compounds that exceeded the continuing calibration criterion and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	1	J
VOCs	1,4-Dioxane	3	J
	Bromoform	9	J
	Bromomethane	12	J
	lodomethane	5	J
	Isobutanol	3	J
SVOCs	1-Naphthylamine	1	J
	2-Methylphenol	3	J
	2-Naphthylamine	4	J
	2-Picoline	3	J
	3,3'-Dimethylbenzidine	1	J
	4-Phenylenediamine	1	J
	a,a'-Dimethylphenethylamine	4	J
	Aramite	4	J
	Benzidine	4	J

Contract required detection limit (CRDL) standards were analyzed to evaluate instrument performance at low-level concentrations that are near the analytical method PQL. These standards are required to have recoveries between 80% and 120% to verify that the analytical instrumentation was properly calibrated. When CRDL standard recoveries were outside these control limits, the affected samples with detected results at or near the PQL concentration (i.e., less than three times the PQL) were qualified as estimated (J). The analytes that did not meet CRDL criteria and the number of samples qualified due to those deviations are presented in the following table.

Analytes Qualified Due to CRDL Standard Recovery Deviations

Analysis	Analyte	Analyte Number of Affected Samples			
Inorganics	Barium	1	J		
	Beryllium	1	J		
	Cadmium	1	J		
	Chromium	1	J		
	Copper	3	J		
	Lead	1	J		
	Nickel	2	J		
	Selenium	2	J		
	Silver	1	J		
	Thallium	3	J		

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

Compound Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	2-Chloroethylvinylether	2	R

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

Compounds Qualified Due to MS/MSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification	
VOCs	Bromoform	1	J	
SVOCs	3,3'-Dichlorobenzidine	1	J	

Blank action levels for compounds/analytes detected in the blanks were calculated at five times the blank concentrations. Detected sample results that were below the blank action level were qualified with a "U." The compound/analytes detected in method/analytical blanks which resulted in qualification of sample data, along with the number of affected samples, are presented in the following table.

Compound/Analytes Qualified Due to Blank Deviations

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	Acetone	1	U
Inorganics	Arsenic	2	U
	Beryllium	1	U
	Chromium	2	U
	Copper	1	U
	Lead	2	U

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. Associated sample results were qualified as estimated (J) for all compounds when surrogate recovery criteria were outside control limits and greater 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	All Aroclors	3	J	

Holding time criterion for PCBs require that samples be analyzed within 40 days of extraction. The analytes that exceeded the analysis holding time and the number of samples qualified due to deviations are presented in the following table.

Analytes Qualified Due to Analysis Holding Time Deviations

Analysis	Analyte	Number of Affected Samples	Qualification	
PCBs	All Aroclors	2	J	

5.0 Overall Data Usability

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

Data Usability

Parameter	Percent Usability	Rejected Data					
VOCs	99.8	A total of two sample results were rejected due to MS/MSD recovery deviations.					
SVOCs	100	None					
PCBs	100	None					
Metals	100	None					
Cyanide	100	None					

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

5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included laboratory duplicates, field duplicates, MS/MSD samples, and LCS/LCSD samples. For this analytical program, 0.12% of the data required qualification due to MS/MSD RPD deviations. None of the data required qualification due to laboratory duplicate RPD deviations, field duplicate RPD deviations, or LCS/LCSD RPD deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, LCS/LCSDs, MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 14.8% of the data required qualification due to instrument calibration deviations, 0.12% of the data required qualification due to MS/MSD recovery deviations 0.95% of the data required qualification due to CRDL recovery deviations, and 1.4% of the data required qualification due to surrogate compound recovery deviations. None of the data required qualification due to internal standard or LCS/LCSD recoveries.

5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter, which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in the EPA-approved work plans, and by following the procedures for sample collection/analyses that were described in the FSP/QAPP. Additionally, the analytical program used procedures consistent with EPA-approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical data set, 0.95% of the data required qualification due to analysis holding time deviations.

5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. Specifically, all the groundwater samples collected between October and December 2007 were analyzed by EPA SW-846 method 8082 for PCBs, 8260 for VOCs, 8270 for SVOCs, 6000/7000 for metals, and 9014 for cyanide.

5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses - the generation of a sufficient amount of valid data. The actual completeness of this analytical data set ranged from 99.8% to 100% for individual analytical parameters and had an overall usability of 99.9%, which is greater than the minimum required usability of 90% as specified in the FSP/QAPP.

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														
PCBs																									
3135-507	GMA1-13 (Filtered)	10/12/2007	Water	Tier II	No																				
3135-507	RF-02 (Filtered)	10/12/2007	Water	Tier II	No																				
3135-516	GMA1-DUP-1 (Filtered)	10/17/2007	Water	Tier II	No						Parent Sample LSSC-08S (Filtered)														
135-516	LSSC-08S (Filtered)	10/17/2007	Water	Tier II	No																				
3135-519	ESA1N-52 (Filtered)	10/18/2007	Water	Tier II	Yes	Aroclor-1016	CCAL %D	30.3%	<15%	ND(0.000072) J															
						Aroclor-1016	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J															
						Aroclor-1221	CCAL %D	30.3%	<15%	ND(0.000072) J															
						Aroclor-1221	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J															
						Aroclor-1232	CCAL %D	30.3%	<15%	ND(0.000072) J															
						Aroclor-1232	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J															
						Aroclor-1242	CCAL %D	30.3%	<15%	ND(0.000072) J															
						Aroclor-1242	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J															
						Aroclor-1248	CCAL %D	30.3%	<15%	ND(0.000072) J															
						Aroclor-1248	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J															
						Aroclor-1254	CCAL %D	30.3%	<15%	ND(0.000072) J															
						Aroclor-1254	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J															
						Aroclor-1260	CCAL %D	30.3%	<15%	ND(0.000072) J															
						Aroclor-1260	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J															
						Total PCBs	CCAL %D	30.3%	<15%	ND(0.000072) J															
						Total PCBs	Holdtimes (Analysis)	46 days	<40 days	ND(0.000072) J															
135-519	GMA1-25 (Filtered)	10/18/2007	Water	Tier II	Yes	Aroclor-1016	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J															
						Aroclor-1221	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J															
			i			Aroclor-1232	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J															
						Aroclor-1242	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J															
						Aroclor-1248	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J															
																				Aroclor-1254	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J	
						Aroclor-1260	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J															
						Total PCBs	Holdtimes (Analysis)	46 days	<40 days	ND(0.000065) J															
135-519	GMA1-27 (Filtered)	10/18/2007	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J															
						Aroclor-1221	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J															
									Aroclor-1232	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J												
						Aroclor-1242	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J															
						Aroclor-1248	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J															
						Aroclor-1254	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J															
						Aroclor-1260	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J															
						Total PCBs	Surrogate Recovery	37.1%, 36.4%	40% to 130%	ND(0.000065) J															
135-519	GMA1-DUP-2 (Filtered)	10/18/2007	Water	Tier II	No						Parent Sample GMA1-25														
135-521	ES1-05 (Filtered)	10/19/2007	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J															
						Aroclor-1221	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J															
						Aroclor-1232	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J															
						Aroclor-1242	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J															
						Aroclor-1248	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J															
						Aroclor-1254	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J															
						Aroclor-1260	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J															
						Total PCBs	Surrogate Recovery	26.2%, 36.8%	40% to 130%	ND(0.000065) J															
135-521	ES1-27R (Filtered)	10/19/2007	Water	Tier II	No																				
135-524	GMA1-18 (Filtered)	10/22/2007	Water	Tier II	No																				
135-524	GMA1-6 (Filtered)	10/23/2007	Water	Tier II	Yes	Aroclor-1016	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J															
						Aroclor-1221	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J															
						Aroclor-1232	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J															
						Aroclor-1242	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J															
						Aroclor-1248	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J															
						Aroclor-1254	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J															
						Aroclor-1260	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J															
				<u> </u>		Total PCBs	Surrogate Recovery	29.1%, 35.5%	40% to 130%	ND(0.000065) J															
135-528	139R (Filtered)	10/23/2007	Water	Tier II	No																				
135-528	72R (Filtered)	10/23/2007	Water	Tier II	No				ļ																
135-528	E2SC-24 (Filtered)	10/24/2007	Water	Tier II	No					ļ															
135-535	E2SC-23 (Filtered)	10/25/2007	Water	Tier II	No				ļ																
135-535	HR-G3-MW-1 (Filtered)	10/25/2007	Water	Tier II	No																				
135-535	LS-29 (Filtered)	10/25/2007	Water	Tier II	No																				
135-535	LSSC-18 (Filtered)	10/25/2007	Water	Tier II	No																				
135-569	GMA-1-RB-1 (Filtered)	12/4/2007	Water	Tier II	No																				
3135-569	N2SC-07S (Filtered)	12/4/2007	Water	Tier II	No	1		1	1																

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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
etals		<u> </u>		•			•	<u>'</u>	•		•
35-528	72R (Filtered)	10/23/2007	Water	Tier II	Yes	Arsenic	Method Blank	-	-	ND(0.0100)	
						Beryllium	Method Blank	-	-	ND(0.0100)	
35-528	72R (Filtered)	10/23/2007	Water	Tier II	Yes	Chromium	Method Blank	-	-	ND(0.0100)	
						Copper	CRDL Standard %R	140.0%	80% to 120%	0.0260 J	
						Lead	Method Blank		-	ND(0.0100)	
						Nickel	CRDL Standard %R	74.0%	80% to 120%	ND(0.0500) J	
						Selenium	CRDL Standard %R CRDL Standard %R	79.6% 52.3%	80% to 120% 80% to 120%	ND(0.0200) J ND(0.0100) J	
35-528	GMA1-DUP3 (Filtered)	10/23/2007	Water	Tier II	Yes	Thallium Arsenic	Method Blank	52.5%	60% to 120%	ND(0.0100) 3	Parent Sample 72R (Filtered)
33-326	GWAT-DOP3 (Fillered)	10/23/2007	water	Herm	res	Chromium	Method Blank	1	-	ND(0.0100)	Parent Sample 72R (Filtered)
						Copper	CRDL Standard %R	140.0%	80% to 120%	ND(0.0100) J	
						Copper	Method Blank	-	-	ND(0.0100) 3	
						Lead	Method Blank	-	-	ND(0.0100)	
						Nickel	CRDL Standard %R	74.0%	80% to 120%	ND(0.0500) J	
					I	Selenium	CRDL Standard %R	79.6%	80% to 120%	ND(0.0200) J	
					1	Thallium	CRDL Standard %R	52.3%	80% to 120%	ND(0.0100) J	
35-569	GMA-1-RB-1 (Filtered)	12/4/2007	Water	Tier II	Yes	Barium	CRDL Standard %R	125.0%	80% to 120%	0.0238 J	
					1	Beryllium	CRDL Standard %R	201.0%	80% to 120%	0.00525 J	
						Cadmium	CRDL Standard %R	174.0%	80% to 120%	0.00463 J	
						Chromium	CRDL Standard %R	139.0%	80% to 120%	0.00489 J	
						Copper	CRDL Standard %R	179.0%	80% to 120%	0.00741 J	
						Lead	CRDL Standard %R	152.0%	80% to 120%	0.00578 J	
						Silver	CRDL Standard %R	146.0%	80% to 120%	0.00398 J	
						Thallium	CRDL Standard %R	50.4%	80% to 120%	ND(0.0100) J	
35-516	LSSC-16S	10/17/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	1
33-316	L33C-163	10/17/2007	water	i iei ii	res	1,4-Dioxane	ICAL RRF	0.029	>0.05	ND(0.0050) J ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.10) J	+
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.0030) J	
						Acetone	ICAL RRF	0.020	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
35-516	MW-4R	10/17/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019 0.037	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF		>0.05	ND(0.025) J	
						Bromomethane Isobutanol	CCAL %D ICAL RRF	39.2% 0.004	<25% >0.05	ND(0.0010) J ND(0.050) J	
						Propionitrile	ICAL RRF	0.004	>0.05	ND(0.030) J	+
35-516	Trip Blank	10/17/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.020) J	
33-310	Пр Бапк	10/11/2007	water	Hel II	165	1,4-Dioxane	ICAL RRF	0.023	>0.05	ND(0.10) J	
					1	2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	1
					1	2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
					I	Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
					1	Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
					1	Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
					1	Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
					I	Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
					I	Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
	I	ı		1	1	Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	

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					1						
Sample											
Delivery				Validation							
Group No.	Sample ID	Date Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
OCs (contin	ued)										
135-519	GMA1-25	10/18/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane 2-Butanone	ICAL RRF	0.001 0.044	>0.05 >0.05	ND(0.10) J ND(0.0050) J	<u> </u>
						2-Butanone 2-Chloroethylvinylether	ICAL RRF	0.044	>0.05	ND(0.0050) J ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	0.0025 J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.2%	<25%	ND(0.0010) J	
135-519	GMA1-25	10/18/2007	Water	Tier II	Yes	Bromomethane Isobutanol	CCAL %D ICAL RRF	39.2% 0.004	<25% >0.05	ND(0.0010) J ND(0.050) J	
133-319	GWA 1-25	10/16/2007	vvalei	Hei II	res	Propionitrile	ICAL RRF	0.004	>0.05	ND(0.030) J ND(0.020) J	
135-519	GMA1-27	10/18/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
					ĺ	Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
					ĺ	Acceloin	ICAL RRF	0.007 0.019	>0.05	ND(0.020) J	+
					ĺ	Acrolein Acrylonitrile	ICAL RRF	0.019	>0.05 >0.05	ND(0.025) J ND(0.025) J	
					ĺ	Bromoform	CCAL %D	39.2%	<25%	ND(0.025) J ND(0.0010) J	
						Bromoform	MS/MSD RPD	110.0%	<30%	ND(0.0010) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
135-519	GMA1-DUP-2	10/18/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	Parent Sample GMA1-25
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether Acetone	ICAL RRF	0.026 0.021	>0.05 >0.05	ND(0.013) J ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.021	>0.05	ND(0.0050) J ND(0.020) J	
						Acrolein	ICAL RRF	0.007	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.013	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
135-519	Trip Blank	10/18/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF ICAL RRF	0.044 0.026	>0.05 >0.05	ND(0.0050) J ND(0.013) J	
						2-Chloroethylvinylether Acetone	ICAL RRF	0.026	>0.05	ND(0.0050) J	
						Acetonie	ICAL RRF	0.007	>0.05	ND(0.0030) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	39.2%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
35-524	GMA1-6	10/23/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
					ĺ	1,4-Dioxane 2-Butanone	ICAL RRF ICAL RRF	0.001 0.044	>0.05 >0.05	ND(0.10) J ND(0.0050) J	
					ĺ	2-Butanone 2-Chloroethylvinylether	ICAL RRF	0.044	>0.05	ND(0.0050) J ND(0.013) J	
					ĺ	Acetone	ICAL RRF	0.020	>0.05	0.0047 J	
					ĺ	Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
					ĺ	Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
					ĺ	Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
					1	Bromoform	CCAL %D	39.7%	<25%	ND(0.0010) J	
					ĺ	Bromomethane	CCAL %D	27.8%	<25%	ND(0.0010) J	
					ĺ	lodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
					I	Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	<u> </u>
	I	1		1	1	Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	1

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
OCs (contine 135-524	ued) Trip Blank	10/23/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	T
133-324	TTIP BIATIK	10/23/2007	vvalei	i lei ii	res	1,4-Dioxane	ICAL RRF	0.029	>0.05	ND(0.0030) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein Acrylonitrile	ICAL RRF	0.019 0.037	>0.05 >0.05	ND(0.025) J ND(0.025) J	
						Bromoform	CCAL %D	39.7%	<25%	ND(0.023) J ND(0.0010) J	
						Bromomethane	CCAL %D	27.8%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
					.,,	Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
135-528 135-528	72R 72R	10/23/2007 10/23/2007	Water Water	Tier II Tier II	Yes Yes	1,2-Dibromo-3-chloropropane 1,4-Dioxane	ICAL RRF ICAL RRF	0.029 0.001	>0.05 >0.05	ND(0.0050) J ND(0.10) J	
133-320	/2R	10/23/2007	water	Hel II	res	2-Butanone	ICAL RRF	0.044	>0.05	ND(0.10) J	
						2-Chloroethylvinylether	MS/MSD %R	0.0%, 0.0%	16.7% to 200%	R	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.0050) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform Bromomethane	CCAL %D CCAL %D	39.7% 27.8%	<25% <25%	ND(0.0010) J ND(0.0010) J	
						Iodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
135-528	GMA1-DUP3	10/23/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	Parent Sample 72R
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF ICAL RRF	0.044 0.026	>0.05 >0.05	ND(0.0050) J ND(0.013) J	
						2-Chloroethylvinylether Acetone	ICAL RRF	0.026	>0.05	ND(0.013) J ND(0.0050) J	
						Acetone	Trip Blank	- 0.021	-	ND(0.0050) 3	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D CCAL %D	39.7%	<25%	ND(0.0010) J	
						Bromomethane lodomethane	CCAL %D	27.8% 33.7%	<25% <25%	ND(0.0010) J ND(0.0010) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
135-528	TripBlank	10/24/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(0.10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.0050) J	
						2-Chloroethylvinylether	ICAL RRF ICAL RRF	0.026 0.021	>0.05 >0.05	ND(0.013) J 0.0027 J	
						Acetone Acetonitrile	ICAL RRF	0.021	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(0.025) J	
						Bromoform	CCAL %D	39.7%	<25%	ND(0.0010) J	
						Bromomethane	CCAL %D	27.8%	<25%	ND(0.0010) J	
						Iodomethane	CCAL %D	33.7%	<25%	ND(0.0010) J	
						Isobutanol Propionitrile	ICAL RRF ICAL RRF	0.004 0.013	>0.05 >0.05	ND(0.050) J ND(0.020) J	
135-535	ES2-02A	10/25/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.520) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(10) J	
						1,4-Dioxane	CCAL %D	100.0%	<25%	ND(10) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.50) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(1.3) J	
						Acetone	ICAL RRF ICAL RRF	0.021 0.007	>0.05	ND(0.50) J	
						Acetonitrile Acrolein	ICAL RRF	0.007	>0.05 >0.05	ND(2.0) J ND(2.5) J	
						Acrylonitrile	ICAL RRF	0.019	>0.05	ND(2.5) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(5.0) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(5.0) J	
	İ	1		ı	1	Propionitrile	ICAL RRF	0.013	>0.05	ND(2.0) J	

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
OCs (conti	nued)										
135-535	ESA2S-64	10/25/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029	>0.05	ND(0.40) J	
						1,4-Dioxane	ICAL RRF	0.001	>0.05	ND(8.0) J	
						1,4-Dioxane	CCAL %D	100.0%	<25%	ND(8.0) J	
						2-Butanone	ICAL RRF	0.044	>0.05	ND(0.40) J	
						2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(1.0) J	
						Acetone	ICAL RRF	0.021	>0.05	ND(0.40) J	
						Acetonitrile	ICAL RRF	0.007	>0.05	ND(1.6) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(2.0) J	
						Acrylonitrile	ICAL RRF	0.037	>0.05	ND(2.0) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(4.0) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(4.0) J	
1405 505	Trin Dinni	40/05/0007	\M/=4==	T: II	V	Propionitrile	ICAL RRF	0.013	>0.05	ND(1.6) J	
3135-535	Trip Blank	10/25/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.029 0.001	>0.05 >0.05	ND(0.0050) J ND(0.10) J	
						1,4-Dioxane 1,4-Dioxane	CCAL %D	100.0%	>0.05 <25%	ND(0.10) J ND(0.10) J	
1405 505	Trin Dinni	40/05/0007	Water	Tier II	Yes	2-Butanone	ICAL RRF	0.044	<25% >0.05	0.0030 J	
3135-535	Trip Blank	10/25/2007	vvalei	i lei ii	res	2-Chloroethylvinylether	ICAL RRF	0.026	>0.05	ND(0.013) J	
						Acetone	ICAL RRF	0.020	>0.05	0.0025 J	
						Acetonitrile	ICAL RRF	0.021	>0.05	ND(0.020) J	
						Acrolein	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Acrylonitrile	ICAL RRF	0.019	>0.05	ND(0.025) J	
						Isobutanol	ICAL RRF	0.004	>0.05	ND(0.050) J	
						Isobutanol	CCAL %D	33.3%	<25%	ND(0.050) J	
						Propionitrile	ICAL RRF	0.013	>0.05	ND(0.020) J	
135-569	3-6C-EB-14	12/4/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(1.0) J	
	0 00 25	12/ 1/2001	···aioi	1.0		1,4-Dioxane	ICAL RRF	0.000	>0.05	ND(20) J	
						2-Butanone	ICAL RRF	0.039	>0.05	ND(1.0) J	
						2-Chloroethylvinylether	ICAL RRF	0.015	>0.05	ND(2.5) J	
						Acetonitrile	ICAL RRF	0.008	>0.05	ND(4.0) J	
						Acrolein	ICAL RRF	0.015	>0.05	ND(5.0) J	
						Acrylonitrile	ICAL RRF	0.025	>0.05	ND(5.0) J	
						Isobutanol	ICAL RRF	0.003	>0.05	ND(10) J	
						Propionitrile	ICAL RRF	0.004	>0.05	ND(4.0) J	
135-569	GMA-1-RB-1	12/4/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.000	>0.05	ND(0.10) J	
				1		2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
				1		2-Chloroethylvinylether	ICAL RRF	0.015	>0.05	ND(0.013) J	
				1		Acetonitrile	ICAL RRF	0.008	>0.05	ND(0.020) J	
				1		Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	<u> </u>
				1		Acrylonitrile	ICAL RRF	0.025	>0.05	ND(0.025) J	
				1		Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
				 		Propionitrile	ICAL RRF	0.004	>0.05	ND(0.020) J	
135-569	Trip Blank	12/3/2007	Water	Tier II	Yes	1,2-Dibromo-3-chloropropane	ICAL RRF	0.013	>0.05	ND(0.0050) J	
				İ		1,4-Dioxane	ICAL RRF	0.000	>0.05	ND(0.10) J	
				1		2-Butanone	ICAL RRF	0.039	>0.05	ND(0.0050) J	
				1		2-Chloroethylvinylether	ICAL RRF	0.015	>0.05	ND(0.013) J	
				1		Acetonitrile	ICAL RRF	0.008	>0.05	ND(0.020) J	
				1		Acrolein	ICAL RRF	0.015	>0.05	ND(0.025) J	
				1		Acrylonitrile	ICAL RRF	0.025	>0.05	ND(0.025) J	
				1		Isobutanol	ICAL RRF	0.003	>0.05	ND(0.050) J	
	1				l	Propionitrile	ICAL RRF	0.004	>0.05	ND(0.020) J	

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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
SVOCs											
G135-519	GMA1-25	10/18/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	39.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	35.7%	<25%	ND(0.050) J	
						2-Picoline	CCAL %D	36.4%	<25%	ND(0.010) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	64.4%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	131.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	85.9%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-519	GMA1-27	10/18/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	39.4%	<25%	ND(0.010) J	
						2-Naphthylamine	CCAL %D	35.7%	<25%	ND(0.050) J	
						2-Picoline	CCAL %D	36.4%	<25%	ND(0.010) J	
						3,3'-Dichlorobenzidine	MS/MSD RPD	33.4%	<30%	ND(0.020) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.020) J	
						a,a'-Dimethylphenethylamine	CCAL %D	64.4%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	131.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	85.9%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-519	GMA1-DUP-2	10/18/2007	Water	Tier II	Yes	2-Methylphenol	CCAL %D	39.4%	<25%	ND(0.010) J	Parent Sample GMA1-25
						2-Naphthylamine	CCAL %D	35.7%	<25%	ND(0.050) J	
						2-Picoline	CCAL %D	36.4%	<25%	ND(0.010) J	
						4-Phenylenediamine	ICAL RRF	0.018	>0.05	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	64.4%	<25%	ND(0.050) J	
						Aramite	ICAL RRF	0.019	>0.05	ND(0.010) J	
						Aramite	CCAL %D	131.6%	<25%	ND(0.010) J	
						Benzidine	CCAL %D	85.9%	<25%	ND(0.020) J	
						Hexachlorophene	ICAL RRF	0.045	>0.05	ND(0.010) J	
G135-569	GMA-1-RB-1	12/4/2007	Water	Tier II	Yes	1-Naphthylamine	CCAL %D	93.8%	<25%	ND(0.025) J	
G135-569	GMA-1-RB-1	12/4/2007	Water	Tier II	Yes	2-Naphthylamine	CCAL %D	29.2%	<25%	ND(0.025) J	
						3,3'-Dimethylbenzidine	CCAL %D	62.2%	<25%	ND(0.025) J	
						4-Phenylenediamine	CCAL %D	95.9%	<25%	ND(0.010) J	
						a,a'-Dimethylphenethylamine	CCAL %D	31.9%	<25%	ND(0.025) J	
						Aramite	CCAL %D	31.3%	<25%	ND(0.0050) J	
						Benzidine	CCAL %D	33.8%	<25%	ND(0.010) J	
						Hexachlorophene	ICAL RRF	0.023	>0.05	ND(0.0050) J	
Cyanide-MAI	DEP (PAC)	•									
G135-528	72R (Filtered)	10/23/2007	Water	Tier II	No						
G135-528	GMA1-DUP3 (Filtered)	10/23/2007	Water	Tier II	No						
G135-569	GMA-1-RB-1 (Filtered)	12/4/2007	Water	Tier II	No						

ARCADIS

Appendix E

Monitoring Results for Adjacent MCP Disposal Site

Table 1 (1 of 2) Oxygen Sparge Monitoring September 11, 2006* to August 31, 2007

					Oxygen S	Sparge Legs	1,07884 × 7					<u> </u>	4.00	
		AS-1	A	S-2	A	S-3		\S-4	A	S-5	Total	Tank 1	Tank 2	
Date	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psl)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow SCFH	psi	psi	Comments
9/15/06	2.0	2.0	4.0	1.5	1.5	1.5	1.75	1.0	1.5	1.0	10.8	170	160	System start-up
9/21/06	1.5	3.0	1.5	5.0	1.5	2.0	1.5	2.0	2.0	2.0	8.0	140	125	System stan-up
10/10/06	1.5	3.0	1.5	5.0	1.5	2.0	1.5	2.0	1.5	2.0	7.5	210	190	Departure readings Tanks E on 10/6/06 (E
10/23/06	1.25	4.0	1.5	5.0	1.5	3.5	1.5	3.5	2.0	3.0	7.8	150	140	Departure readings Tanks E on 10/6/06 (E
11/7/06	1.5	4.0	1.5	5.0	1.5	2.5	1.5	2.5	1.5	2.5	7.5	190	205	Departure readings Tanks E on arrival (D)
11/20/06	1.5	4.0	1.0	6.0	1.5	3.0	1.5	3.0	1.5	3.0	7.0	158	158	Departure readings Tariks E on arrivar (D)
12/4/06	1.5	4.0	1.5	6.0	1.5	3.0	1.5	3.0	1.5	2.5	7.5	220	235	Donature readings Tanks F as assist (D)
12/18/06	1.5	4.0	1.0	6.0	1.0	3.0	1.5	2.5	1.0	3.0	6.0	180	205	Departure readings Tanks E on arrival (D)
1/2/07	1.5	4.0	1.5	6.0	1.5	3.5	1.5	2.5	1.5	3.0	7.5	224	203	Departure readings Table F as a six (D)
1/15/07	1.5	4.0	1.0	6.0	1.0	3.0	1.3	2.5	1.0	2.5	5.8	110	100	Departure readings Tanks E on arrival (D)
1/29/07	1.5	4.0	1.5	3.0	1.5	4.0	1.5	4.0	1.5	2.5	7.5	245	240	Departure readings Table F and it (D)
2/12/07	1.5	4.0	1.0	5.5	1.0	3.0	1.5	3.0	1.5	2.5	6.5	141	141	Departure readings Tanks E on arrival (D)
2/26/07	1.5	4	1.5	6	1.5	2.5	1.5	3	1.5	2	7.5	121	240	Deporture condition Trails 5
3/12/07	1.5	4	1	6	1	2.5	1.5	3	1	2.5	6	81	90	Departure readings Tanks E on arrival (D)
3/26/07	1.5	5	1.5	6	1.5	4	1.5	4	1.5	3	7.5	245	230	Departure readings. Table 5 (D)
4/10/07	1.25	5	1	6.5	1.25	4	1.25	4	1	4	5.75	160	140	Departure readings Tanks E on arrival (D)
4/25/07	1.5	6	1.5	5	1.5	5	1.5	5	1.5	4	7.5	231	91	Departure readings. Teals II as a six (D)
5/7/07	1.5	5	1.25	5	2.25	5	2	5	1.25	4	8.25	91	110	Departure readings Tanks E on arrival (D)
5/24/07	1.5	5	1.5	6.5	1.5	5	1.5	4.5	1.5	4	7.5	235	225	Departure readings Tanks E on arrival (D)
6/4/07	1.5	5	1.5	6.5	1.5	4.5	2	4	2	3	8.5	130	120	Departure readings Tanks E on arrival (D)
6/18/07	1.5	5	1.5	6	1.5	8	1.5	4	1.5	3	7.5	172	230	Departure readings Tanks E on arrival (D)
7/3/07	1.5	5	1	6	1.5	4.5	1.5	4	1	3	6.5	210	200	Departure readings Tanks E on arrivar (D)
7/16/07	NA	NA	4	6	4	5	4	4	4	3	16	192	221	Departure readings Tanks E on arrival (D)
8/1/07	NA	NA	3.5	6	4	5	4	4	3.5	3	15	85	92	Departure readings Tanks E on anivar (D)
8/13/07	NA	NA	4	6	NA	NA	4	4	1.5	3	9.5	200	270	Departure readings Tanks E on arrival (D)
8/27/07	NA	NA	0.5	2.5	NA	NA	0	0	0	0	0.5	0	25	Tanks E on arrival and departure.
8/31/07	NA	NA	3	6	NA	NA	3	4	1.5	3	7.5	NM		Departure readings Tanks E on arrival (D)

|NOTES:

¹ Each Oxygen sparge leg is 2-inch diameter.

All readings were recorded upon arrival unless otherwise noted.

SCFH = cubic feet per hour; psi = pounds per square inch

NA = Not available - Oxygen sparge leg not in operation. NR = No reading taken. E = Empty. D = Delivery.

^{*}Oxygen sparge system activated September 11, 2006.

Table 1 (2 of 2) Oxygen Sparge Monitoring September 11, 2006* to August 31, 2007

					Oxygen S	Sparge Legs ¹						1257	20.11	
		\S-6		\S-7		\S-8		\S-9	A	S-10	Total	Tank 1	Tank 2	
Date	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow (SCFH)	Pressure (psi)	Flow SCFH	psi	psi	Comments
9/11/06	1.0	0.5	1.5	1.5	1.0	1.5	2.0	1.5	1.0	1.5	6.5	170	160	System start-up
9/21/06	1.8	2.0	1.5	2.5	1.5	1.0	1.3	2.0	1.5	2.0	7.5	140	125	Cystem start-up
10/10/06	1.5	2.0	1.5	3.0	1.5	1.5	1.5	2.5	1.5	3.0	7.5	210	190	Departure readings Tanks E on 10/6/06 ([
10/23/06	2.0	3.5	1.5	4.0	1.5	3.0	1.5	4.0	1.5	4.0	8.0	150	140	Departure readings Tanks E on To/6/06 (t
11/7/06	1.5	3.5	1.5	4.0	1.5	2.0	1.5	3.5	1.5	3.0	7.5	190	205	Departure readings Tanks E on arrival (D)
11/20/06	1.5	2.5	1.5	5.0	1.5	2.5	1.0	5.0	1.5	4.5	7.0	158	158	Departure readings Tanks E on arrivar (D)
12/4/06	1.5	4.0	1.5	4.5	1.5	2.0	1.5	5.0	1.5	4.0	7.5	220	235	Departure readings Tanks E on arrival (D)
12/18/06	0.75	4.0	0.5	4.0	1	2.0	0.5	4.5	0.5	4.0	3.3	180	205	Departure readings Talles E off affival (D)
1/2/07	1.5	3.0	1.5	4.0	1.5	2.0	1.5	5.0	1.5	5,0	7.5	224	221	Departure readings Tanks E on arrival (D)
1/15/07	1.5	3.0	1.5	3.0	1	2.0	1.0	5.0	1.5	5.0	6.5	110	100	Departure readings Tanks E on anivar (D)
1/29/07	1.5	4.0	1.5	5.0	1.5	3.0	1.5	5.0	1.5	5.0	7.5	245	240	Departure readings Tanks E on arrival (D)
2/12/07	1.0	4.0	1	5.0	1	3.0	1.0	5.0	1.5	5.0	5.5	141	141	Departure readings Tanks E on arrivar (D)
2/26/07	1.5	4	1.5	4	1.5	3	1.5	5	1.5	5	7.5	121	240	Departure readings Tanks E on arrival (D)
3/12/07	1.5	3	1	4	1.25	2	0.75	5	1.0	5	5.5	81	90	Departure readings Tanks E on anivar (D)
3/26/07	1.5	5	1.5	5	1.5	4	1.5	5	1.5	6	7.5	245	230	Departure readings Tanks E on arrival (D)
4/10/07	1	4	1.5	5	1.25	2	1	5	1	5.5	5.75	160	140	Departure readings Tanks E of arrivar (D)
4/25/07	1.5	5	1.5	6	1.5	5	1.5	6.5	1.5	10	7.5	231	91	Departure readings Tanks E on arrival (D)
5/7/07	1.5	5	2	6	2	4.5	2	6	1.5	6.5	9	91	110	Departure readings Tariks E of allivar (B)
5/24/07	1.5	5	1.5	5.25	1.5	4	1.5	6	1.5	7	7.5	235	225	Departure readings Tanks E on arrival (D
6/4/07	1.5	5	1.5	5	1.25	4	1	5.5	1.5	6	6.75	130	120	, since 2 of difficulty (D.
6/18/07	1.5	5	1.5	5	1.5	4	1.5	5	1.5	7	7.5	172	230	Departure readings Tanks E on arrival (D
7/3/07	1	4.5	1.5	5	1.5	4	1	5.5	1.75	6	6.75	210	200	
7/16/07	NA	NA	NA	NA	NA	NA	NA	NA	4	7	4	192	221	Departure readings Tanks E on arrival (D
8/1/07	NA	NA	NA	NA	NA	NA	NA	NA	3.75	7	3.75	85	92	
8/13/07	4	4	1.5	3	NA	NA	NA	NA	4	9	9.5	200	270	Departure readings Tanks E on arrival (D
8/27/07	0	0	0	0	NA	NA	NA	NA	0	0	0	0	25	Tanks E on arrival and Departure.
8/31/07	3	4	1.5	4	NA	NA	NA	NA	3	4	7.5	NM	NM	Departure readings Tanks E on arrival (D)

NOTES:

¹ Each Oxygen sparge leg is 2-inch diameter.

All readings were recorded upon arrival unless otherwise noted.

SCFH = cubic feet per hour; psi = pounds per square inch

NA = Not available - Oxygen sparge leg not in operation. NR = No reading taken. E = Empty. D = Delivery.

^{*}Oxygen sparge system activated September 11, 2006.

Table 2 Groundwater Geochemical Monitoring Data

	Pittsfield, I	Massachusett	s	1				· mointoining		
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	рH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
ECS-1	11/8/99	NA NA	NA	NA	NA.	NA NA	NA NA	NS	NS	NS
97.19	12/19/02	NA	NA NA	NA	NA NA	NA	NA.	NS	NS	NS
97.02	9/8/05	11.78	85.24	5.06	750	4.91	549	4.48	26.2	0.015
i	1/25/06	8.49	88.53	7.31	108	2.71	68.0	2.16	23.4	3.90
•	4/11/06 7/20/06	11.38 11.72	85.64 85.30	7.04 4.78	926	4.00	10.0	4.45	27.6	<0.01
	10/10/06	12.21	84.81	NA	814 NA	2.98 NA	590 NA	3.85 NS	27.5	<0.01
	1/25/07	11.34	85.68	7.65	620	4.87	33.0	3.70	NS 25.9	NS <0.01
	2/26/07	11.29	85.73	7.82	NM	2.67	182.6	NS	NS	NS
	4/24/07	9.89	87.13	NA	NA NA	NA	NA	NS	NS	NS
ECS-2 97.76	11/8/99 12/19/02	NA NA	NA NA	NA NA	NA NA	NA NA	NA	NS	NS	NS
97.60	9/8/05	12.44	85.16	5.94	NA 975	0.48	-9.5	NS NS	NS NS	NS NS
	11/1/05	10.65	86.95	6.89	1410	0.87	-65.9	NS	NS	NS
	1/25/06	10.16	87.44	6.84	781	1.52	-93.0	NS	NS	NS
	4/10/06	12.09	85.51	6.70	1,118	0.62	10.0	NS	NS	NS
	7/20/06	12.42	85.18	3.40	1,601	0.29	572	NS	NS	NS
	9/15/06	13.44	84.16	6.99	NM	3.88	-36.8	NS	NS	NS
	9/21/06	13.00 12.84	84.60 84.76	6.97	NM	11.68	237	NS	NS	NS
	10/10/06	12.92	84.68	6.97 NM	NM 805	2.27 0.63	60.3 28.0	NS NS	NS NS	NS
	10/23/06	12.25	85.35	6.28	NM	0.80	NM	NS NS	NS NS	NS NS
	11/7/06	12.21	85.39	6.67	NM	8.83	-60.8	NS	NS	NS NS
	11/20/06	11.58	86.02	7.12	NM	8.94	161.7	NS	NS	NS
	12/4/06	12.06	85.54	7.19	NM	9.96	228.8	NS	NS	NS
	12/18/06	12.54	85.06	6.20	NM	9.40	10.9	NS	NS	NS
	1/2/07 1/15/07	12.44 11.94	85.16 85.66	7.34 7.41	NM	8.68	-122.3	NS	NS	NS
	1/25/07	12.06	85.54	7.10	NM 838	8.76 1.84	-133.6 6.0	NS NS	NS NS	NS
	1/29/07	12.21	85.39	7.07	NM	12.24	-98.9	NS NS	NS NS	NS NS
	2/12/07	12.74	84.86	7.34	NM	11.84	-6.2	NS	NS	NS
	2/26/07	12.01	85.59	7.28	NM	6.63	252.3	NS	NS	NS
	3/12/07	12.92	84.68	6.68	NM	14.60	32.2	NS	NS	NS
	3/26/07 4/10/07	11.91	85.69	6.67	NM	11.34	-66.9	NS	NS	NS
	4/24/07	11.26 10.39	86.34 87.21	7.09 4.94	NM 1015	5.75	-1.8	NS	NS	NS
	5/7/07	11.27	86.33	5.66	NM	0.60 11.98	-27.6 32.9	NS NS	NS NS	NS NS
	5/24/07	11.02	86.58	5.82	NM	10.45	45.7	NS	NS	NS NS
	6/4/07	12.13	85.47	5.52	NM	*24.65	-8.6	NS	NS	NS
	6/18/07	12.38	85.22	6.48	NM	15.23	-67.2	NS	NS	NS
	7/3/07	12.52	85.08	7.60	NM	15.09	37.0	NS	NS	NS
	7/16/07	12.81	84.79	7.25	NM	15.37	58.0	NS	NS	NS
1	8/1/07 8/13/07	12.95 13.01	84.65 84.59	6.61 5.22	NM NM	14.28	-57.4	NS	NS	NS
	8/27/07	13.23	84.37	6.48	NM	15.20 19.17	-265.0 -92.2	NS NS	NS NS	NS NS
ECS-3	11/8/99	NA	NA	NA	NA	NA.	NA	NS	NS	NS
97.95	12/19/02	NA	ÑΑ	NA NA	NA	NA NA	NA	NS	NS	NS
97.76	9/8/05	12.65	85.11	5.64	1,418	0.87	-69.9	<1.0	<10.0	53.9
	11/1/05	10.87	86.89	6.23	694	1.52	-0.4	NS	NS	NS
	1/25/06 4/11/06	NG 12.34	NA 85.42	NM 6.60	NM 2.070	NM 0.36	NM 40.0	NS -0.4	NS	NS 10.0
ł	7/20/06	12.56	85.42 85.20	6.69 3.10	2,070 908	0.36 0.32	-40.0 610	<0.1 <0.5	<1.0	10.3
ļ	9/15/06	13.61	84.15	6.89	NM :	5.24	-57.3	<0.5 NS	27.5 NS	14.4 NS
İ	9/21/06	13.24	84.52	7.19	NM	10.88	255	NS	NS	NS
-	10/6/06	13.08	84.68	6.97	NM	3.19	8.2	NS	NS	NS
1	10/10/06	13.17	84.59	7.05	599	0.55	78.0	NS	NS	NS
ļ	10/23/06 11/7/06	12.25	85.51	6.28	NM	2.18	NM	NS	NS	NS
1	11/20/06	12.45 11.81	85.31 85.95	6.60 6.52	NM NM	9.35	-68.8	NS	NS NC	NS NS
	12/4/06	12.31	85.45	7.24	NM NM	10.34 3.85	177.8 342.4	NS NS	NS NS	NS NS
- 1	12/18/06	12.77	84.99	6.27	NM	8.35	-31.9	NS NS	NS NS	NS NS
1	1/2/07	12.64	85.12	7.19	NM	7.25	-209.7	NS	NS NS	NS NS
1	1/15/07	12.19	85.57	7.12	NM	7.39	-209.4	NS	NS	NS
l	1/25/07	12.27	85.49	7.25	627	1.20	6.0	<0.5	28.4	5.98
]	1/29/07	12.47	85.29	7.18	NM	8.72	-125.6	NS	NS	NS
I	2/12/07	12.96	84.80	7.55	NM	10.63	-89.0	NS	NS	NS
	2/26/07 3/12/07	NG-S NG-S	NA NA	NM	NM NM	NM	NM	NS	NS	NS
1	3/26/07	12.13	85.63	NM 6.72	NM NM	NM 8.71	-80.60	NS NS	NS NS	NS NS
	4/10/07	11.51	86.25	7.00	NM	14.93	-8.40	NS NS	NS NS	NS NS
1	4/24/07	10.62	87.14	6.70	819	1.43	-66.8	NS NS	NS	NS NS
-	5/7/07	11.52	86.24	5.24	NM	12.26	38.2	NS	NS	NS
į	5/24/07	11.38	86.38	5.43	NM	9.37	49.2	NS	NS	NS
	6/4/07	12.4	85.36	5.72	NM	8.62	-16.7	NS	NS	NS
	6/18/07	12.59	85.17	6.64	NM	12.59	-141.8	NS	NS	NS
	7/3/07 7/16/07	12.98 13.27	84.78	7.98	NM	15.82	37.7	NS	NS	NS
	8/1/07	13.27	84.49 84.58	7.92 6.78	NM NM	15.98	56.4	NS NS	NS NC	NS NS
	8/13/07	13.26	84.50	6.77	NM NM	18.48 2.18	-76.9 -262.7	NS NS	NS NS	NS NS
1	8/27/07	13.48	84.28	6.77	NM	11.05	-115.8	NS	NS	NS
			<u></u> l							
TES:										

NOTES:

It = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

Table 2 Groundwater Geochemical Monitoring Data

	. mainiu, n	nassacnuseu	3							
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved from (mg/L)
ECS-4	11/8/99	NA	NA	NA	NA	NA	NA	NS	NS	NS
97.06	12/19/02	NA	NA	NA	NA NA	NA NA	NA	NS	NS	NS
96.75	9/8/05	11.94	84.81	NM	NM	NM	NM	NS	NS	NS
1	1/25/06	NG	NA	NM	NM	NM	NM	NS	NS	NS
!	4/10/06	11.51	85.24	NM	NM	NM	NM	NS	NS	NS
ŀ	7/20/06	11.96	84.79	5.67	1,013	246	932	NS	NS	N\$
	9/15/06	DRY	NA	NM	NM	NM	NM	NS	NS	NS
	9/21/06	DRY	NA	NM	NM	NM	NM	NS	NS	NS
·	10/6/06	12.36	84.39	NM	NM	NM	NM	NS	NS	NS
	10/10/06	12.43	84.32	NS	NS	NS	NS	NS	NS	NS
	10/23/06	11.75	85.00	5.94	NM	2.51	NM	NS	NS	NS
	11/7/06	11.72	85.03	6.54	NM	10.47	-42.90	NS	NS	NS
	11/20/06	11.08	85.67	7.01	NM	10.25	166.30	NS	NS	NS
	12/4/06	DRY	NA NA	NM	NM	NM	NM	NS	NS	NS
	12/18/06	DRY	NA NA	NM	NM	NM	NM	NS	NS	NS
	1/2/07	11.93	84.82	6.78	NM	10.48	-36.50	NS	NS	NS
	1/15/07	11.41	85.34	6.95	NM	10.82	-86.90	NS	NS	NS
	1/25/07	11.55	85.20	NS	NM	NS NS	NS	NS	NS	NS
	1/29/07	11.72	85.03	6.95	NM	12.86	-35.2	NS	NS	N\$
	2/12/07	12.23	84.52	NM	NM	NM	NM	NS	NS	NS
	2/26/07	NG	NA	NM	NM	NM	NM	NS	NS	NS
	3/12/07	12.42	84.33	NM	NM	NM	NM	NS	NS	NS
	3/26/07	11.39	85.36	5.87	NM	13.76	179.60	NS	NS	NS
	4/10/07	10.46	86.29	6.75	NM	12.17	64.50	NS	NS	NS
	4/24/07	9.88	86.87	5.83	891	4.95	202	NS	NS	NS
	5/7/07	11.79	84.96	6.42	NM	5.34	136	NS	NS	NS
	5/24/07	11.65	85.10	6.23	NM	4.21	150	NS	NS	NS
	6/4/07	11.63	85.12	5.72	NM	9.72	38	NS	NS	NS
	6/18/07	11.81	84.94	6.53	NM	12.81	123	NS	NS	NS
	7/3/07	12.25	84.50	7.65	NM	7.17	87	NS	NS	NS
	7/16/07	12.31	84.44	7.41	NM	7.23	83	NS	NS	NS
	8/1/07	12.47	84.28	6.58	NM	20.52	101	NS	NS	NS
	8/13/07	12.53	84.22	6.40	NM	6.61	265	NS	NS	NS
	8/27/07	12.61	84.14	6.59	NM	9.21	-89	NS	NS	NS
ECS-5	11/8/99	NA .	NA	NA	NA	NA	NA .	NS	NS	NS
97.73	12/19/02	NA .	NA	NA NA	NA	NA	NA.	NS	NS	NS
97.56	9/8/05	12.44	85.12	5.12	893	1.47	484	NS	NS	NS
	1/25/06	10.22	87.34	7.31	830	1.67	6.0	NS	NS	NS
	4/11/06	11.15	86.41	6.81	910	2.61	18.0	NS	NS	NS
İ	7/20/06	12.48	85.08	4.93	803	2.63	559	NS	NS	NS
1	10/10/06	12.98	84.58	NM	NM	NM	NM	NS	NS	NS
	1/25/07	12.14	85.42	NM	NM	NM	NM	NS	NS I	NS
l	2/26/07	12.11	85.45	8.06	NM	2.21	193.8	NS	NS	NS
	4/24/07	10.43	87.13	NA	NA	NA	NA NA	NS	NS	NS
ECS-6	2/13/03	NA	NA	NA						
96.58	9/8/05	11.34	NA es no	NA 4 07	NA 070	NA 0.40	NA 050	NS	NS	NS
96.34	11/1/05	9.57	85.00	4.97	972	0.43	258	NS	NS	NS
30.34			86.77	6.67	893	1.22	26.8	NS	NS	NS
ŀ	1/25/06	9.10	87.24	6.90	907	0.60	-99.0	NS	NS	NS
1	4/10/06 7/20/06	11.05	85.29	7.15	1,146	0.47	64.0	NS	NS	NS
1		11.40	84.94	4.11	907	0.17	561	NS	NS	NS
- 1	10/10/06	11.89	84.45	NM	657	0.84	86.4	NS	NS	NS
į	1/25/07	10.99	85.35	7.12	802	1.91	49.0	NS	NS	NS
İ	4/24/07	9.35	86.99	6.71	885	0.26	-10.4	NS	NS	NS
ECS-7	2/13/03	NA	NA	NA NA	NA NA	NA	NA	NS	NS	NS
95.97	9/8/05	9.75	85.79	5.55	1,398	1.20	243	NS	NS	NS
95.54	1/25/06	9.05	86.49	6.85	925	0.35	16.0	NS	NS	NS :
	4/10/06	9.90	85.64	6.44	1,490	0.79	180	NS	NS	NS
ı	7/20/06	9.78	85.76	NM	NM	NM	NM	NS	NS	NS
- 1	10/10/06	9.96	85.58	NM	NM	NM	NM	NS	NS	NS
I	1/25/07	9.70	85.84	NM	NM	NM	NM	NS	NS	NS
	4/24/07	9.47	86.07	NM	NM	MM	NM	NS	NS	NS
OTES:					أوالت فت المساويات					

NOTES:

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

Table 2 **Groundwater Geochemical Monitoring Data**

	Pittsfield, I	Massachusett	s							
Monitoring Well & PVC Elevation (ft)	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved Iron (mg/L)
ECS-8	2/13/03	NA 10.05	NA OF AD	NA	NA	NA	NA	NS	NS	NS
95.72 95.43	9/8/05 1/25/06	10.35 NG	85.08	4.74 NM	1,534	1.20	469	<0.1	52.6	18.3
90.40	4/11/06	9.98	NA 85.45	6.51	NM 103	NM 0.46	NM	NS	NS 50.0	NS
	7/20/06	10.28	85.15	NM	193 NM	0.16 NM	4.0 NM	<0.1 NS	59.2 NS	1.64
	9/15/06	11.29	84.14	6.62	NM	10.17	-2.8	NS NS	NS NS	NS NS
	9/21/06	10.31	85.12	6.75	NM	7.85	123	NS	NS	NS NS
	10/6/06	11.75	83.68	7.63	NM	1.23	27.0	NS	NS	NS
	10/10/06	10.81	84.62	NM	NM	NM	NM	NS	NS	NS
	10/23/06	NG	NA NA	NM	NM	NM	NM	NS	NS	NS
	11/7/06	10.09	85.34	6.33	NM	7.43	-34.7	NS	NS	NS
	11/20/06	9.47	85.96	6.82	NM	3.53	78.6	NS	NS	NS
	12/4/06	9.92	85.51	7.92	MM	10.70	179.5	NS	NS	NS
	12/18/06	11.42	84.01	6.18	NM	7.30	27.2	NS	NS	NS
	1/2/07	10.33	85.10	6.69	NM	7.64	-98.5	NS	NS	NS
	1/15/07	9.87	85.56	6.82	NM	7.33	-109.6	NS	NS	NS
	1/25/07	9.91	85.52	NM	NM	NM	NM	NS	NS	NS
	1/29/07	10.08	85.35	7.13	NM	13.11	-79.2	NS	NS	NS
	2/12/07	11.62	83.81	6.93	NM	10.22	14.4	NS	NS	NS
	2/26/07	10.35	85.08	7.31	NM	6.41	246.7	NS	NS	NS
	3/12/07	10.22	85.21	7.14	NM	8.63	62.7	NS	NS	NS NS
	3/26/07 4/10/07	9.84	85.59 86.27	7.15	NM	9.40	39.7	NS	NS	NS
	4/10/07	9.16 8.19	86.27 87.24	7.06	NM 1.075	11.61	60.4	NS NC	NS	NS
	5/7/07	9.00	87.24 86.43	6.40 5.01	1,075 NM	8.84 11.69	222.6 90.8	NS NS	NS NS	NS NC
	5/24/07	9.83	85.60	5.47	NM	10.14	108.2	NS NS	NS NS	NS NS
	6/4/07	9.08	86.35	5.13	NM	8.03	43.6	NS NS	NS NS	NS NS
	6/18/07	10.18	85.25	6.28	NM	13.65	-14.7	NS	NS	NS NS
	7/3/07	10.62	84.81	7.36	NM	7.44	90.8	NS	NS	NS
	7/16/07	11.89	83.54	7.14	NM	7.54	104.7	NS	NS	NS
	8/1/07	10.83	84.60	6.45	NM	7.61	71.8	NS	NS	NS
	8/13/07	10.92	84.51	5.71	NM	3.10	-283.4	NS	NS	NS
	8/27/07	11.17	84.26	6.27	NM	7.42	-13.8	NS	NS	NS
ECS-9	2/13/03	NA	NA	NΑ	NA	NA	NA	NS	NS	NS
95.22	9/19/05	10.91	84.08	6.22	1,047	4.69	-46.8	<0.1	<1.0	11.5
94.99	1/25/06	8.38	86.61	6.32	944	0.80	-89.0	<0.1	7.27	9.75
	4/11/06 7/20/06	10.33 10.72	84.66 84.27	6.52	157	0.60	-13.0	<0.1	<1.0	0.945
	10/10/06	11.12	83.87	3.02 NA	1,136 NA	0.30 NA	445 NA	<0.1 NS	<1.0	10.8
	1/25/07	10.31	84.68	6.64	995	1.42	-2	<0.5	NS <5.0	NS 10.6
	4/24/07	8.57	86.42	6.40	1,609	0.58	-2.6	NS	NS	NS
ECS-10	2/13/03	NA	NA	NA .	NA	NA.	NA	NS	NS	NS
95.90	9/8/05	9.59	86.16	4.40	1,624	0.93	601	NS	NS	NS
95.75	1/25/06	8.57	87.18	6.96	1,850	0.37	23.0	NS	NS	NS
	4/10/06	9.52	86.23	6.60	234	0.35	180	NS	NS	NS
	7/20/06	9.42	86.33	NM	NM	NM	NM	NS	NS	NS
1	10/10/06 1/25/07	9.64 9.31	86.11 86.44	NM NM	NM NM	NM	NM	NS	NS	NS
	4/24/07	8.53	87.22	NM	NM	NM NM	NM NM	NS NS	NS NS	NS NS
ECS-11	1/25/06	9.28	87.42	6.42	1,033	0.70	-74.0	<0.1	25.2	10.4
96.70	4/10/06	10.94	85.76	6.92	1,103	0.67	-5.0	NS	NS	NS
l	7/20/06	11.31	85.39	4.75	1,024	0.25	503	NS	NS	NS
İ	9/15/06	12.31	84.39	7.00	NM	8.92	-49.9	NS	NS	NS
1	9/21/06	11.89	84.81	6.95	NM	10.01	266	NS	NS	NS
ı	10/6/06	11.74	84.96	8.10	NM	2.48	-41.5	NS	NS	NS
I	10/10/06	11.81	84.89	NM C40	649	0.63	71.4	NS	NS	NS
l	10/23/06 11/7/06	11.20	85.50 95.96	6.12	NM	1.60	NM	NS	NS	NS
- 1	11/7/06	10.74	85.96 86.21	6.76	NM	10.43	-51.4	NS	NS	NS
1	12/4/06	10.49 10.93	86.21 85.77	7.56	NM	8.52	-11.5	NS NS	NS NS	NS NS
Į	12/18/06	11.40	85.77 85.30	7.46	NM NM	12.59	232.5	NS NS	NS NS	NS NS
- 1	1/2/07	11.34	85.36	6.44 7.69	NM NM	8.36 8.30	-8.5 -127.5	NS NS	NS NS	NS Ne
İ	1/15/07	10.89	85.81	7.69	NM NM	8.39 8.16	-127.5 -133.4	NS NS	NS NS	NS NS
İ	1/25/07	10.03	85.72	7.03	849	1.58	4.0	NS NS	NS NS	NS NS
l	1/29/07	11.11	85.59	7.43	NM	8.73	-105.0	NS	NS NS	NS NS
l	2/12/07	11.54	85.16	7.22	NM	10.69	-48.6	NS	NS	NS
l	2/26/07	11.14	85.56	7.14	NM	4.89	NM	NS	NS	NS
1	3/12/07	11.91	84.79	7.07	NM	9.85	42.4	NS	NS	NS
l	3/26/07	10.86	85.84	7.29	NM	10.23	-38.8	NS	NS	NS
- 1	4/10/07	10.2	86.50	7.25	NM	12.52	66.7	NS	NS	NS
1	4/24/07	9.35	87.35	5.70	1,163	0.30	149.2	NS	NS	NS
i	5/7/07	10.18	86.52	5.37	NM	12.55	59.1	NS	NS	NS
[5/24/07	10.98	85.72	5.82	NM [11.23	58.6	NS	NS	NS
į.	6/4/07	11.05	85.65	6.63	NM	6.17	210.1	NS	NS	NS
l	6/18/07	11.28	85.42	6.72	NM	9.23	10.2	NS	NS	NS
1	7/3/07	11.65	85.05	7.85	NM	15.90	81.5	NS	NS	NS
1	7/16/07	12.92	83.78	7.03	NM	13.29	98.3	NS	NS	NS
I	8/1/07	11.87	84.83	6.94	NM	9.42	-0.6	NS	NS NS	NS
ł	8/13/07 8/27/07	11.97 12.2	84.73 84.50	6.27	MM	1.21	-319.1	NS	NS NS	NS NS
1	J. 2.7.01	12.2	VI.50	6.65	NM	8.97	-51.7	NS	NS	NS
OTES:								******		

NOTES:

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

O'Connell Oll/Mobil Station 730 East Street

Groundwater Geochemical Monitoring Data

		st Street assachusetts								
Monitoring Well & PVC	Monitoring Date	Depth to Water (ft)	Groundwater Elevation (ft)	pH (SU)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Redox (mV)	Nitrate (mg/L)	Sulfate (mg/L)	Dissolved iron (mg/L)
Elevation (ft)			87.51	6.44	1,207	0.53	-117	NS	NS	NS NS
ECS-12	1/25/06	8.64	85.55	6.65	1,436	0.42	14.0	NS	NS <5.0	15.5
96.15	4/10/06	10.60	85.20	4.19	1,419	0.12	506	15.5		NS
	7/20/06	10.95	84.23	6.60	NM	8.11	-47.5	NS	NS I	NS
	9/15/06	11.92	84.62	6.67	NM	9.63	283	NS	NS	NS
	9/21/06	11.53		7.68	NM	1.24	-22.7	NS	NS	
	10/6/06	11.35	84.80	6.58	1,291	0.48	-23.3	NS	NS	NS NS
	10/10/06	11.42	84.73	5.91	NM	1.46	NM	NS	NS	NS
	10/23/06	10.79	85.36	6.65	NM	5.74	-69.8	NS	NS	NS
	11/7/06	10.74	85.41	6.94	NM	8.77	72.5	NS	NS	NS
	11/20/06	10.15	86.00		NM	12.13	199.4	NS	NS	NS
	12/4/06	10.58	85.57	7.32	NM	7.52	-3.8	NS	NS	NS
	12/18/06	11.04	85.11	6.20	NM	8.41	-120.8	NS	NS	NS
	1/2/07	10.96	85.19	7.29	l .	8.29	-128.6	NS	NS	NS
	1/15/07	10.56	85.59	7.02	NM	1.51	9.0	<2.0	<20.0	15.8
	1/25/07	12.55	83.60	6.93	1,500	13.75	-94.7	NS	NS	NS
	1/29/07	11.74	84.41	7.22	NM	13.78	-52.9	NS	NS	NS
	2/12/07	11.23	84.92	6.95	NM	NM	NM	NS	NS	NS
	2/26/07	NG-S	NA NA	NM	NM		NM	NS	NS NS	NS
	3/12/07	NG-S	NA NA	NM	NM	NM 10.40	-89.60	NS	NS	NS
	3/26/07	10.42	85.73	7.06	NM	12.40	-89.60	NS	NS	NS
	4/10/07	9.77	86.38	6.76	NM	10.88	1	NS	NS	NS
	4/24/07	8.83	87.32	5.48	1,642	0.30	-57.8	NS	NS	NS
		9.89	86.26	5.93	NM	16.80	-11.9	NS NS	NS	NS
	5/7/07	10.21	85.94	6.01	NM	13.25	24.3	NS NS	NS	NS
	5/24/07	10.66	85.49	5.99	NM	12.92	28.4		NS	NS
	6/4/07	10.86	85.29	6.71	NM	12.56	-84.4	NS NS	NS	NS.
	6/18/07	11.27	84.88	7.85	NM	21.14	46.2		NS	NS
	7/3/07		83.61	7.88	NM	18.24	60.7	NS	NS	NS
	7/16/07	12.54	84.68	6.80	NM	9.79	-59.9	NS	NS	NS
	8/1/07	11.47	84.59	6.35	NM	1.35	-331.1	NS	NS	NS
	8/13/07 8/27/07	11.56 11.78	84.37	6.34	NM	8.73	-75.3	NS		
ECS-13	1/25/06	NG	NA NA	NM	NM	NM	NM -2.0	NS NS	NS NS	NS NS
97.66	4/10/06	12.20	85.46	6.61	246	0.75	543	NS	NS	NS.
97.00	7/20/06	12.53	85.13	3.00	890	0.28		NS	NS	NS.
	9/15/06	10.45	87.21	7.10	NM NM	9.28	-40.2	NS NS	NS	NS
	9/21/06	13.11	84.55	7.76	NM	11.94	244	NS	NS	NS
l	10/6/06	12.97	84.69	8.19	NM	4.94	-7.6	NS	NS	NS
	10/10/06	1	84.65	6.32	533	0.73	14.2	NS	NS	NS
	10/23/06		85.32	6.40	NM	1.50	NM	NS	NS	NS
	11/7/06	12.31	85.35	6.25	NM	13.45	109.4		NS	NS
1	,		85.94	6.74	NM	3.33	16.3	NS	NS	NS
l	11/20/06	12.18	85.48	7.42	NM	9.57	180.2	NS	NS	NS
ŀ	12/4/06	1	85.04	6.40	NM	5.97	-13.7	NS	NS	NS
	12/18/06	12.58	85.08	7.29	NM	6.41	-135.4		NS	NS
	1/2/07	1	85.62	7.18	NM	6.27	-173.5		NS NS	NS
l .	1/15/07		85.48	7.59	668	1.46	57.0	NS		NS
1	1/25/07		85.32	7.58	NM	12.82	-84.6	NS	NS	NS.
l	1/29/07		84.83	7.41	NM	8.54	-59.4	NS	NS NS	NS NS
I	2/12/07			NM	NM	NM	NM	NS	NS	NS NS
1	2/26/07		NA NA	NM	NM	NM	NM	NS	NS	1
1	3/12/07	1	NA 95.63	6.92	NM	14.41	104.5		NS	NS
į.	3/26/07		85.63	6.69	NM	13.47	14.60		NS	NS NS
ł	4/10/07		86.25		685	280.00	41.3		NS	NS
1	4/24/07		87.15	6.96 4.75	NM	15.95			NS	NS NS
i	5/7/07		86.24		NM	14.82		7 NS	NS	NS
1	5/24/07		86.39	5.06	NM	11.05			NS	NS
I	6/4/07			6.18	NM	14.44		1	NS	NS
I	6/18/07			7.31		12.65	1		NS	l NS
1	7/3/07	12.88		8.22	NM	12.64			NS	NS
	7/16/0			7.81	NM	24.48			NS	NS
i	8/1/07			7.34	NM	10.09	1		NS	NS
I	8/13/0		84.49	6.97		10.0		1	NS	l NS
l	8/27/0		84.27	6.61	ММ	10.76				NS
ECS-14	4/10/0	6 10.00		6.92		0.20 NM	1		NS NS	NS.
96.25	7/20/0			NM	NM	NM NM	NM	1	NS	NS NS
30.23	10/10/0			NM	NM	1	1		NS	l NS
1	1/25/0			NM		NM			NS	NS
	4/24/0		1	ММ	NM	NM	NN	, NS		
ECS-15	5 4/10/0	6 10.47	, 85.98	6.54		0.97		1	NS NS	NS NS
		· 1		NM	ММ	NM			NS	N
96.45		1		NM		NM			•	N:
1	10/10/	l l		NM		NM			NS NS	N
1	1/25/0 4/24/0			NM		NM	NI NI	A NS	149	

NOTES:

ft = feet; SU = standard units; mS/cm = milliSiemens per centimeter; mg/L = milligrams per liter; mV = millivolts.

NG = Not gauged; NS = Not sampled; NA = Not applicable; NM = Not measured. NG-S= Not gauged due to snow.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05. Bold date denotes a groundwater sampling event.

Table 3 (1 of 3) Site Monitoring Data

ionitoring Well Elevation (ft)	Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl- benzene (µg/L)	Xylenes (μg/L)	S BTEX (µg/L)	Naphthalene (μg/L)	MtBE (µg/L)	C _s - C _s Allphatics (mg/L)	C ₉ - C ₁₂ Allphatics (mg/L)	C _s - C _{to} Aromatics (mg/L)
МСР М	thod 1 Standard	is	GW-2: GW-3:	2,000 10,000*	8,000* 4,000*	30,000 4,000	9,000° 500°	NA NA	1,000* 20.000*	50,000 50,000	1.0 4.0	1.0	5.0
					1,000	1,000			20,000	30,000	, 4.0	20.0	4.0
ECS-1	11/8/99	11.48	85.71	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
97.19	12/19/02	11.60	85.59	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
97.02	9/8/05	11.78	85.38	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
97.16	1/25/06	8.49	88.67	<5.0	<5.0	<5.0	<15	ND	<5.0	6.5	0.263	<0.025	<0.025
	4/11/06	11.38	85.78	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	11.72	85.44	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	10/10/06	12.21	84.95	NS	, NS	NS	NS	NA	NS	NS	NS	NS	NS
i Angles and the second second second second second second second second second second second second second secon	1/25/07	11.34	85.82	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/24/07	9.89	87.27	NS	NS	, NS	NS	NA	NS	NS	NS	NS	NS NS
ECS-2	11/8/99	12.35	85.41	<100	670	1,600	7,400	9,670	260	190	<1.50	<0.500	5.0
97.76	12/19/02	12.56	85.20	<20	1,000	420	1,920	3,340	34	5,700	0.501	<0.100	0.54
97.60	9/8/05	12,44	85.16	<5.0	754	463	2,396	3,613	92	3,330	2.35	1,52	3.13
	11/1/05	10.65	86.95	<50	425	366	1,502	2,293	<50	4,590	2.37	0.44	2.81
	1/25/06	10.16	87.44	32.2	778	781	3.827	5,418	163	1,970	5.23	1,39	4.31
	4/10/06	12.09	85.51	42.1	600	1,040	5,820	7,502	244	1,590	9.29	3.63	6.64
	7/20/06	12.42	85.18	<100	670	1,090	5,460	7,220	240	31,700	2.70	2.85	4.53
	10/10/06	12.92	84.68	<50	81.9	232	951	1,265	<50	4,860	<0.750	0.763	
1	1/25/07	12.06	85.54	<10	79.1	139	642	860	29.9	1,180	0.793	0.763	1.82
	4/24/07	10.39	87.21	<25	114	479	2,113	2,706	81.6	2,080	1.92	1.12	1.01 2.39
ECS-3	44/0/00	40.50			1								
	11/8/99	12.58	85.37	<100	10,500	2,700	12,200	25,400	370	<100	<1.50	<0.500	9.2
97.95	12/19/02	12.70	85.25	<100	2,900	1,400	4,900	9,200	100	240	0.594	<0.100	2.22
97.76	9/8/05	12,65	85.11	55	3,210	3,010	14,190	20,465	468	821	15.1	5.5	11.0
	11/1/05	10.87	86.89	10.2	565	536	2,250	3,361	83	<5.0	2.54	0.13	1.88
	1/25/06	NG	NA NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/11/06	12.34	85.42	145	2,390	3,820	16,930	23,285	491	546	27.1	5.35	12.3
	7/20/06	12.56	85.20	<20	564	744	2,909	4,217	131	70	3.50	2,40	3.15
 	10/10/06	13,17	84.59	15.1	1,110	1,280	5,570	7,975	150	<10	2.93	1,23	2.98
	1/25/07	12.27	85.49	11.3	168	865	3,694	4,738	137	65.6	2.62	0.711	3.02
	4/24/07	10.62	87.14	<5.0	87.1	112	510	709		7.5	0.298	0.169	0.446
ECS-4	11/8/99	11.78	85.28	<5.0	<5.0	340	460	800	20	19	0.42	<0.025	0.45
97.06	12/19/02	12.45	84.61	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NA	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)
96.75	9/8/05	11.94	84.81	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NA	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)	NS (DRY)
	1/25/06	NG	NA	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/10/06	11.51	85.24	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	< 0.075	<0.025	<0.025
	7/20/06	11.96	84.79	<5.0	<5.0	<5.0	<15	ND	<5.0	10.9	<0.075	<0.025	<0.025
	10/10/06	12.43	84.32	NS	NS	NS	NS	NA	NS	NS	NS	NS NS	NS
	4/24/07	9.88	86.87	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025

NOTES: Depth to water in feet from PVC. ft = feet. µg/L = micrograms per liter. mg/L = millograms per liter. MCP Method 1 Standards as set forth by 310 CMR 40,0974(2).

Shading indicates value or detection limit exceeds GW-2 standard. Boilding Indicates value or detection limit exceeds GW-3 standard.

D ≃ Duplicate sample.

Elevation of PVC in feet.

NA = Not applicable/available.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05

Table 3 (2 of 3) Site Monitoring Data

fonitoring Wel & Elevation (ft)	Sampling Date	Depth to Water (ft)	Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl- benzene (µg/L)	Xylenes (µg/L)	S BTEX (µg/L)	Naphthalene (µg/L)	MtBE (µg/L)	C ₆ - C ₈ Aliphatics (mg/L)	C ₅ - C ₁₂ Aliphatics (mg/L)	C _s - C ₁₀ Aromatics (mg/L)
MCP N	lethod 1 Standard	is.	GW-2:	2,000	8,000*	30,000	9,000*	NA	1,000*	50,000	1.0	1.0	5.0
·			GW-3:	10,000*	4,000*	4,000	500*	NA	20,000*	50,000	4.0	20.0	4.0
ECS-5	11/8/99	12.26	85.47	<20	110	1,400	6,000	7 640		÷	+		
97.73	12/19/02	12.54	85.19	<5.0	<5.0	70	339	7,510	240	<20	1,2	<0.100	5.0
97.56	9/8/05	12,44	85.12	<5.0	5.7	48	208	409	12	<5.0	0.105	<0.025	0.404
	1/25/06	10.22	87.34	<5.0	<5.0	28.7	1000 0000 0 0 0 0 0 0	262	27	<5.0	0.403	0.438	0.948
	4/11/06	11.15	86.41	<5.0	<5.0	13.2	109 52.4	138	20.5	<5.0	0.480	0.414	0.988
The state of the s	7/20/06	12,48	85.08	<5.0	<5.0	<5.0	14.6	. 66	10.1	<5.0	0.330	0.336	0.678
	10/10/06	12.98	84.58	NS	NS	NS	NS	15	6.2	<5.0	0.187	0.286	0.414
	4/24/07	10.43	87.13	NS	NS			NA	NS	NS	NS	NS	NS
			<u> </u>			NS	NS	NA	NS	NS	NS	NS	NS
ECS-6	2/13/03	10.74	85.84	<5.0	<5.0	<5.0	<10	ND	<5.0	<5.0	<0.075	<0.025	0.026
96.58	9/8/05	11.34	85.00	<20	53	1,170	4,183	5,406	167	<20	4.15	1.90	The second contract of the con
96.34	11/1/05	9.57	86.77	<5.0	15.8	172	564	752	41.0	13.4	0.885	And a second second second second second	4.96
-	1/25/06	9.10	87,24	<10.0	23.3	390	1,029	1,442	45.4	51.8	2,24	0.264	1.37
	1/25/06D	NA	NA	<10.0	14.7	363	962	1,340	57.1	50.2	2.22	1.04	2.17
	4/10/06	11.05	85.29	<5.0	12.6	130	352	495	30.3	<5.0	0.944	······································	2.12
	7/20/06	11.40	84.94	<5.0	<5.0	<5.0	<15	ND .	<5.0	<5.0	0.095	0.512 0.049	0.985
	7/20/06D	NA	NA	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	0.049	0.091
*	10/10/06	11.89	84.45	<5.0	6.4	123	286	415	8.3	26.4	0.380	0.045	0.067
10 10 To 10 10 10 10 10 10 10 10 10 10 10 10 10	1/25/07	10.99	85.35	<5.0	7.5	172	568.1	748	40.9	128.0	0.653	and the second second second second	0.183
	4/24/07	9.35	86.99	<5.0	<5.0	91	83.2	174	14.7	40.6	0.053	0.385	1.570
							T.IIT	a see sidela aa ka	1721	40.0	0.132	0.109	0.297
ECS-7	2/13/03	10.14	85.83	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.97	9/8/05	9.75	85.79	<5.0	<5.0	<5.0	<15	ND .	<5.0	<5.0	<0.075	<0.025	<0.025
95.54	1/25/06	9.05	86.49	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/10/06	9.90	85.64	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	9.78	85.76	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	9.96	85.58	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	9.47	86.07	NS	NS	NS	NS	NA	NS	. NS	NS	NS	NS
ECS-8	2/13/03	11.63	84.09								4		
95.72	9/8/05	10.35	85.08	<5.0	160	1,100	4,400	5,660	120	40	3.6	3.7	3.4
95.43	9/8/05D	NA .	NA	<5.0 <5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	1/25/06	NG	NA NA		<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
to the state of th	4/11/06	9.98	85.45	NS <5.0	NS	NS	NS	NA	NS	NS	NS	NS	NS
	7/20/06	10.28	85,15		<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	10/10/06	10.26	84.62	NS NS	NS	NS	NS	NA .	NS	NS	NS	NS	NS
	4/24/07	8.19	87.24	NS NO	NS	NS	NS	NA	NS	NS	NS	NS	NS
	7/4/01	0.13	81.24	NS	NS .	NS	NS	NA	NS	NS	NS	NS	NS

NOTES: Depth to water in feet from PVC.

ft = feet. µg/L = micrograms per liter. mg/L = millograms per liter. MCP Method 1 Standards as set forth by 310 CMR 40.0974(2). Shading indicates value or detection limit exceeds GW-2 standard. Bolding indicates value or detection limit exceeds GW-3 standard. D = Duplicate sample.

Elevation of PVC in feet.

NA = Not applicable/available.

97.02 = PVC elevations following well repairs on 8/29/05 & 9/1/05

Table 3 (3 of 3) Site Monitoring Data

Monitoring Well & Elevation (ft)	Sampling Date	Depth to Water (ft)	Ground- water Elevation (ft)	Benzene (µg/L)	Toluene (ug/L)	Ethyl- benzene (µg/L)	Xylenes (μg/L)	S BTEX (µg/L)	Naphthale ne (µg/L)	MtBE (µg/L)	C ₅ - C ₈ Aliphatics (mg/L)	C ₉ - C ₁₂ Aliphatics (mg/L)	C₂ - C₁₀ Aromatics (mg/L)
MCP Method 1 Standards		GW-2: GW-3:	2,000 10,000*	8,000* 4,000*	30,000 4,000	9,000° 500°	NA NA	1,000* 20,000*	50,000 50,000	1.0 4.0	1.0 20.0	5.0 4.0	
ECS-9	2/13/03	10.82	84.40	<5.0	<5.0	-50	05	or.	-50	40	0.540		
95.22	9/19/05	10.91				<5.0	85	85	<5.0	16	0.540	0.240	0.300
94.99			84.08	9.6	6.7	60.7	730	807	40.2	831	0.652	0.611	1.41
-	1/25/06	8.38	86.61	<10	12.7	57.9	568	639	26.6	1,090	0.660	0.429	1.11
	4/11/06	10.33	84.66	<25	<25	98.3	915	1013	47.3	3,970	1.73	0.770	1.53
	7/20/06	10.72	84.27	<25	<25	51.5	626	678	51.9	1,980	0.913	0.970	1.24
	10/10/06	11.12	83.87	NS .	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	10.31	84.68	<10	<10	28.5	336	365	28.8	1,370	0.356	0.522	0.949
	4/24/07	8.57	86.42	<5.0	5.3	12.6	145	163	15.1	1,540	<0.075	0.262	0.571
ECS-10	2/13/03	10.11	85.79	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.90	9/8/05	9.59	86.16	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
95.75	1/25/06	8.57	87.18	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	4/10/06	9.52	86.23	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
	7/20/06	9.42	86.33	NS	NS	NS	NS	NA	NS	NS I	NS		
	10/10/06	9.64	86.11	NS	NS	NS	NS	NA NA	NS NS	NS NS	NS NS	NS	NS
	4/24/07	8.53	87.22	NS	NS	NS	NS	NA NA	NS	NS	NS	NS NS	NS NS
ECS-11	1/25/06	0.29	97.49	10.0				40.0		40.5		·	
	4/10/06	9.28 10.94	87.42	18.0	<10	<10	<30	18.0	12.5	1,040	1,08	0.056	0.059
96.70		-	85.76	<5.0	<5.0	<5.0	<15	ND	<5.0	277	0.226	<0.025	0.029
	7/20/06	11.31	85.39	<5.0	<5.0	<5.0	<15	ND	<5.0	243	0.164	<0.025	0.025
	10/10/06	11.81	84.89	<5.0	<5.0	<5.0	<15	ND	<5.0	598	0.261	0.047	0.077
	1/25/07	10.98	85.72	<5.0	<5.0	<5.0	<15	ND	<5.0	359	0.133	<0.025	0.041
	4/24/07	9.35	87.35	5.8	5.1	<5.0	<15	10.9	<5.0	628	0.369	<0.025	0.026
ECS-12	1/25/06	8.64	87.51	47.0	54.0	1,960	9,690	11,751	399	<20	14.1	6.04	13.6
96.15	4/10/06	10.60	85.55	<10	37.3	86.6	437	561	98.9	20.9	5.94	6,69	12.9
	7/20/06	10.95	85.20	<10	32.4	19.9	59	111	53.9	14.7	3.38	4.39	6,60
	10/10/06	11.42	84.73	<10	33.7	53.0	270	357	69.3	32.2	2.72	3.07	6.17
	10/10/06D	NA	NA	<10	70.9	53.9	288	412	102	45.9	4.14	3.21	7.13
	1/25/07	12.55	83.60	<5.0	50	29.8	149.6	229	63.8	17.1	3.22	2.07	3.82
	1/25/07D	12.55	83.60	<25	40.3	30	147	217	64.5	<25.0	3.03	2.14	4.10
	4/24/07	8.83	87.32	<10	56.2	18.8	29.7	105	74.6	<10	3.95	1.20	4.31
	4/24/07D	8.83	87.32	<5.0	33.3	11.7	17.5	63	54.5	<5.0	2.06	1:46	2.88
ECS-13	1/25/06	NG	NA .	NS	NS	NS	NS	NA	Ne	NC .	NC	NC	
97.66	4/10/06	12.20	85.46	77.8	9,600	4,780	22,430	36,888	NS 566	NS 343	NS 28.0	NS Ecc	NS Ad S
	7/20/06	12.53	85.13	<5.0	9.2	223				342	28.9	5,66	11.0
	10/10/06	13.01	84.65		9.2 <5.0		753	985 ND	36.5	<5.0	0.727	0.454	0.809
	1/25/07		· · · · · · · · · · · · · · · · · · ·	<5.0		<5.0	<15	ND	<5.0	<5.0	<0.075	<0.025	<0.025
		12.18	85.48	<5.0	<5.0	<5.0	<15	<30	<5.0	36.3	<0.075	<0.025	<0.025
	4/24/07	10.51	87.15	<5.0	<5.0	<5.0	<15	<30	<5.0	<5.0	<0.075	<0.025	<0.025
ECS-14	4/10/06	10.00	86.25	<5.0	11.7	<5.0	<15	12	15.2	<5.0	1.22	0.278	0.328
96.25	7/20/06	10.31	85.94	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	10/10/06	10.79	85.46	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	1/25/07	9.87	86.38	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
	4/24/07	8.51	87.74	NS	NS	NS	NS	NA	NS	NS	NS	NS	NS
ECS-15	4/10/06	10.47	85.98	<5.0	<5.0	<5.0	<15	ND	<5.0	<5.0	0.307	<0.025	0.032
96.45	7/20/06	10.72	85.73	NS	NS	NS	NS	NA	NS	NS	NS	NS -	NS
	10/10/06	11.23	85.22	NS	NS	NS	NS	NA	NS	NS			
	1/25/07	10.37	86.08	NS	NS .	NS	NS				NS NC	NS :	NS
			·				140	NA	NS	NS	NS	NS	NS
i	4/24/07	8.93	87.52	NS	NS	NS	NS	NA I	NS [NS	NS .	NS	NS

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