Solutions-IES
Industrial & Environmental Services

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June 30, 2014

Mr. Kim Caulk, P.G.
Inactive Hazardous Sites Branch – REC Program
NCDENR Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: **July 2014 Quarterly Status Report (1st Remedial Action Progress Report for Groundwater)**
**Eaton Corporation Former Facility**
**1100 East Preston Street**
**Selma, NC**
**NCDENR Site ID No. NONCD 0002853**
**Solutions-IES Project No. 2013.0014.EATN**

Dear Mr. Caulk,

Solutions-IES, Inc. (SIES), on behalf of Eaton Corporation (Eaton), has prepared this Quarterly Status Report for the former Eaton facility located at 1100 East Preston Street in Selma, NC. This site was accepted into the Registered Environmental Consultant (REC) program on February 10, 2009. The Remedial Investigation Work Plan (RI WP) dated February 17, 2009, was certified by the Registered Site Manager (RSM) and submitted to NCDENR. Two RI WP amendments were subsequently submitted dated June 25, 2010, and January 4, 2011. The RI Report dated February 8, 2012, was certified by the RSM on February 9, 2012. The Groundwater Remedial Action Plan (RAP) dated June 3, 2013, was certified complete by the RSM on August 13, 2013. The Pre-Construction Report dated September 16, 2013, was certified complete by the RSM on September 17, 2013. Construction Completion Report No. 1 dated January 2014, described injection into one-half of the injection network (Phase 1). The report was certified by the RSM on January 15, 2014. Construction Completion Report No. 2 dated April 2014, described injection into the second half of the injection network (Phase 2) and included the Construction Completion Certification Work Phase Completion Form (WPC-V) for the site, was certified by the RSM on April 9, 2014. Therefore, this quarterly summary represents the first remedial action progress report for groundwater for the site.

SIES performed the Phase 1 3-month post-injection sampling in January 2014, followed by the Phase 1 6-month/Phase 2 3-month post-injection sampling in April 2014. Bioaugmentation using BAC-9™ was performed in May 2014.

During the sampling events in January and April 2014, nine monitoring wells were sampled. Water levels were first measured using an electronic water level indicator. Each well was then purged using a peristaltic pump. Purging continued at a low flow rate until the field parameters of pH (± 0.1 standard unit), specific conductivity (± 5%), and turbidity (< 10 nephelometric turbidity units) stabilized. Measurements of temperature, dissolved oxygen (DO), and oxidation-reduction potential (ORP) were also recorded.

Groundwater samples were collected directly into laboratory-supplied glassware, packaged, placed on ice in coolers, and delivered under chain-of-custody procedures to Prism Laboratories, Inc. (Prism), a certified North Carolina analytical laboratory for analysis of volatile organic compounds (VOCs) by EPA Method 8260B. A subset of four monitoring wells during the January 2014 event and all nine wells during the April 2014 event was also sampled for natural attenuation parameters including nitrate and sulfate by Method 9056A, ferrous iron by SM3500-Fe D, total iron and manganese by EPA Method 6010, methane, ethane, ethene (MEE) by RSK 175, total organic carbon (TOC) by SM 5310B, and alkalinity by SM2320B. Subsets consisting of two monitoring wells during the January 2014 event and five monitoring wells during the April 2014 event were also sampled for volatile fatty acids (VFAs) by Microseeps in Pittsburgh, PA. A subset of four monitoring wells during the April 2014 event was also sampled for molecular biological tools (MBTs) by Microbial Insights in Knoxville, TN.

Field quality assurance (QA) and quality control (QC) consisted of cross-contamination source reduction, including the use of new gloves at each monitoring well, the use of disposable sampling equipment, and proper decontamination of non-disposable sampling equipment using non-phosphate detergent and rinses.

As part of the laboratory QA/QC for both sampling events, one duplicate sample and trip blanks (one per each cooler used to store/transport site-specific samples designated for aqueous VOC analysis) were submitted for analysis of VOCs. The duplicate sample results correlated with the groundwater samples from the well it was collected from (MW-2). No constituents were detected above the laboratory method detection limit (MDL) in the trip blank samples.

In May 2014, SIES completed a bioaugmentation event at the site using BAC-9™ culture. A total of 60 liters (L) of BAC-9 was distributed throughout portions of the Phase 1 and Phase 2 injection zones.

**Figures 1 and 2** depicting the monitoring well and injection well locations are provided in **Attachment 1**. Data tables are provided in **Attachment 2**. Graphs depicting chlorinated volatile organic compound (CVOC) concentrations over time in select monitoring wells are included in **Attachment 3**.

As shown in **Tables 6** and **7**, the addition of the colloidal buffer CoBupH-Mg was successful in raising the pH of the aquifer as monitored in the injection wells approximately 90 days post-injection.

The groundwater data indicate that the addition of emulsified vegetable oil (EVO) has contributed to degradation of tetrachloroethene (PCE) and trichloroethene (TCE) into daughter products *cis*-1,2-dichloroethene (*cis*-1,2-DCE) and vinyl chloride (VC) in the Phase 1 injection area (see graphs for MW-2 and MW-16). The impact of EVO addition to the Phase 2 injection area currently shows mixed results, with some degradation observed in MW-8, but not MW-4 or MW-18 (see attached graphs). The pH in MW-4 and MW-18 appears to still be below optimal (6 Standard Units [SU]) for *Dehalococcoides sp.*, and may be limiting the enhancement of degradation of CVOCs. Despite this, implementation of *in situ* bioremediation has thus far been effective in reducing PCE and TCE concentrations in the much of the aquifer where the colloidal buffer and EVO were injected.

Contaminant concentrations in compliance monitoring wells outside of the injection zone remained relatively stable compared with historic sampling events, with a few exceptions (MW-1, MW-5, MW-7, and MW-9). Contaminant concentrations in these wells, as well as all compliance wells, will continue to be evaluated.

The next sampling event (Phase 1 9-month post-injection/Phase 2 6-month post-injection) is scheduled for the end of July 2014. The results of this sampling event will be submitted with the next remedial action progress report that will be submitted by October 8, 2014.

Work is progressing in a manner to achieve the mandatory work phase completion deadlines specified in the Administrative Agreement and 15A NCAC 13C .0302(h).

If you have any questions or need any additional information, please feel free to contact me at (919) 873-1060.

Yours truly,
**Solutions-IES, Inc.**

Jody Overmyer, P.E., PMP
Project Manager

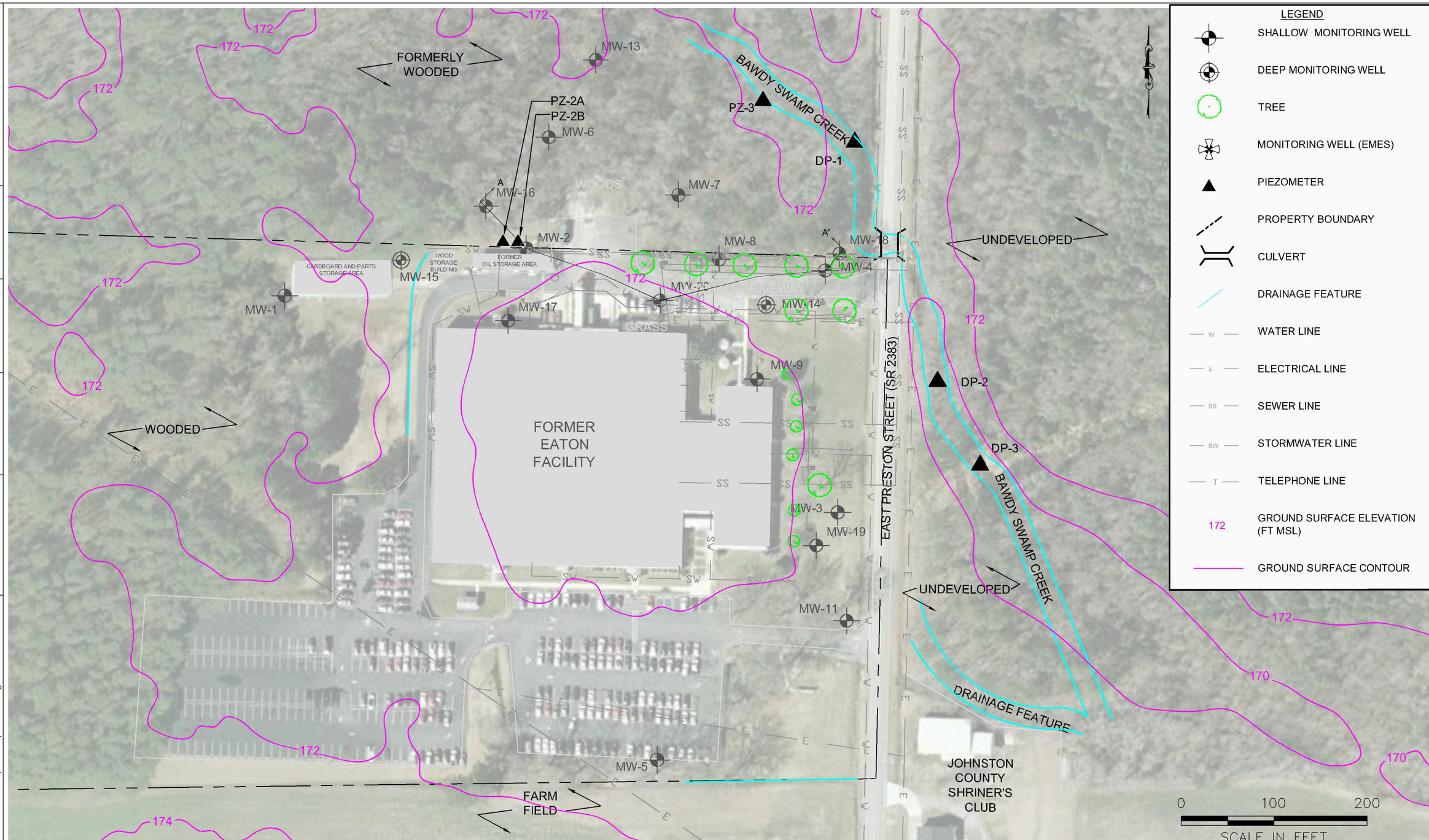
Attachment 1 – Figures
Attachment 2 – Data Tables
Attachment 3 – Contaminant Concentration Graphs
Attachment 4 – Certification Statements

cc: Ms. Karen Souza, P.G., Allegheny Environmental Services, Inc.
Mr. Jeffery P. Allen, P.G, Eaton Corporation
Mr. Bill Sharek, Johnston County Industries

# ATTACHMENT 1

## FIGURES

PROJECT NUMBER 2013.0014.EATON
DRAFTER KTS
CHECKED BY JLO
PROJECT MANAGER JLO
DATE 1/6/2014
FILE Construction Completion Report No. 1.dwg

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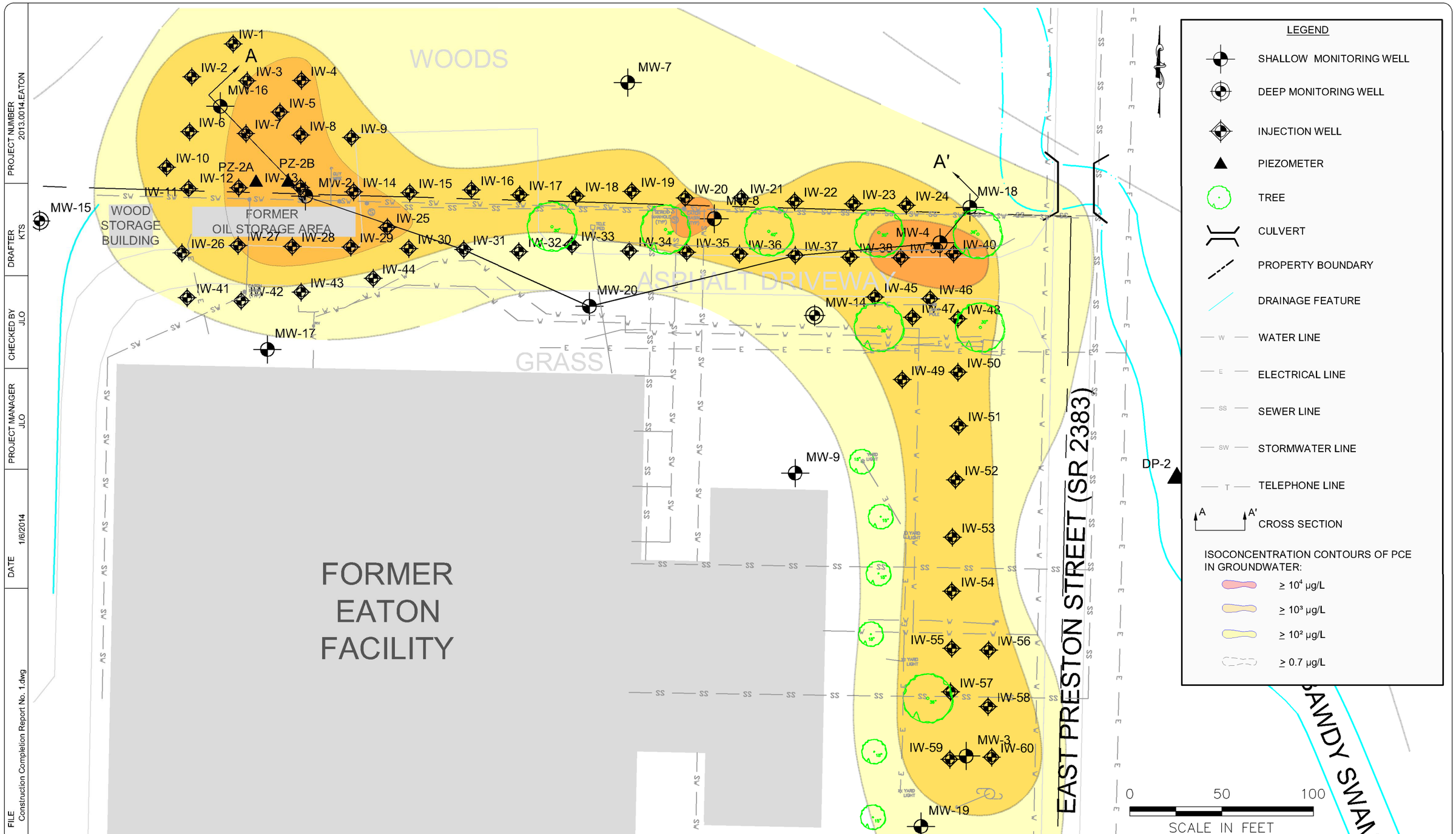
NOTES:
1) BASEMAP OBTAINED FROM JIMMY BARBOUR SURVEYING, PA, APRIL 2008 .
2) WELL LOCATIONS ARE BASED ON SURVEY DATA PROVIDED BY KCI ASSOCIATES OF N.C. JUNE 2008, JULY 2010, & OCTOBER 2013.
3) GROUND SURFACE CONTOUR LINES FROM JOHNSTON COUNTY GIS, 2011.

FORMER EATON FACILITY
1100 EAST PRESTON STREET
SELMA, JOHNSTON COUNTY, NC

SITE MAP

FIGURE: 1

J:\Project Files\Eaton Corporation\Eaton Selma\CAD\Current Drawings\Remedial Action\Construction Completion Report No. 1.dwg

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NOTES:
1) BASEMAP OBTAINED FROM JIMMY BARBOUR SURVEYING, PA, APRIL 2008 .
2) WELL LOCATIONS ARE BASED ON SURVEY DATA PROVIDED BY KCI ASSOCIATES OF N.C. JUNE 2008, JULY 2010, & OCTOBER 2013.
3) INJECTION WELLS ARE IDENTIFIED BY A NUMBER AND ARE LABELED IW-1A/1B, IW-2A/2B, ETC.

FORMER EATON FACILITY
1100 EAST PRESTON STREET
SELMA, JOHNSTON COUNTY, NC

INJECTION WELL LAYOUT

FIGURE: 2

# ATTACHMENT 2

## DATA TABLES

**TABLE 1**
**SUMMARY OF GROUNDWATER ELEVATION DATA**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well or Piezometer ID | Ground Surface Elevation (ft msl) | Top of Casing (ft msl) | Screened Interval (ft bgs) | Date | Depth-to-Water (ft btoc) | Groundwater Elevation (ft msl) | Depth-to-Water (ft bgs) |
|---|---|---|---|---|---|---|---|
| **Shallow Monitoring Wells** | | | | | | | |
| MW-1 | 172.63 | 172.00 | 15 - 20 | 6/18/2008 | 6.61 | 165.39 | 7.24 |
| | | | | 7/16/2008 | 6.60 | 165.40 | 7.23 |
| | | | | 4/8/2009 | 1.68 | 170.32 | 2.31 |
| | | | | 4/22/2009 | 1.38 | 170.62 | 2.01 |
| | | | | 7/28/2010 | 8.53 | 163.47 | 9.16 |
| | | | | 6/27/2011 | 8.58 | 163.42 | 9.21 |
| | | | | 4/27/2012 | 5.65 | 166.35 | 6.28 |
| | | | | 10/30/2012 | 10.18 | 161.82 | 10.81 |
| | | | | 1/31/2013 | 7.73 | 164.27 | 8.36 |
| | | | | 10/1/2013 | 7.32 | 164.68 | 7.95 |
| | | | | 1/15/2014 | 1.58 | 170.42 | 2.21 |
| | | | | 4/28/2014 | 1.89 | 170.11 | 2.52 |
| MW-2 | 171.37 | 171.21 | 25 - 30 | 6/18/2008 | 5.68 | 165.53 | 5.84 |
| | | | | 7/16/2008 | 5.65 | 165.56 | 5.81 |
| | | | | 4/8/2009 | 0.98 | 170.23 | 1.14 |
| | | | | 4/22/2009 | 1.67 | 169.54 | 1.83 |
| | | | | 7/28/2010 | 7.45 | 163.76 | 7.61 |
| | | | | 6/27/2011 | 7.59 | 163.62 | 7.75 |
| | | | | 4/27/2012 | 4.60 | 166.61 | 4.76 |
| | | | | 10/30/2012 | 9.21 | 162.00 | 9.37 |
| | | | | 1/31/2013 | 6.59 | 164.62 | 6.75 |
| | | | | 10/1/2013 | 6.33 | 164.88 | 6.49 |
| | | | | 1/15/2014 | 0.90 | 170.31 | 1.06 |
| | | | | 4/28/2014 | 1.17 | 170.04 | 1.33 |
| MW-3 | 171.29 | 171.13 | 15 - 20 | 6/18/2008 | 5.14 | 165.99 | 5.30 |
| | | | | 7/16/2008 | 4.91 | 166.22 | 5.07 |
| | | | | 4/8/2009 | 1.01 | 170.12 | 1.17 |
| | | | | 4/22/2009 | 1.58 | 169.55 | 1.74 |
| | | | | 7/28/2010 | 7.15 | 163.98 | 7.31 |
| | | | | 6/27/2011 | 7.43 | 163.70 | 7.59 |
| | | | | 4/27/2012 | 4.43 | 166.70 | 4.59 |
| | | | | 10/30/2012 | 9.20 | 161.93 | 9.36 |
| | | | | 1/31/2013 | 6.17 | 164.96 | 6.33 |
| | | | | 10/1/2013 | 6.11 | 165.02 | 6.27 |
| | | | | 1/15/2014 | 1.05 | 170.08 | 1.21 |
| | | | | 4/28/2014 | 1.49 | 169.64 | 1.65 |
| MW-4 | 171.73 | 171.56 | 15 - 20 | 6/18/2008 | 5.84 | 165.72 | 6.01 |
| | | | | 7/16/2008 | 5.88 | 165.68 | 6.05 |
| | | | | 4/8/2009 | 1.31 | 170.25 | 1.48 |
| | | | | 4/22/2009 | 2.02 | 169.54 | 2.19 |
| | | | | 7/28/2010 | 7.66 | 163.90 | 7.83 |
| | | | | 6/27/2011 | 7.82 | 163.74 | 7.99 |
| | | | | 4/27/2012 | 4.78 | 166.78 | 4.95 |
| | | | | 10/30/2012 | 9.48 | 162.08 | 9.65 |
| | | | | 1/31/2013 | 6.62 | 164.94 | 6.79 |
| | | | | 10/1/2013 | 6.51 | 165.05 | 6.68 |
| | | | | 1/15/2014 | 1.30 | 170.26 | 1.47 |
| | | | | 4/28/2014 | 1.69 | 169.87 | 1.86 |

**TABLE 1**
**SUMMARY OF GROUNDWATER ELEVATION DATA**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well or Piezometer ID | Ground Surface Elevation (ft msl) | Top of Casing (ft msl) | Screened Interval (ft bgs) | Date | Depth-to-Water (ft btoc) | Groundwater Elevation (ft msl) | Depth-to-Water (ft bgs) |
|---|---|---|---|---|---|---|---|
| MW-5 | 171.05 | 170.42 | 15 - 20 | 6/18/2008 | 4.47 | 165.95 | 5.10 |
| | | | | 7/16/2008 | 4.02 | 166.40 | 4.65 |
| | | | | 4/8/2009 | 0.4 | 170.02 | 1.03 |
| | | | | 4/22/2009 | 1.06 | 169.36 | 1.69 |
| | | | | 7/28/2010 | 6.57 | 163.85 | 7.20 |
| | | | | 6/27/2011 | 6.93 | 163.49 | 7.56 |
| | | | | 4/27/2012 | 4.52 | 165.90 | 5.15 |
| | | | | 10/30/2012 | 8.75 | 161.67 | 9.38 |
| | | | | 1/31/2013 | 4.86 | 165.56 | 5.49 |
| | | | | 10/1/2013 | 5.59 | 164.83 | 6.22 |
| | | | | 1/15/2014 | Above TOC | -- | -- |
| | | | | 4/28/2014 | 0.7 | 169.72 | 1.33 |
| MW-6 | 171.06 | 173.88 | 20-30 | 7/28/2010 | 10.13 | 163.75 | 7.31 |
| | | | | 6/27/2011 | 10.26 | 163.62 | 7.44 |
| | | | | 4/27/2012 | 7.34 | 166.54 | 4.52 |
| | | | | 10/30/2012 | 11.85 | 162.03 | 9.03 |
| | | | | 1/31/2013 | 9.25 | 164.63 | 6.43 |
| | | | | 10/1/2013 | NL | -- | -- |
| | | | | 1/15/2014 | 3.62 | 170.26 | 0.80 |
| MW-7 | 171.57 | 174.68 | 20-30 | 7/28/2010 | 10.78 | 163.90 | 7.67 |
| | | | | 6/27/2011 | 10.94 | 163.74 | 7.83 |
| | | | | 4/27/2012 | 8.00 | 166.68 | 4.89 |
| | | | | 10/30/2012 | 12.53 | 162.15 | 9.42 |
| | | | | 1/31/2013 | 9.86 | 164.82 | 6.75 |
| | | | | 10/1/2013 | NL | -- | -- |
| | | | | 1/15/2014 | 4.37 | 170.31 | 1.26 |
| | | | | 4/28/2014 | 4.66 | 170.02 | 1.55 |
| MW-8 | 171.28 | 171.08 | 20-30 | 7/28/2010 | 7.23 | 163.85 | 7.43 |
| | | | | 6/27/2011 | 7.36 | 163.72 | 7.56 |
| | | | | 4/27/2012 | 4.34 | 166.74 | 4.54 |
| | | | | 10/30/2012 | 8.99 | 162.09 | 9.19 |
| | | | | 1/31/2013 | 6.27 | 164.81 | 6.47 |
| | | | | 10/1/2013 | NL | -- | -- |
| | | | | 1/15/2014 | 0.82 | 170.26 | 1.02 |
| | | | | 4/28/2014 | 1.14 | 169.94 | 1.34 |
| MW-9 | 173.01 | 172.66 | 28-38 | 7/28/2010 | 9.05 | 163.61 | 9.40 |
| | | | | 6/27/2011 | 9.03 | 163.63 | 9.38 |
| | | | | 4/27/2012 | NL | -- | -- |
| | | | | 10/30/2012 | 10.72 | 161.94 | 11.07 |
| | | | | 1/31/2013 | 8.88 | 163.78 | 9.23 |
| | | | | 10/1/2013 | 7.03 | 165.63 | 7.38 |
| | | | | 1/15/2014 | 2.55 | 170.11 | 2.90 |
| | | | | 4/28/2014 | 2.84 | 169.82 | 3.19 |
| MW-11 | 170.54 | 170.25 | 25-35 | 7/28/2010 | 6.35 | 163.90 | 6.64 |
| | | | | 6/27/2011 | 6.62 | 163.63 | 6.91 |
| | | | | 4/27/2012 | 3.70 | 166.55 | 3.99 |
| | | | | 10/30/2012 | 8.45 | 161.80 | 8.74 |
| | | | | 1/31/2013 | 5.49 | 164.76 | 5.78 |
| | | | | 10/1/2013 | 5.37 | 164.88 | 5.66 |
| | | | | 1/15/2014 | 0.26 | 169.99 | 0.55 |
| | | | | 4/28/2014 | 0.70 | 169.55 | 0.99 |

**TABLE 1**
**SUMMARY OF GROUNDWATER ELEVATION DATA**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well or Piezometer ID | Ground Surface Elevation (ft msl) | Top of Casing (ft msl) | Screened Interval (ft bgs) | Date | Depth-to-Water (ft btoc) | Groundwater Elevation (ft msl) | Depth-to-Water (ft bgs) |
|---|---|---|---|---|---|---|---|
| MW-13 | 171.49 | 173.94 | 21-31 | 6/27/2011 | 10.32 | 163.62 | 7.87 |
| | | | | 4/27/2012 | 7.40 | 166.54 | 4.95 |
| | | | | 1/31/2013 | 9.26 | 164.68 | 6.81 |
| | | | | 10/1/2013 | 9.06 | 164.88 | 6.61 |
| | | | | 1/15/2014 | 3.75 | 170.19 | 1.30 |
| | | | | 4/28/2014 | 4.04 | 169.90 | 1.59 |
| MW-16 | 171.71 | 174.78 | 15-25 | 10/1/2013 | 9.90 | 164.88 | 6.83 |
| | | | | 1/15/2014 | 4.47 | 170.31 | 1.40 |
| | | | | 4/28/2014 | 4.75 | 170.03 | 1.68 |
| MW-17 | 172.41 | 172.19 | 15-25 | 10/1/2013 | 7.37 | 164.82 | 7.59 |
| | | | | 1/15/2014 | 1.94 | 170.25 | 2.16 |
| | | | | 4/28/2014 | 2.24 | 169.95 | 2.46 |
| MW-18 | 172.01 | 171.43 | 15-25 | 10/1/2013 | 6.36 | 165.07 | 6.94 |
| | | | | 1/15/2014 | 1.12 | 170.31 | 1.70 |
| | | | | 4/28/2014 | 1.52 | 169.91 | 2.10 |
| MW-19 | 171.39 | 171.19 | 15-25 | 10/1/2013 | 6.22 | 164.97 | 6.42 |
| | | | | 1/15/2014 | 1.10 | 170.09 | 1.30 |
| | | | | 4/28/2014 | 1.55 | 169.64 | 1.75 |
| MW-20 | 172.32 | 172.10 | 15-25 | 10/1/2013 | 7.12 | 164.98 | 7.34 |
| | | | | 1/15/2014 | 1.86 | 170.24 | 2.08 |
| | | | | 4/28/2014 | 2.15 | 169.95 | 2.37 |
| **Deep Monitoring Wells** | | | | | | | |
| MW-14 | 171.71 | 171.45 | 47-57 | 6/27/2011 | 7.53 | 163.92 | 7.79 |
| | | | | 4/27/2012 | 4.56 | 166.89 | 4.82 |
| | | | | 10/30/2012 | 9.22 | 162.23 | 9.48 |
| | | | | 1/31/2013 | 6.39 | 165.06 | 6.65 |
| | | | | 10/1/2013 | 5.80 | 165.65 | 6.06 |
| | | | | 1/15/2014 | 3.81 | 167.64 | 4.07 |
| | | | | 4/28/2014 | 0.75 | 170.70 | 1.01 |
| MW-15 | 171.69 | 171.49 | 46-56 | 6/27/2011 | 8.00 | 163.49 | 8.20 |
| | | | | 4/27/2012 | 5.19 | 166.30 | 5.39 |
| | | | | 10/30/2012 | 9.47 | 162.02 | 9.67 |
| | | | | 1/31/2013 | 7.16 | 164.33 | 7.36 |
| | | | | 10/1/2013 | 6.77 | 164.72 | 6.97 |
| | | | | 1/15/2014 | 2.12 | 169.37 | 2.32 |
| | | | | 4/28/2014 | 1.70 | 169.79 | 1.90 |
| **Piezometers** | | | | | | | |
| DP-1 | 167.61 | 171.01 | 4-5 | 7/28/2010 | DRY | <162.61 | -- |
| | | | | 6/27/2011 | DRY | <162.61 | -- |
| | | | | 4/27/2012 | 2.95 | 168.06 | -0.45 |
| | | | | 10/30/2012 | 2.95 | 168.06 | -0.45 |
| | | | | 1/31/2013 | 4.53 | 166.48 | 1.13 |
| | | | | 10/1/2013 | 2.96 | 168.05 | -0.44 |
| | | | | 1/15/2014 | 2.46 | 168.55 | -0.94 |
| | | | | 4/28/2014 | 1.47 | 169.54 | -1.93 |

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**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well or Piezometer ID | Ground Surface Elevation (ft msl) | Top of Casing (ft msl) | Screened Interval (ft bgs) | Date | Depth-to-Water (ft btoc) | Groundwater Elevation (ft msl) | Depth-to-Water (ft bgs) |
|---|---|---|---|---|---|---|---|
| DP-2 | 167.34 | 170.59 | 4-5 | 7/28/2010 | DRY | <162.34 | -- |
| | | | | 6/27/2011 | DRY | <162.34 | -- |
| | | | | 4/27/2012 | 2.93 | 167.66 | -0.32 |
| | | | | 10/30/2012 | 2.82 | 167.77 | -0.43 |
| | | | | 1/31/2013 | 2.93 | 167.66 | -0.32 |
| | | | | 10/1/2013 | 2.49 | 168.10 | -0.76 |
| | | | | 1/15/2014 | 2.49 | 168.10 | -0.76 |
| | | | | 4/28/2014 | 2.35 | 168.24 | -0.90 |
| DP-3 | 167.21 | 170.51 | 4-5 | 7/28/2010 | DRY | <162.21 | -- |
| | | | | 6/27/2011 | DRY | <162.21 | -- |
| | | | | 4/27/2012 | 2.50 | 168.01 | -0.80 |
| | | | | 10/30/2012 | 2.94 | 167.57 | -0.36 |
| | | | | 1/31/2013 | 3.56 | 166.95 | 0.26 |
| | | | | 10/1/2013 | 0.50 | 170.01 | -2.80 |
| | | | | 1/15/2014 | 0.95 | 169.56 | -2.35 |
| | | | | 4/28/2014 | 0.35 | 170.16 | -2.95 |
| PZ-2A[1] | NS | 172.84 | 13.5-14.5 | 4/22/2009 | 2.69 | 170.15 | -- |
| | | | | 6/27/2011 | 9.14 | 163.70 | -- |
| | | | | 10/30/2012 | 10.62 | 162.22 | -- |
| | | | | 1/31/2013 | 8.07 | 164.77 | -- |
| | | | | 10/1/2013 | 6.08 | 166.76 | -- |
| | | | | 1/15/2014 | 1.59 | 171.25 | -- |
| | | | | 4/28/2014 | 1.13 | 171.71 | -- |
| PZ-2B[1] | NS | 172.81 | 5.5-6.5 | 4/22/2009 | 4.75 | 168.06 | -- |
| | | | | 6/27/2011 | DRY | DRY | -- |
| | | | | 10/1/2013 | 2.55 | 170.26 | -- |
| | | | | 1/15/2014 | 0.60 | 172.21 | -- |
| | | | | 4/28/2014 | 0.48 | 172.33 | -- |
| PZ-3[1] | NS | 170.01 | 7.5-8.5 | 4/22/2009 | 0.64 | 169.37 | -- |
| | | | | 6/27/2011 | 1.0 | 169.01 | -- |
| | | | | 10/1/2013 | 4.40 | 165.61 | -- |
| | | | | 1/15/2014 | Above TOC | >170.01 | -- |
| | | | | 4/28/2014 | 0.05 | 169.96 | -- |

Notes:
ft msl = feet mean sea level (NAVD 1988)
ft bgs = feet below ground surface
ft btoc = feet below top of casing
-- = Not calculated
NL = Well not located
1. Piezometer elevations were measured from nearby monitoring wells and are approximate.
NS = Not surveyed

**TABLE 2**
**SUMMARY OF FIELD PARAMETERS IN PERMANENT MONITORING WELLS**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well ID | Date Sampled | Days Post Injection | pH (SU) | Specific Conductance (µS/cm) | Temperature (°C) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|---|
| **Phase 1 Injection Shallow Monitoring Wells** | | | | | | | | |
| MW-2 | 6/18/2008 | -- | 5.6 | 177 | 23.4 | 32 | 46 | NM |
| | 4/7/2012 | -- | 6.4 | 139 | 16.5 | 31 | NM | NM |
| | 7/28/2010 | -- | 6.0 | 94 | 29.2 | 7 | 61 | 0.3 |
| | 10/2/2013 | -- | 5.4 | 76 | 20.0 | 33 | 42 | 0.2 |
| | 10/31/2013 | INJECTION | | | | | | |
| | 1/16/2014 | 77 | 5.3 | 886 | 11.5 | 33 | -479 | 0.2 |
| | 4/28/2014 | 179 | 5.7 | 1,276 | 18.5 | 12 | -42 | 0.2 |
| MW-16 | 10/2/2013 | -- | 4.5 | 1,262 | 17.7 | 8 | 117 | 0.2 |
| | 10/31/2013 | INJECTION | | | | | | |
| | 1/16/2014 | 77 | 5.8 | 723 | 13.0 | 5 | -81 | 0.3 |
| | 4/28/2014 | 179 | 6.0 | 1,019 | 16.7 | 5 | -21 | 0.3 |
| **Phase 2 Injection Shallow Monitoring Wells** | | | | | | | | |
| MW-3 | 6/18/2008 | -- | 3.6 | 1,287 | 19.5 | 11 | 205 | NM |
| | 7/29/2010 | -- | 3.2 | 4,506 | 20.8 | 4 | 192 | 0.9 |
| | 10/2/2013 | -- | 3.5 | 4,146 | 21.6 | 6 | 285 | 0.2 |
| | 2/14/2014 | INJECTION | | | | | | |
| MW-4 | 6/18/2008 | -- | 3.9 | 1,201 | 19.4 | 20 | 168 | NM |
| | 7/28/2010 | -- | 3.5 | 2,881 | 19.2 | 19 | 214 | 0.7 |
| | 10/30/2012 | -- | 3.5 | 3,420 | 18.6 | 2 | 413 | 3.0 |
| | 1/31/2013 | -- | 3.6 | 4,297 | 16.7 | 5 | 401 | 0.6 |
| | 10/2/2013 | -- | 3.2 | 4,246 | 19.7 | 4 | 202 | 0.5 |
| | 1/15/2014 | -- | 3.5 | 4,536 | 16.3 | 41 | 405 | 0.7 |
| | 2/14/2014 | INJECTION | | | | | | |
| | 4/28/2014 | 73 | 4.3 | 4,026 | 15.3 | 8 | 186 | 0.5 |
| MW-8 | 7/28/2010 | -- | 5.6 | 160 | 20.7 | 20 | 121 | 0.3 |
| | 10/30/2012 | -- | 3.9 | 416 | 17.7 | 14 | 305 | 2.0 |
| | 1/31/2013 | -- | 4.0 | 1,418 | 15.6 | 12 | 352 | 0.6 |
| | 10/2/2013 | -- | 4.2 | 1,170 | 19.8 | 7 | 122 | 0.2 |
| | 1/15/2014 | -- | 4.2 | 1,316 | 16.2 | 50 | 366 | 0.5 |
| | 2/14/2014 | INJECTION | | | | | | |
| | 4/29/2014 | 74 | 5.6 | 613 | 16.0 | 658 | -58 | 0.2 |
| MW-18 | 10/2/2013 | -- | 3.3 | 3,323 | 19.9 | 5 | 201 | 0.9 |
| | 1/15/2014 | -- | 3.6 | 4,085 | 14.9 | 7 | 398 | 0.9 |
| | 2/14/2014 | INJECTION | | | | | | |
| | 4/28/2014 | 73 | 4.1 | 3,846 | 15.9 | 67 | 215 | 0.5 |
| **Compliance Shallow Monitoring Wells** | | | | | | | | |
| MW-1 | 6/18/2008 | -- | 5.0 | 126 | 19.3 | 44 | 81 | NM |
| | 7/29/2010 | -- | 3.8 | 39 | 21.3 | 8 | 79 | 1.0 |
| | 10/2/2013 | -- | 5.0 | 80 | 19.6 | 0.5 | 200 | 0.2 |
| MW-5 | 6/18/2008 | -- | 6.5 | 231 | 19.2 | 11 | 165 | NM |
| | 7/29/2010 | -- | 10.3 | 254 | 21.1 | 171 | 29 | 2.8 |
| | 10/2/2013 | -- | 12.2 | 3,107 | 20.6 | 33 | -55 | 2.5 |
| MW-6 | 7/28/2010 | -- | 6.1 | 123 | 21.9 | 107 | 79 | 0.2 |
| MW-7 | 7/28/2010 | -- | 6.1 | 179 | 20.5 | 27 | 46 | 0.4 |
| | 1/16/2014 | -- | 5.1 | 234 | 12.4 | 2 | 67 | 2.1 |
| | 4/29/2014 | -- | 5.1 | 337 | 15.0 | 9 | 127 | 0.9 |

**TABLE 2**
**SUMMARY OF FIELD PARAMETERS IN PERMANENT MONITORING WELLS**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well ID | Date Sampled | Days Post Injection | pH (SU) | Specific Conductance (µS/cm) | Temperature (°C) | Turbidity (NTU) | Oxidation-Reduction Potential (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|---|
| MW-9 | 7/28/2010 | -- | 5.0 | 72 | 22.5 | 84 | 10 | 0.5 |
| | 10/1/2013 | -- | 4.8 | 61 | 20.0 | 62 | 28 | 0.2 |
| | 1/15/2014 | -- | 5.4 | 98 | 16.3 | 194 | -21 | 0.6 |
| | 4/29/2014 | -- | 5.8 | 136 | 17.1 | 8 | -1 | 0.3 |
| MW-11 | 7/29/2010 | -- | 6.4 | 278 | 23.1 | 84 | 40 | 0.2 |
| | 10/2/2013 | -- | 6.1 | 141 | 23.3 | 29 | 42 | 0.2 |
| MW-13 | 6/27/2011 | -- | 6.0 | 132 | 20.1 | 88 | -94 | 0.4 |
| | 10/1/2013 | -- | 4.5 | 61 | 17.9 | 15 | 57 | 1.0 |
| MW-17 | 10/2/2013 | -- | 4.4 | 1,256 | 21.0 | 9 | 269 | 0.7 |
| MW-19 | 10/2/2013 | -- | 3.6 | 4,270 | 19.9 | 9 | 315 | 0.4 |
| | 1/15/2017 | -- | 3.6 | 4,286 | 14.9 | 26 | 138 | 0.5 |
| | 4/28/2014 | -- | 4.0 | 1,108 | 17.5 | 31 | 193 | 0.4 |
| MW-20 | 10/1/2013 | -- | 4.0 | 1,853 | 23.0 | 4 | 220 | 0.3 |
| | 1/16/2014 | -- | 4.1 | 1,633 | 14.9 | 7 | 391 | 0.4 |
| | 4/29/2014 | -- | 5.4 | 1,102 | 16.7 | 20 | -32 | 0.3 |
| **Compliance Deep Monitoring Wells** | | | | | | | | |
| MW-14 | 6/27/2011 | -- | 6.5 | 238 | 23.2 | 240 | 71 | 0.5 |
| | 10/1/2013 | -- | 9.5 | 403 | 22.4 | 9 | -7 | 0.1 |
| MW-15 | 6/27/2011 | -- | 11.0 | 622 | 22.7 | 12 | -68 | 0.2 |
| | 10/2/2013 | -- | 7.3 | 259 | 23.4 | 16 | -121 | 0.3 |

Notes:
SU = Standard Units
µS/cm = MicroSiemens per centimeter
°C = Degrees Celsius
NTU = Nephelometric Turbidity Units
mV = Millivolts
mg/L = milligrams per liter
NM = not measured

**TABLE 3**
**SUMMARY OF NATURAL ATTENUATION PARAMETERS**
**FORMER EATON CORPORATION FACILITY**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Well ID | Date | Days Post Injection | Methane (µg/L) | Ethane (µg/L) | Ethene (µg/L) | Sulfate (mg/L) | Sulfide (mg/L) | Nitrate-N (mg/L) | Fe2+ (mg/L) | Iron (mg/L) | Magnesium (mg/L) | TOC (mg/L) | Alkalinity (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NC 2L Standard** | | | **NE** | **NE** | **NE** | **250** | **NE** | **10** | **NE** | **0.3** | **NE** | **NE** | **NE** |
| **Phase 1 Injection Shallow Monitoring Wells** | | | | | | | | | | | | | |
| MW-2 | 10/2/2013 | -- | **0.818 J** | <0.087 | **0.525 J** | **2.7** | NA | **0.66** | **0.44** | **1.3** | **0.80** | **0.33 J** | **21** |
| | 10/31/2013 | INJECTION | | | | | | | | | | | |
| | 1/16/2014 | 77 | **7.26** | **1.88** | **0.535 J** | <0.13 | NA | <0.016 | **100** | **91** | **18** | **261** | **350** |
| | 4/28/2014 | 179 | **1,110** | **2.27** | **0.795 J** | <0.13 | <0.45 | **0.17** | **220** | **220** | **22** | **731** | **450** |
| MW-16 | 10/2/2013 | -- | **7.6** | **0.113 J** | **0.235 J** | **610** | NA | **7.9** | <0.020 | **0.24** | **33** | **4.2** | <0.59 |
| | 10/31/2013 | INJECTION | | | | | | | | | | | |
| | 1/16/2014 | 77 | **1.97 J** | **0.269 J** | **0.241 J** | **2.50** | NA | <0.016 | **64** | **62** | **13** | **244** | **240** |
| | 4/28/2014 | 179 | **12.4** | **0.212 J** | **0.493 J** | **1.6** | <0.45 | **0.27** | **110** | **120** | **20** | **289** | **460** |
| **Phase 2 Injection Shallow Monitoring Wells** | | | | | | | | | | | | | |
| MW-3 | 10/2/2013 | -- | **27.9** | <0.087 | <0.071 | **3,100** | NA | **38** | <0.020 | **0.33** | **67** | **7.7** | <0.59 |
| | 2/14/2014 | INJECTION | | | | | | | | | | | |
| MW-4 | 10/2/2013 | -- | **7.78** | <0.087 | <0.071 | **3,600** | NA | **30** | <0.020 | **0.12** | **93** | **14.5** | <0.59 |
| | 2/14/2014 | INJECTION | | | | | | | | | | | |
| | 4/28/2014 | 73 | **7.08** | <0.087 | <0.071 | **3,300** | <0.45 | **9.1** | <0.039 | **0.21** | **95** | **47.4** | <0.77 |
| MW-8 | 10/2/2013 | -- | **5.54** | <0.087 | <0.071 | **600** | NA | **3.0** | **0.59** | **0.81** | **28** | **3.5** | <0.59 |
| | 2/14/2014 | INJECTION | | | | | | | | | | | |
| | 4/29/2014 | 74 | **5.54** | **0.553 J** | **0.715 J** | <0.13 | **2.7** | <0.046 A | **68** | **76** | **10** | **275** | **190** |
| MW-18 | 10/2/2013 | -- | **20.3** | **2.38** | **10.1** | **2,500** | NA | **17** | **2.0** | **3.5** | **80** | **36** | <0.59 |
| | 2/14/2014 | INJECTION | | | | | | | | | | | |
| | 4/28/2014 | 73 | **6.59** | **0.168 J** | **0.431 J** | **3,200** | <0.45 | **24 Aa, DH** | **0.20** | **0.76** | **85** | **40.3** | <0.77 |
| **Compliance Shallow Monitoring Wells** | | | | | | | | | | | | | |
| MW-1 | 10/2/2013 | -- | **33.4** | <0.087 | <0.071 | <0.13 | NA | **0.28** | <0.020 | <0.026 | **0.66** | **2** | **5.4** |
| MW-5 | 10/2/2013 | -- | **4.69 J** | <0.087 | <0.071 | **2,800** | NA | **29** | <0.020 | **0.12** | **83** | **7.7** | <0.59 |
| MW-7 | 1/16/2014 | -- | <0.435 | <0.087 | <0.071 | **63** | NA | **2.4** | <0.039 | **0.063** | **3.5** | **0.70 J** | **6** |
| | 4/29/2014 | | <0.435 | <0.087 | <0.071 | **70** | <0.45 | **2.7 A** | <0.039 | **0.41** | **3.7** | **1.6** | **7.0** |
| MW-9 | 10/1/2013 | -- | **0.948 J** | <0.087 | <0.071 | **1.6** | NA | **<0.016** | **2.0** | **3.7** | **0.60** | **1.1** | **11** |
| | 4/29/2014 | -- | <0.435 | <0.087 | <0.071 | **33.0** | <0.45 | **0.79 A** | <0.039 | **0.35** | **1.0** | **0.75 J** | **12** |
| MW-11 | 10/2/2013 | -- | **1.2 J** | <0.087 | <0.071 | **14** | NA | <0.016 | **1.6** | **3.1** | **2.2** | **1.20** | **50** |
| MW-13 | 10/1/2013 | -- | **8.92** | <0.087 | <0.071 | **4.5** | NA | **0.52** | <0.020 | **0.46** | **0.61** | **1** | **22** |
| MW-14 | 10/1/2013 | -- | **6.98** | <0.087 | **1.15** | **14** | NA | **0.11** | <0.020 | **2.4** | **1.9** | **1.9** | **170** |
| MW-15 | 10/2/2013 | -- | **16.2** | **0.373 J** | **0.852 J** | **5.8** | NA | **0.12** | <0.020 | **1.2** | **2.4** | <0.3 | **140** |
| MW-17 | 10/2/2013 | -- | **10.7** | **0.166 J** | <0.071 | **680** | NA | **8.7** | <0.020 | **0.14** | **37** | **3.2** | <0.59 |
| MW-19 | 10/2/2013 | -- | **29.1** | <0.087 | **0.361 J** | **3,300** | NA | **39** | <0.020 | **0.55** | **70** | **7.7** | <0.59 |
| | 4/28/2014 | -- | **2.60** | <0.087 | <0.071 | **710** | <0.45 | **15 Aa, DH** | <0.039 | **0.33** | **22** | **11.0** | <0.77 |
| MW-20 | 10/1/2013 | -- | **10.5** | <0.087 | <0.071 | **1,000** | NA | **10** | <0.020 | **0.19** | **43** | **4.3** | <0.59 |
| | 1/16/2014 | -- | **11.3** | <0.087 | <0.071 | **870** | NA | **8.7** | <0.039 | **0.25** | **40** | **5.9** | <0.77 |
| | 4/29/2014 | -- | **6.83** | <0.087 | <0.071 | **570** | **3.2** | <0.10 A | **3.4** | **0.97** | **6.2** | **30.4** | <0.77 |

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NE = Not established
**Bolded values indicate concentration greater than the laboratory reporting limit.**
J = Indicates the result is between the MDL and RDL
Shaded cells are concentrations in excess of the NC 2L Standard.

**TABLE 4**
**SUMMARY OF ANALYTICAL LABORATORY DATA FOR VOCS IN PERMANENT MONITORING WELLS**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well ID | Date Sampled | Days Post Injection | VOCs by EPA Method 8260 (µg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | PCE | TCE | cis-1,2-DCE | VC | 1,1,1-TCA | 1,1-DCE | 1,1-DCA | Carbon tetrachloride | 1,1,2-TCA | 1,2-DCA | Benzene | 1,2-Dichlorobenzene | Dibromochloromethane |
| COC Category | | | P | P | DP | DP | S | P | S | S | S | S | S | S | S |
| NC 2L Standard | | | 0.7 | 3 | 70 | 0.03 | 200 | 350 | 6 | 0.3 | NE | 0.4 | 1 | 20 | 0.4 |
| **Phase 1 Injection Shallow Monitoring Wells** | | | | | | | | | | | | | | | |
| MW-2 | 6/18/2008 | -- | 8,820 | 1,080 | 4.4 | <0.62 | 6.5 | 1,780 | 7.0 | 6.6 | 1.8 | <0.12 | 1.2 | 102 | <0.21 |
| | 4/7/2009 | -- | 7,140 | 879 | 100 | <6.2 | <4.8 | 910 | <3.2 | <2.5 | <2.9 | <1.2 | <2.5 | <3.0 | <2.1 |
| | 7/28/2010 | -- | 5,150 | 624 | <320 | <320 | <320 | 838 | <320 | <320 | <320 | <320 | <320 | <320 | <320 |
| | 10/2/2013 | -- | 6,300 | 570 | <7.6 | <16 | <6.3 | 700 | <9.6 | <12 | <17 | <14 | <7.2 | <7.6 | <30 |
| | 10/31/2013 | INJECTION | | | | | | | | | | | | | |
| | 1/16/2014 | 77 | 37 | 36 | 1,900 | <3.1 | <1.3 | 240 | <1.9 | <2.4 | <3.3 | <2.8 | <1.4 | <1.5 | <6.0 |
| | 4/28/2014 | 179 | 29 | 25 | 1,900 | 43 | <1.3 | 280 | <1.9 | <2.4 | <3.3 | <2.8 | <1.4 | <1.5 | <6.0 |
| MW-16 | 10/2/2013 | -- | 3,300 | 310 | <3.8 | <7.8 | 92 | 690 | <4.8 | <5.9 | <8.3 | <7.0 | <3.6 | <3.8 | <15 |
| | 10/31/2013 | INJECTION | | | | | | | | | | | | | |
| | 1/16/2014 | 77 | <6.9 | 18,000 | 680 | <16 | <6.3 | 830 | <9.6 | <12 | <17 | <14 | <7.2 | <7.6 | <30 |
| | 4/28/2014 | 179 | <3.4 | 740 | 9,400 | <7.8 | <3.1 | 780 | 28 | <5.9 | <8.3 | <7.0 | <3.6 | <3.8 | <15 |
| **Phase 2 Injection Shallow Monitoring Wells** | | | | | | | | | | | | | | | |
| MW-3 | 6/18/2008 | -- | 573 | 2.8 | <0.19 | <0.62 | 3.1 | 13.9 | <0.32 | <0.25 | < 0.29 | <0.12 | <0.25 | <0.30 | <0.21 |
| | 7/29/2010 | -- | 1,630 | <80.0 | <80.0 | <80.0 | <80.0 | <80.0 | <80.0 | <80.0 | <80.0 | <80.0 | <80.0 | <80.0 | <80.0 |
| | 10/2/2013 | -- | 1,800 | <0.27 | <0.38 | <0.78 | 18 | 24 | <0.48 | <0.59 | <0.83 | <0.70 | 3.5 | <0.38 | <1.5 |
| | 2/14/2014 | INJECTION | | | | | | | | | | | | | |
| MW-4 | 6/18/2008 | -- | 2,320 | 1,030 | 1.0 | <0.62 | 47.6 | 553 | 6.3 | <0.25 | 1.1 | <0.12 | <0.25 | <0.30 | <0.21 |
| | 7/28/2010 | -- | 18,200 | 3,460 | <1,250 | <1,250 | 6,560 | 3,230 | <1,250 | <1,250 | <1,250 | <1,250 | <1,250 | <1,250 | <1,250 |
| | 10/30/2012 | -- | 25,800 | 3,380 | <4.48 | <9.65 | 8,940 | 3,140 | 7.00 J | <4.23 | <5.40 | <3.48 | <3.90 | 15.0 J | <12.8 |
| | 1/31/2013 | -- | 37,000 | 4,200 | <38 | <78 | 14,000 | 4,500 | <48 | <59 | <83 | <70 | <36 | <38 | <150 |
| | 10/2/2013 | -- | 30,000 | 4,800 | <7.6 | <16 | 7,600 | 3,600 | <9.6 | <12 | <17 | <14 | <7.2 | <7.6 | <30 |
| | 1/15/2014 | -- | 22,000 | 5,200 | <3.8 | <7.8 | 7,700 | 4,000 | <4.8 | <5.9 | <8.3 | <7.0 | <3.6 | <3.8 | <15 |
| | 2/14/2014 | INJECTION | | | | | | | | | | | | | |
| | 4/28/2014 | 73 | 29,000 | 5,300 | <3.8 | <7.8 | 5,600 | 3,700 | <4.8 | <5.9 | <8.3 | <7.0 | <3.6 | <3.8 | <15 |
| MW-8 | 7/28/2010 | -- | 974 | <50.0 | <50.0 | <50.0 | 102 | 132 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 |
| | 10/30/2012 | -- | 874 | 58.2 | 1.72 | <0.386 | 45.9 | 128 | 5.15 | <0.169 | <0.216 | <0.139 | <0.156 | 0.430 J | <0.173 |
| | 1/31/2013 | -- | 2,100 | 150 | <1.5 | <3.1 | 200 | 400 | <1.9 | <2.4 | <3.3 | <2.8 | <1.4 | <1.5 | <6.0 |
| | 10/2/2013 | -- | 2,200 | 120 | <0.38 | <0.78 | 120 | 260 | 3.6 | <0.59 | <0.83 | <0.70 | <0.36 | <0.38 | <1.5 |
| | 1/15/2014 | -- | 1,900 | 130 | 2.6 | <0.78 | 130 | 340 | 3.0 | 4.0 | <0.83 | <0.70 | <0.36 | <0.38 | <1.5 |
| | 2/14/2014 | INJECTION | | | | | | | | | | | | | |
| | 4/29/2014 | 74 | 65 | 13 | 5.8 | <0.78 | 3.4 | 60 | 8.6 | <0.59 | <0.83 | <0.70 | <0.36 | <0.38 | <1.5 |

**TABLE 4**
**SUMMARY OF ANALYTICAL LABORATORY DATA FOR VOCS IN PERMANENT MONITORING WELLS**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well ID | Date Sampled | Days Post Injection | VOCs by EPA Method 8260 (µg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | PCE | TCE | cis-1,2-DCE | VC | 1,1,1-TCA | 1,1-DCE | 1,1-DCA | Carbon tetrachloride | 1,1,2-TCA | 1,2-DCA | Benzene | 1,2-Dichlorobenzene | Dibromochloromethane |
| COC Category | | | P | P | DP | DP | S | P | S | S | S | S | S | S | S |
| NC 2L Standard | | | 0.7 | 3 | 70 | 0.03 | 200 | 350 | 6 | 0.3 | NE | 0.4 | 1 | 20 | 0.4 |
| MW-18 | 10/2/2013 | -- | **110,000** | **22,000** | **380** | <31 | **37,000** | **17,000** | **300** | <24 | <33 | <28 | <14 | <15 | <60 |
| | 1/15/2014 | -- | **50,000** | **6,000** | <15 | <31 | **21,000** | **7,400** | <19 | <24 | <33 | <28 | <14 | <15 | <60 |
| | 2/14/2014 | INJECTION | | | | | | | | | | | | | |
| | 4/28/2014 | 73 | **66,000** | **14,000** | <15 | <31 | **20,000** | **14,000** | **110** | <24 | <33 | <28 | <14 | <15 | <60 |
| Compliance Shallow Monitoring Wells | | | | | | | | | | | | | | | |
| MW-1 | 6/18/2008 | -- | **1.2** | <0.47 | <0.19 | <0.62 | <0.48 | <0.56 | <0.32 | <0.25 | <0.29 | <0.12 | **2.8** | <0.30 | <0.21 |
| | 7/29/2010 | -- | **2.15** | <1.00 | **7.02** | <1.00 | <1.00 | <1.00 | **4.58** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| | 10/2/2013 | -- | **3,500** | **200** | **120** | <16 | <6.3 | **400** | <9.6 | <12 | <17 | <14 | <7.2 | <7.6 | <30 |
| MW-5 | 6/18/2008 | -- | <0.46 | < 0.47 | <0.19 | <0.62 | < 0.48 | <0.56 | <0.32 | <0.25 | < 0.29 | <0.12 | <0.25 | <0.30 | <0.21 |
| | 7/29/2010 | -- | **1.53** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| | 10/2/2013 | -- | **210** | <0.054 | <0.076 | <0.16 | **1.2** | **4.0** | <0.096 | <0.12 | <0.17 | <0.14 | **2.4** | <0.076 | <0.30 |
| MW-6 | 7/28/2010 | -- | **244** | **14.2** | <10.0 | <10.0 | <10.0 | **24.7** | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| MW-7 | 7/28/2010 | -- | **273** | **29.6** | <16.0 | <16.0 | <16.0 | **52.3** | <16.0 | <16.0 | <16.0 | <16.0 | <16.0 | <16.0 | <16.0 |
| | 1/16/2014 | -- | **1,600** | **140** | <7.6 | <16 | **120** | **390** | <9.6 | <12 | <17 | <14 | <7.2 | <7.6 | <30 |
| | 4/29/2014 | -- | **1,500** | **130** | <1.5 | <3.1 | **110** | **370** | <1.9 | <2.4 | <3.3 | <2.8 | <1.4 | <1.5 | <6.0 |
| MW-9 | 7/28/2010 | -- | **3.62** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| | 10/1/2013 | -- | **14** | **0.55** | <0.076 | <0.16 | <0.063 | **1.3** | <0.096 | <0.12 | <0.17 | <0.14 | <0.072 | <0.076 | <0.30 |
| | 1/15/2014 | -- | **140** | **3.4** | <0.076 | <0.16 | **1.6** | **11** | <0.096 | <0.12 | <0.17 | <0.14 | <0.072 | <0.076 | <0.30 |
| | 4/29/2014 | -- | **220** | **5.5** | <0.076 | <0.16 | **2.9** | **17** | **0.68** | <0.12 | <0.17 | <0.14 | <0.072 | <0.076 | <0.30 |
| MW-11 | 7/29/2010 | -- | **2.01** | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 | <1.00 |
| | 10/2/2013 | -- | <0.069 | <0.054 | <0.076 | <0.16 | <0.063 | <0.078 | <0.096 | <0.12 | <0.17 | <0.14 | <0.072 | <0.076 | <0.30 |
| MW-13 | 6/27/2011 | -- | **6.20** | **1.60** | <0.136 | <0.124 | **0.170 J** | **2.88** | <0.165 | <0.101 | <0.126 | <0.167 | <0.113 | <0.137 | <0.134 |
| | 10/1/2013 | -- | **48** | **18** | <0.076 | <0.16 | **1.2** | **33** | <0.096 | <0.12 | <0.17 | <0.14 | <0.072 | <0.076 | <0.30 |
| MW-17 | 10/2/2013 | -- | **2,100** | **350** | **32** | <7.8 | **250** | **370** | <4.8 | <5.9 | <8.3 | <7.0 | <3.6 | <3.8 | <15 |
| MW-19 | 10/2/2013 | -- | **100** | <0.054 | <0.076 | <0.16 | **0.73** | **3.6** | <0.096 | <0.12 | <0.17 | <0.14 | **3.7** | <0.076 | <0.30 |
| | 1/15/2014 | -- | **800** | <0.054 | **0.61** | <0.16 | **11** | **15** | **0.72** | <0.12 | <0.17 | <0.14 | **4.5** | <0.076 | <0.30 |
| | 4/28/2014 | -- | **130** | **0.75** | <0.076 | <0.16 | <0.063 | **14** | **1.1** | <0.12 | <0.17 | <0.14 | **0.98** | <0.076 | <0.30 |
| MW-20 | 10/1/2013 | -- | **1,400** | **76** | <1.5 | <3.1 | **160** | **160** | <1.9 | <2.4 | <3.3 | <2.8 | <1.4 | <1.5 | <6.0 |
| | 1/16/2014 | -- | **1,200** | **56** | <1.5 | <3.1 | **57** | **150** | <1.9 | <2.4 | <3.3 | <2.8 | <1.4 | <1.5 | <6.0 |
| | 4/29/2014 | -- | **1,300** | **78** | <1.5 | <3.1 | **55** | **200** | <1.9 | <2.4 | <3.3 | <2.8 | <1.4 | <1.5 | <6.0 |

**TABLE 4**
**SUMMARY OF ANALYTICAL LABORATORY DATA FOR VOCS IN PERMANENT MONITORING WELLS**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Monitoring Well ID | Date Sampled | Days Post Injection | VOCs by EPA Method 8260 (µg/L) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | PCE | TCE | cis-1,2-DCE | VC | 1,1,1-TCA | 1,1-DCE | 1,1-DCA | Carbon tetrachloride | 1,1,2-TCA | 1,2-DCA | Benzene | 1,2-Dichlorobenzene | Dibromochloromethane |
| **COC Category** | | | **P** | **P** | **DP** | **DP** | **S** | **P** | **S** | **S** | **S** | **S** | **S** | **S** | **S** |
| **NC 2L Standard** | | | **0.7** | **3** | **70** | **0.03** | **200** | **350** | **6** | **0.3** | **NE** | **0.4** | **1** | **20** | **0.4** |
| **Compliance Deep Monitoring Wells** | | | | | | | | | | | | | | | |
| MW-14 | 6/27/2011 | -- | **0.230 J** | <0.125 | <0.136 | <0.124 | <0.123 | <0.212 | <0.165 | <0.101 | <0.126 | <0.167 | <0.113 | <0.137 | **0.640 J** |
| | 10/1/2013 | -- | <0.069 | <0.054 | <0.076 | <0.16 | <0.063 | <0.078 | <0.096 | <0.12 | <0.17 | <0.14 | <0.072 | <0.076 | <0.30 |
| MW-15 | 6/27/2011 | -- | **0.440 J** | <0.125 | <0.136 | <0.124 | <0.123 | <0.212 | <0.165 | <0.101 | <0.126 | <0.167 | <0.113 | <0.137 | <0.134 |
| | 10/2/2013 | -- | <0.069 | <0.054 | <0.076 | <0.16 | <0.063 | <0.078 | <0.096 | <0.12 | <0.17 | <0.14 | <0.072 | <0.076 | <0.30 |

Notes:
P = Primary contaminant of concern
DP = CVOC Degradation Daughter Product
S = Secondary contaminant of concern
NE = not established
**Bolded values indicate concentration greater than the laboratory reporting limit.**
Shaded cells are concentrations in excess of the NC 2L Standard or a detection if no NC 2L Standard is estbalished.
J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

**TABLE 5**
**SUMMARY OF MBT AND VFA DATA**
**FORMER EATON CORPORATION FACILITY**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| Well ID | Sample Date | Days Post Injection | MBT by CENSUS (cells/mL) | | | | VFA by Method AM23G (mg/L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | DHC | TCE Reductase | BVC Reductase | VC Reductase | Lactic Acid | Acetic Acid | Propionic Acid | Formic Acid | Butyric Acid | Pyruvic Acid | i-Pentanoic Acid | Pentanoic Acid | i-Hexanoic Acid | Hexanoic Acid | Total |
| **Phase 1 Injection Shallow Monitoring Wells** | | | | | | | | | | | | | | | | | |
| MW-2 | 10/2/2013 | -- | <5.00E-01 | <5.00E-01 | <5.00E-01 | <5.00E-01 | **0.79** | **0.069 J** | **0.020 J** | **0.082 J** | **0.036 J** | **0.070 J** | <0.15 | **0.075** | <0.10 | <0.50 | **1.14** |
| | 10/31/2013 | INJECTION | | | | | | | | | | | | | | | |
| | 1/16/2014 | 77 | NA | NA | NA | NA | **3.2 J** | **370** | **360** | **6.2** | **49** | **6.6** | **2.0** | **30** | <0.10 | **3.2** | **830** |
| | 4/28/2014 | 102 | **2.00E-01 J** | <3.00E-01 | <3.00E-01 | <3.00E-01 | **3.1 J** | **460** | **330** | **15** | **37** | **56** | <15 | **33** | <10 | <50 | **934** |
| MW-16 | 10/2/2013 | -- | <5.00E-01 | <5.00E-01 | <5.00E-01 | <5.00E-01 | <0.10 | **0.095** | **0.025 J** | **0.10** | **0.040 J** | <0.15 | <0.15 | **0.16** | <0.10 | <0.50 | **0.42** |
| | 10/31/2013 | INJECTION | | | | | | | | | | | | | | | |
| | 1/16/2014 | 77 | NA | NA | NA | NA | **0.18 J** | **220** | **62** | **3.0** | **4.6** | **0.26** | **0.24** | **0.95** | <0.10 | **0.38 J** | **292** |
| | 4/28/2014 | 102 | **3.00E-01 J** | <3.00E-01 | <3.00E-01 | <3.00E-01 | **5.9 J** | **230** | **190** | **11** | **16** | **9.0** | **1.4 J** | **7.0** | <1.0 | <5.0 | **470** |
| **Phase 2 Injection Shallow Monitoring Wells** | | | | | | | | | | | | | | | | | |
| MW-4 | 10/2/2013 | -- | <5.00E-01 | <5.00E-01 | <5.00E-01 | <5.00E-01 | **3.6** | **0.51 J** | <0.50 | **0.77 J** | <0.50 | <1.5 | <1.5 | <0.70 | <1.0 | <5.0 | **4.88** |
| | 2/14/2014 | INJECTION | | | | | | | | | | | | | | | |
| | 4/28/2014 | 73 | <3.00E-01 | <3.00E-01 | <3.00E-01 | <3.00E-01 | <1.0 | **2.0** | **0.37 J** | **0.58 J** | <0.50 | <1.5 | <1.5 | <0.70 | <1.0 | <5.0 | **2.95** |
| MW-18 | 10/2/2013 | -- | <5.00E-01 | <5.00E-01 | <5.00E-01 | <5.00E-01 | **1.8** | **13** | **0.36** | **0.27** | **0.11** | **0.10 J** | <0.15 | **0.19** | <0.10 | <0.50 | **15.8** |
| | 2/14/2014 | INJECTION | | | | | | | | | | | | | | | |
| | 4/28/2014 | 73 | <5.00E-01 | <5.00E-01 | <5.00E-01 | <5.00E-01 | <1.0 | **3.3** | **0.61** | **0.76 J** | **0.40 J** | **0.57 J** | **0.64 J** | <0.70 | <1.0 | <5.0 | **6.28** |
| **Compliance Shallow Monitoring Wells** | | | | | | | | | | | | | | | | | |
| MW-19 | 10/3/2013 | -- | <5.00E-01 | <5.00E-01 | <5.00E-01 | <5.00E-01 | **3.6** | **0.47 J** | <0.50 | **1.3** | <0.50 | <1.5 | <1.5 | <0.70 | <1.0 | <5.0 | **5.37** |
| | 4/28/2014 | -- | NA | NA | NA | NA | **0.093 J** | **0.051 J** | <0.050 | **0.094 J** | <0.050 | <0.15 | <0.15 | <0.070 | <0.10 | <0.50 | **0.24** |

Notes:
J = Estimated concentration greater than the set method detection limit and less than the set reporting limit.
NA = Not analyzed

**TABLE 6**
**PHASE 1 pH AND ORP MEASUREMENTS**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

| IW ID | Start of Phase 1 | | End of Phase 1 | | 30 Day | | 60 Day | | 90 Day | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 10/22/2013 | Date: | 10/31/2013 | Date: | 11/26/2013 | Date: | 12/30/2013 | Date: | 2/7/2014 |
| | pH | ORP | pH | ORP | pH | ORP | pH | ORP | pH | ORP |
| **GROUP A ZONE A** | | | | | | | | | | |
| IW-5A | 4.5 | 103 | 8.2 | 86 | 6.9 | -149 | 7.4 | -106 | 6.9 | -10 |
| IW-11A | 5.5 | 69 | 9.1 | 85 | 7.5 | -160 | 7.0 | -83 | 6.3 | -49 |
| IW-14A | 5.9 | 35 | -- | -- | 6.9 | -157 | 7.9 | -98 | 6.3 | -35 |
| IW-27A | 5.9 | 74 | 8.6 | 59 | 6.5 | -59 | 8.3 | -199 | 8.4 | -44 |
| IW-30A | 4.6 | 111 | 9.4 | 30 | 9.6 | -142 | 8.9 | -227 | 6.2 | -55 |
| **GROUP A ZONE B** | | | | | | | | | | |
| IW-5B | 6.2 | 71 | 9.2 | 69 | 6.2 | -127 | 8.1 | -44 | 5.5 | -82 |
| IW-11B | 6.1 | 38 | 9.2 | 85 | 6.4 | -112 | 7.3 | -48 | 6.0 | -66 |
| IW-14B | 6.1 | -270 | -- | -- | 7.0 | -173 | 8.8 | 51 | 5.6 | -323 |
| IW-27B | 6.9 | 45 | 9.3 | 64 | 6.0 | -110 | 7.0 | -12 | 5.6 | -11 |
| IW-30B | 6.1 | 78 | 9.8 | 23 | 5.6 | -87 | 5.6 | 10 | 5.1 | -59 |
| **GROUP B ZONE A** | | | | | | | | | | |
| IW-2A | 6.1 | 96 | 7.9 | 113 | 7.4 | -153 | 6.8 | -58 | 6.1 | 166 |
| IW-9A | 5.2 | 90 | 8.3 | 83 | 5.6 | -119 | 6.3 | -62 | 6.1 | -64 |
| IW-18A | 4.0 | 138 | 9.4 | 89 | 8.2 | -108 | 7.5 | -185 | 6.0 | -2 |
| IW-25A | 4.6 | 127 | 9.5 | 93 | 7.2 | -169 | 6.9 | -94 | 6.2 | -93 |
| IW-42A* | 5.0 | 102 | 9.5 | 62 | 7.8 | -210 | 9.8 | -133 | 8.0 | 37 |
| **GROUP B ZONE B** | | | | | | | | | | |
| IW-2B | 5.6 | 73 | 8.3 | 170 | 7.0 | -121 | 8.1 | -81 | 6.2 | -65 |
| IW-9B | 6.4 | 60 | 8.5 | 105 | 6.4 | -136 | 6.7 | -83 | 6.1 | -89 |
| IW-18B | 6.4 | 75 | 9.7 | 99 | 6.4 | -119 | 8.9 | -126 | 6.0 | 69 |
| IW-25B | 6.2 | 75 | 9.2 | 114 | 6.3 | -143 | 6.7 | -59 | 6.1 | -96 |
| IW-42B | 12.0 | 21 | 9.3 | 103 | 6.3 | -103 | 6.9 | -46 | 5.8 | -64 |

Note:
-- Readings could not be collected.
90 day pH/ORP readings collected on 2/10/14.

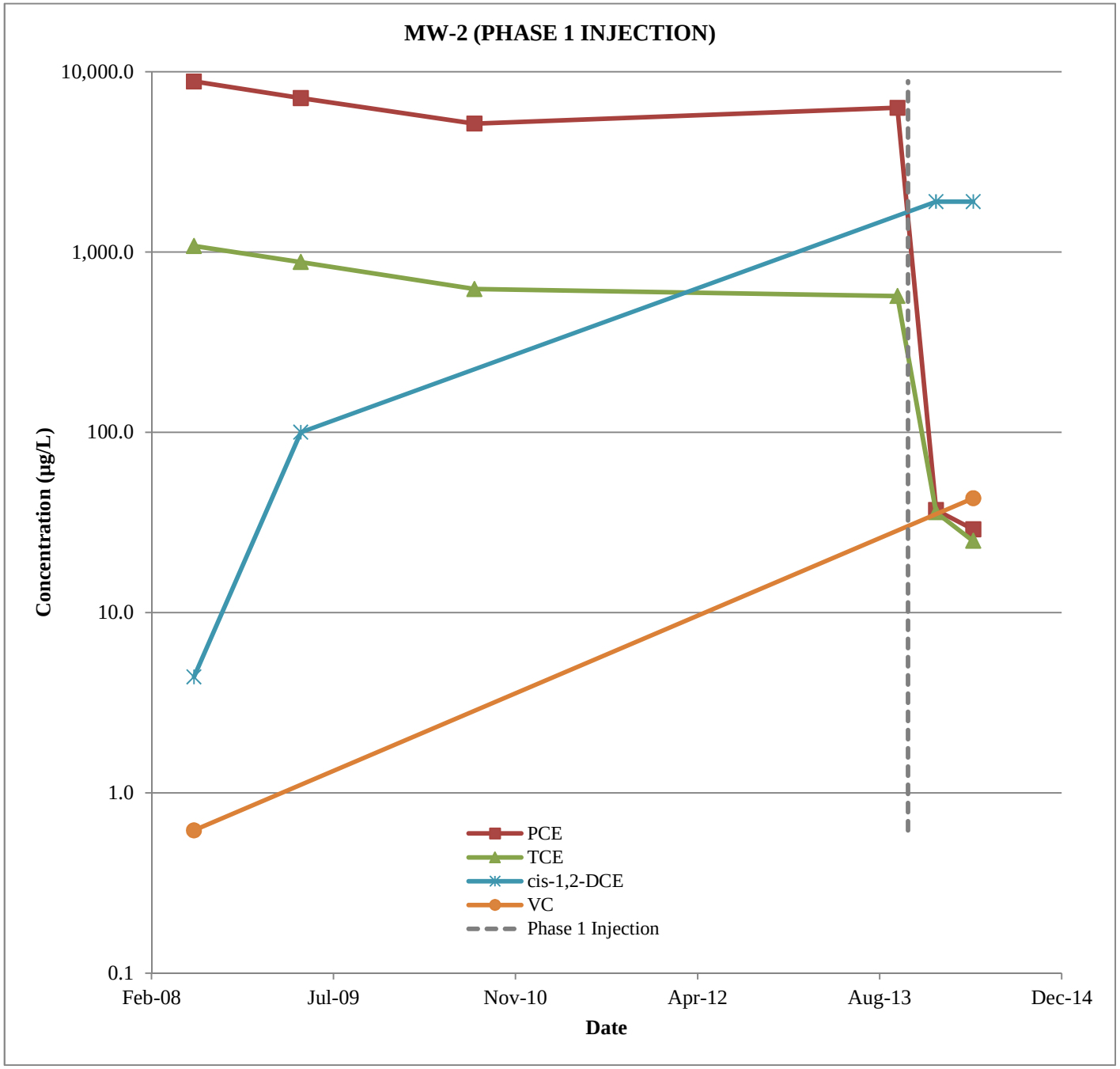
**TABLE 7**
**PHASE 2 pH AND ORP MEASUREMENTS**
**FORMER EATON CORPORATION**
**1100 EAST PRESTON STREET, SELMA, NORTH CAROLINA**

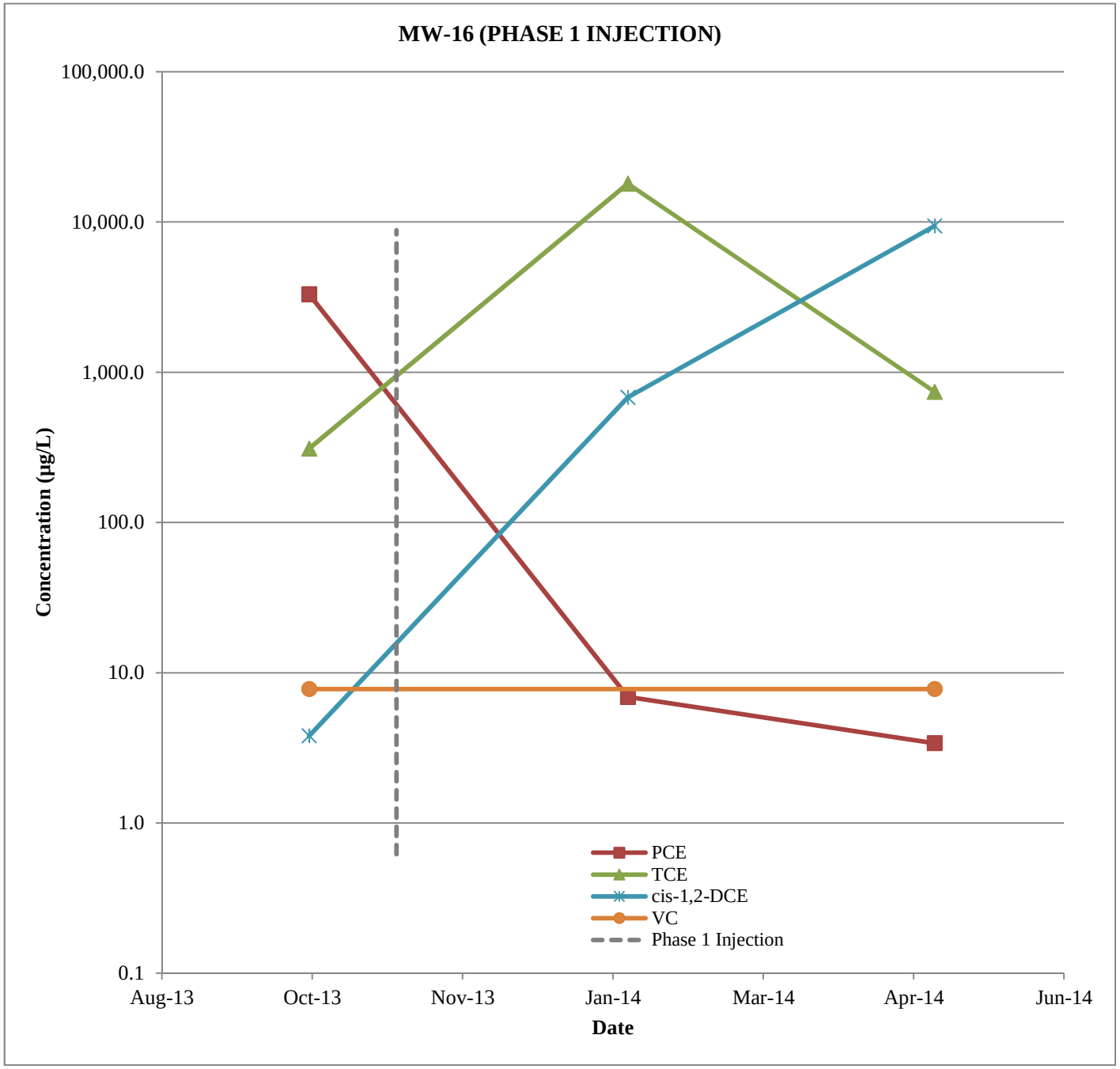
| IW ID | Start of Phase 1 | | End of Phase 1 | | 30 Day | | 60 Day | | 90 Day | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Date: | 1/20/2014 | Date: | 2/10/2014 | Date: | 3/5/2014 | Date: | 4/8/2014 | Date: | |
| | pH | ORP | pH | ORP | pH | ORP | pH | ORP | pH | ORP |
| **GROUP A ZONE A** | | | | | | | | | | |
| IW-24A | 3.8 | 324 | 9.2 | -377 | 8.6 | -412 | 9.6 | -431 | 9.6 | -392 |
| IW-39A | 3.5 | 352 | -- | -- | 8.1 | -138 | 9.1 | -239 | 9.2 | -400 |
| IW-40A | 3.4 | 356 | -- | -- | 8.8 | -365 | 9.6 | -225 | 9.6 | -420 |
| IW-53A | 4.1 | 338 | -- | -- | 8.6 | -264 | 8.8 | -336 | 7.8 | -423 |
| IW-59A | 3.4 | 359 | -- | -- | 8.2 | -81 | 9.0 | -214 | 8.2 | -455 |
| **GROUP A ZONE B** | | | | | | | | | | |
| IW-24B | 6.1 | 250 | 8.9 | -53 | 6.8 | -402 | 6.5 | -360 | 6.7 | -287 |
| IW-39B | 3.9 | 336 | 8.5 | -130 | 6.3 | -348 | 7.0 | -230 | 8.3 | -430 |
| IW-40B | 5.6 | 281 | -- | -- | 5.9 | -391 | 6.0 | -210 | 6.0 | -293 |
| IW-53B | 4.7 | 323 | -- | -- | 7.3 | -206 | 6.3 | -287 | 6.5 | -363 |
| IW-59B | 3.5 | 362 | -- | -- | 5.6 | -234 | 5.3 | -308 | 5.3 | -320 |
| **GROUP B ZONE A** | | | | | | | | | | |
| IW-19A | 3.9 | 330 | 8.3 | 120 | 6.4 | -339 | 7.1 | -235 | 7.9 | -185 |
| IW-36A | 3.8 | 332 | 9.4 | -47 | 7.5 | -409 | 9.2 | -345 | 9.1 | -355 |
| IW-47A | 3.4 | 364 | -- | -- | 8.6 | -355 | 9.6 | -312 | 9.3 | -430 |
| IW-52A | 3.7 | 358 | -- | -- | 8.6 | -140 | 9.2 | -335 | 9.3 | -376 |
| IW-60A | 3.3 | 360 | -- | -- | 8.3 | -335 | 9.1 | -299 | 8.1 | -435 |
| **GROUP B ZONE B** | | | | | | | | | | |
| IW-19B | 5.2 | 279 | 8.6 | -45 | 7.0 | -194 | 6.0 | -213 | 6.1 | -190 |
| IW-36B | 5.9 | 262 | 8.1 | -230 | 5.5 | -345 | 5.7 | -219 | 6.2 | -200 |
| IW-47B | 3.6 | 359 | -- | -- | 8.0 | -283 | 7.9 | -240 | 7.4 | -375 |
| IW-52B | 4.4 | 331 | -- | -- | 8.2 | -130 | 6.4 | -240 | 6.9 | -425 |
| IW-60B | 3.6 | 355 | -- | -- | 7.4 | -177 | 6.2 | -308 | 5.5 | -330 |

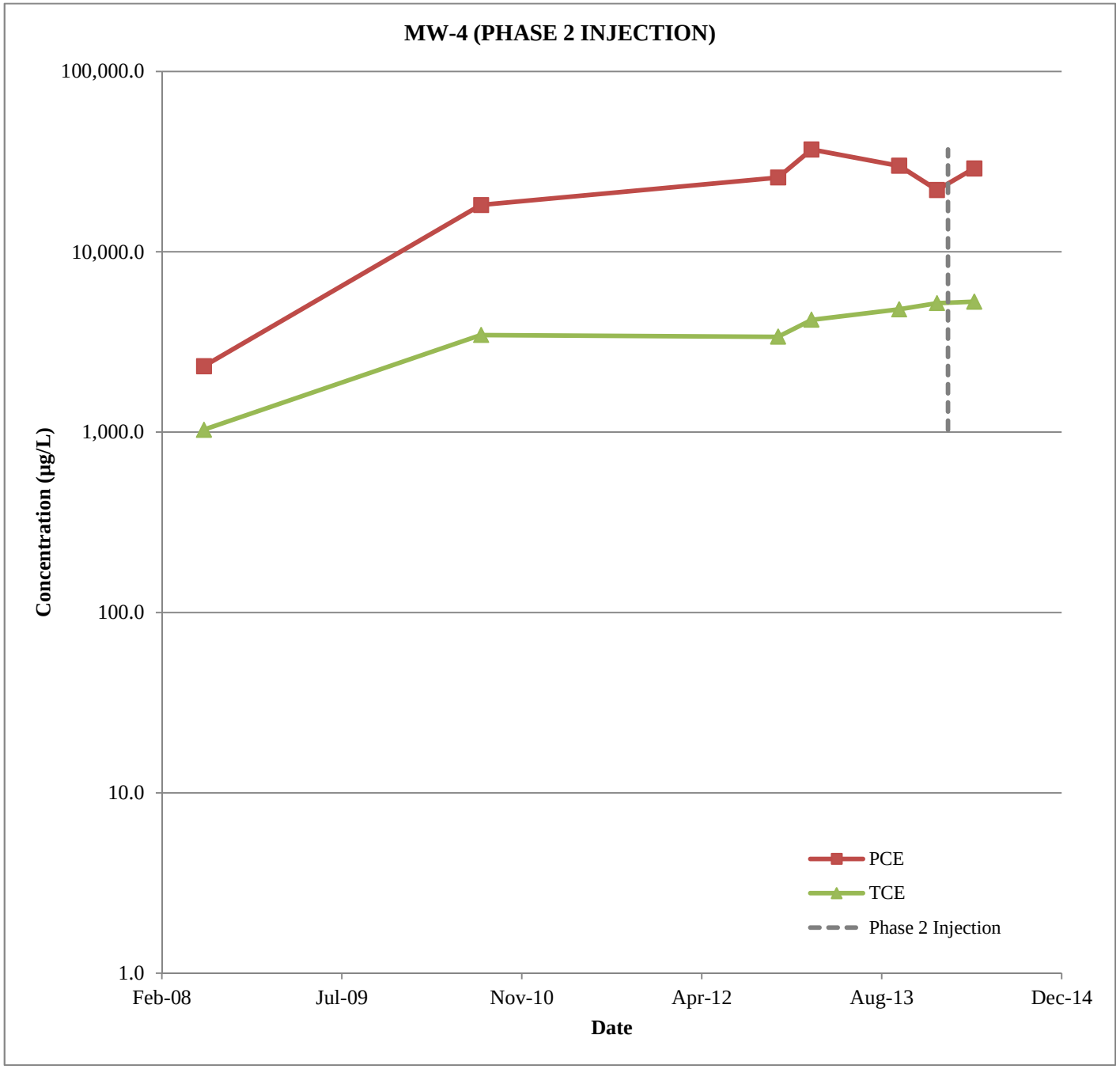
Note:
-- Readings could not be collected because water was at the top of casing.

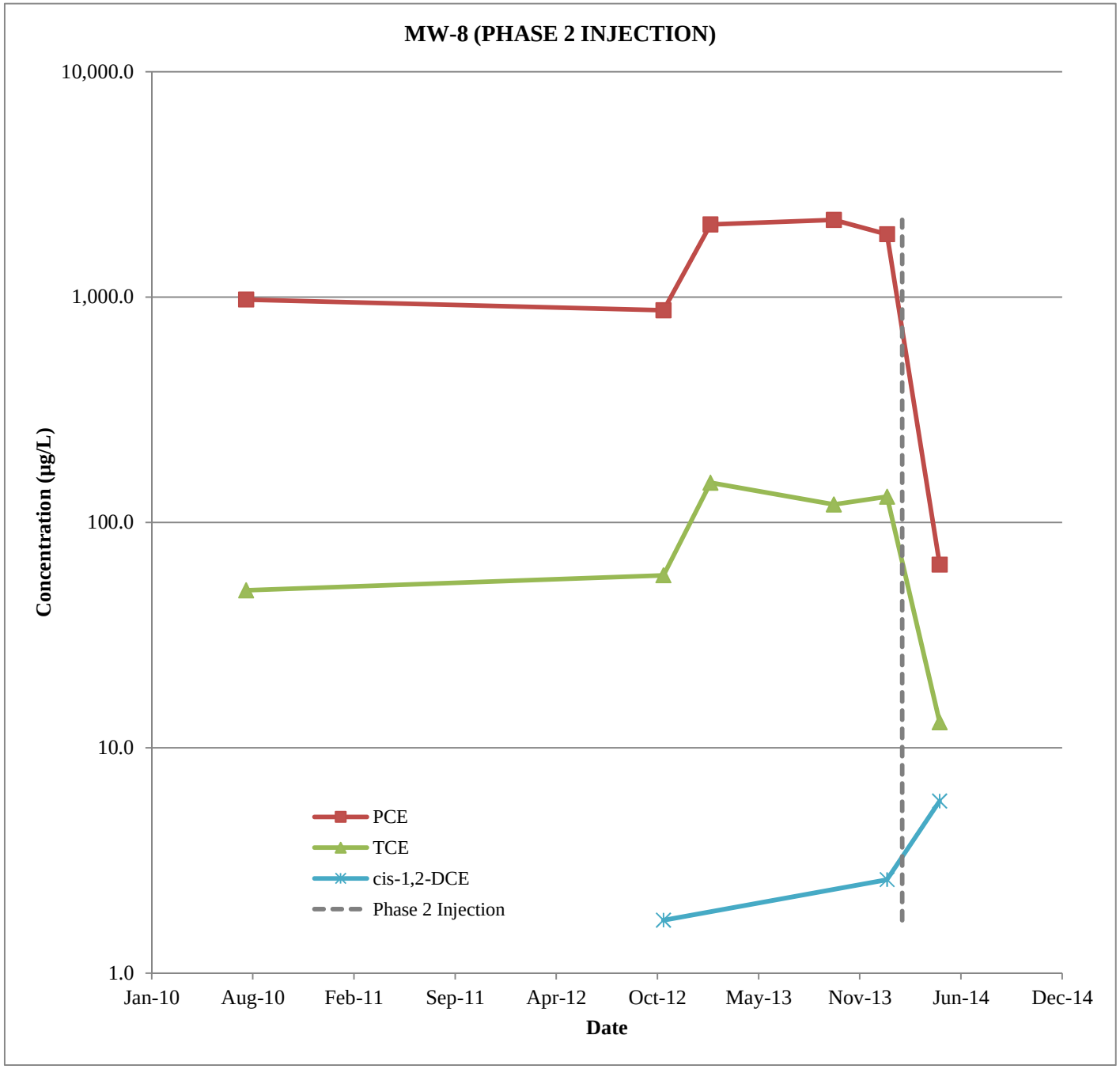
# ATTACHMENT 3

## CONTAMINANT CONCENTRATION GRAPHS


MW-2 (PHASE 1 INJECTION)
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
Feb-08
Jul-09
Nov-10
Apr-12
Aug-13
Dec-14
Date
PCE
TCE
cis-1,2-DCE
VC
Phase 1 Injection


MW-16 (PHASE 1 INJECTION)
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
0.1
Concentration (µg/L)
Aug-13
Oct-13
Nov-13
Jan-14
Mar-14
Apr-14
Jun-14
Date
PCE
TCE
cis-1,2-DCE
VC
Phase 1 Injection


MW-4 (PHASE 2 INJECTION)
100,000.0
10,000.0
1,000.0
100.0
10.0
1.0
Concentration (µg/L)
Feb-08
Jul-09
Nov-10
Apr-12
Aug-13
Dec-14
Date
PCE
TCE
Phase 2 Injection


MW-8 (PHASE 2 INJECTION)
10,000.0
1,000.0
100.0
10.0
1.0
Concentration (µg/L)
Jan-10
Aug-10
Feb-11
Sep-11
Apr-12
Oct-12
May-13
Nov-13
Jun-14
Dec-14
Date
PCE
TCE
cis-1,2-DCE
Phase 2 Injection

# ATTACHMENT 4

## CERTIFICATION STATEMENTS

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 1 OF 2

IHSB SITE NAME NONCD 0002853 Former Eaton Selma

DATE & NAME OF DOCUMENT 7/15/2014 Quarterly Summary

TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

## REMEDIATING PARTY DOCUMENT CERTIFICATION STATEMENT (.0306(B)(2))

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Jeffrey Allen, Eaton
Name of Remediating Party

Signature of Remediating Party

7-10-14
Date

**NOTARIZATION**

Ohio (Enter State)

Summit **COUNTY**

I, Cathryn Block, a Notary Public of said County and State, do hereby certify that Jeffrey Allen did personally appear and sign before me this day, produced proper identification in the form of drivers license, was duly sworn or affirmed, and declared that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 10th day of July, 2014.

Notary Public (signature)

(OFFICIAL SEAL)

My commission expires: 11/23/15.

NOTARIAL SEAL STATE OF OHIO

CATHRYN BLOCK
NOTARY PUBLIC
FOR THE
STATE OF OHIO
My Commission Expires
November 23, 2015

*Document Certification Form No. DC - I*
*(Revised 8/11)*

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME NONCD 0002853 Former Eaton Selma
DATE & NAME OF DOCUMENT 7/15/2014 Quarterly Summary
TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

## REGISTERED SITE MANAGER CERTIFICATION OF SIGNATURES

As the Registered Environmental Consultant for the Site for which this filing is made, I certify that the signatures included herewith are genuine and authentic original handwritten signatures and/or true, accurate, and complete copies of the genuine and authentic original handwritten signatures of the persons who purport to sign for this filing. I further certify that I have collected through reliable means the originals and/or copies of said signatures from the persons authorized to sign for this filing who, in fact, signed the originals thereof. Those persons and I understand and agree that any copies of signatures have the same legally binding effect as original handwritten signatures, and I certify that any person for whom I am submitting a copy of their signature has provided me with their express consent to submit said copy. Additionally, I certify that I am authorized to attest to the genuineness and authenticity of the signatures, both originals and any copies, being submitted herewith and that by signing below, I do in fact attest to the genuineness and authenticity of all the signatures, both originals and copies, being submitted for this filing.

M. Tony Lieberman
Name of Registered Site Manager

M. Tony Lieberman
Signature of Registered Site Manager

Date 7/9/14

## REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENT (.0306(b)(1))

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act N.C.G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

M. TONY LIEBERMAN
Name of Registered Site Manager

M. Tony Lieberman
Signature of Registered Site Manager

Date 7/9/14

### NOTARIZATION

North Carolina (Enter State)

Wake COUNTY

I, Debra A. Tabron, a Notary Public of said County and State, do hereby certify that M. Tony Lieberman did personally appear and sign before me this day, produced proper identification in the form of Drivers License, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed these Certifications in my presence.

WITNESS my hand and official seal this 9th day of July, 2014.

Debra A Tabron
Notary Public (signature)

(OFFICIAL SEAL)

DEBRA A. TABRON
Notary Public
Wake County
NORTH CAROLINA

My commission expires: 8.22.15.

*Document Certification Form No. DC - II*
*(Revised 8/11)*