

Operation and Maintenance Report

No. 52

**N.W. Mauthe Superfund Site
Appleton, Wisconsin**

November 17, 2015
Terracon Project No. 58117057
WDNR BRRTS No. 02-45-000127



Prepared for:
Wisconsin Department of Natural Resources
Oshkosh, Wisconsin

Prepared by:
Terracon Consultants, Inc.
Franklin, Wisconsin

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November 17, 2015



Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
625 East County Road Y, Suite 700
Oshkosh, Wisconsin 54901-9731

Attn: Ms. Jennifer Borski

Re: Operation and Maintenance Report No. 52
N.W. Mauthe Superfund Site
725 South Outagamie Street
Appleton, Wisconsin
WDNR BRRTS No. 02-45-000127
Terracon Project No. 58117057

Dear Ms. Borski:

Terracon Consultants, Inc. (Terracon) has prepared this Operation and Maintenance Report to summarize the activities that took place at the above-referenced site from May 1, 2015, through September 30, 2015. The report documents system operations and site conditions through the reporting period and recommends continued system operation without change.

Sincerely,
Terracon Consultants, Inc.

Scott A. Hodgson
Scott A. Hodgson, P.G.
Senior Project Manager

B.R.S.
Blaine R. Schroyer, P.E.
Principal/Office Manager

SAH/BRS/BP:sah\N:\Projects\2011\58117057\Working Files\DRAFTS\ (Proposal-Reports-Communications)\Semi Annual Reports\O_M No. 52 October 2015\58117057 O_M52.docx

Copy to: File
Brian Kreski (City of Appleton Department of Utilities Environmental Programs Coordinator)



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OPERATION AND MAINTENANCE REPORT NO. 52

**N.W. MAUTHE SUPERFUND SITE
725 SOUTH OUTAGAMIE STREET
APPLETON, WISCONSIN**

**November 17, 2015
Terracon Project No. 58117057**

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) was retained by the Wisconsin Department of Natural Resources (WDNR) to perform remedial system operation and maintenance services at the above-referenced site. The WDNR project contact is Ms. Jennifer Borski, Oshkosh Service Center.

2.0 BACKGROUND

2.1 Site Location

The N.W. Mauthe (Mauthe) property is located at 725 South Outagamie Street, Appleton, Wisconsin 54914-5072. The project is located in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 34, T21N, R17E, Outagamie County (Figure 1 – Site Location Map, Appendix A).

2.2 Site History

The Mauthe site is a former electroplating facility. The facility consisted of a zinc building and a chromium building. Zinc, cadmium, copper, and possibly silver were electroplated in the zinc building from 1978 to 1987. Hard chromium plating was conducted in the chromium building from 1960 to 1976. In 1982, the WDNR received a report that yellowish-green water was observed south of the chromium building. Apparently, for several years plating solutions and waste solvents had leaked from holding vats and tanks, and sump pumps allegedly discharged plating tank solutions onto the ground outside the facility.

The WDNR began an investigation of the site in April 1982. A shallow groundwater collection system was installed parallel to the railroad tracks in May 1982, where groundwater and surface water were collected for two years. The Mauthe site was added to the National Priorities List in 1989.

From November 1991 to May 1992, CH2M HILL performed a Remedial Investigation (RI) for the WDNR. The RI showed the greatest concentrations of soil and groundwater contamination in the area around the zinc and chromium buildings. The chemicals most often detected above

background levels or state standards included total chromium, hexavalent chromium, zinc, cadmium, cyanide, trichloroethene, 1,1,1-trichloroethane, 1,1-dichloroethene, and toluene. Subsurface soil contamination was detected up to 25 feet deep near the former buildings. Groundwater contamination extended over most of the block bordered by Melvin, Outagamie, and Second Streets.

CH2M HILL conducted a feasibility study for the WDNR. A Record of Decision (ROD) was signed in March 1994. Remedial design/remedial action activities took place at the Mauthe site in a phased approach. Phase I, which took place in 1995, included the following.

- Demolition and removal of the buildings on the Mauthe property
- Excavation and off-site treatment of soils with a total chromium concentration of greater than 500 milligrams per kilogram (mg/kg)
- Backfilling of the excavation with clean soils, capping the site with 2 feet of clay and topsoil, and the establishment of vegetative cover
- Installation of groundwater collection trenches and construction and operation of a groundwater treatment facility to contain and/or control groundwater contamination with ultimate compliance with groundwater Applicable or Relevant and Appropriate Requirements (ARARs)
- Improvement or installation of foundation drain systems and cleaning, painting or sealing of basement walls and floors, as needed, for homes or businesses in the area of the site, to prevent seepage of contaminated water into the buildings

Phase II, which took place in 1996, involved the construction of a groundwater treatment system, which began operation in February 1997.

Midwest Contract Operations, Inc. (MCO) began operating the groundwater treatment system in February 1997. CH2M HILL, the site engineer and project manager for the United States Environmental Protection Agency (EPA), retained responsibility for the overall site operations and the groundwater monitoring wells associated with the treatment system.

In October 1998, after the first year of operation and maintenance of the remediation system, the WDNR assumed the responsibility from the EPA for all operation and maintenance at the site. MCO was retained by the WDNR for the operation and maintenance of the groundwater treatment system, including the groundwater monitoring wells.

In January 2005, the WDNR requested OMNNI Associates, Inc. (OMNNI) provide an evaluation of the groundwater collection and treatment system at the Mauthe site. The installation of four piezometers (PZ-5, PZ-6, PZ-7, and PZ-8) was part of the evaluation to understand the extent of contaminants in the soil and groundwater. OMNNI installed five additional observation wells (MW-

109 through MW-113) on May 24, 2006, to further understand the extent of contaminants in the soil and groundwater in the former source area.

The results of the additional investigation showed contamination remained in the soil above ch. NR 720 Wisconsin Administrative Code (WAC) levels, in the groundwater above ch. NR 140 WAC enforcement standards, and in the groundwater above the applicable or relevant and appropriate requirements (ARARs) established for the Mauthe site. Groundwater did not appear to be impacted at depth based on the piezometer groundwater analysis.

Active treatment of collected groundwater ended on April 18, 2006, with approval for direct discharge by the City of Appleton. Collected groundwater is now discharged directly to the sanitary sewer system for treatment at the City of Appleton wastewater treatment facility.

On October 13, 2007, MCO discontinued operational responsibilities of the system. OMNNI began operational responsibilities on October 14, 2007, and maintained responsibility through September 30, 2011. Terracon assumed system operation responsibilities on October 1, 2011.

2.3 Site Description

The site is located within the City of Appleton limits in an area of mixed commercial, light industrial, and residential properties. The property is approximately one acre in size and triangular in shape (Figure 2 – Site Detail Map, Appendix A). Melvin Street borders the site to the north, a parking lot owned by Miller Electric and Manufacturing Company is on the west, and railroad tracks are on the southeast. Private residences are located north of Melvin Street and south of the railroad tracks. The former zinc building was located on the northeast portion of the property. The former chromium building was located on the southwest portion of the property. The current building onsite houses the treatment facility. Approximately half of the land immediately surrounding the site contains impervious structures or paved roads and parking areas.

2.4 Groundwater Collection System

The groundwater collection system consists of three trenches. The west trench crosses the Miller Electric property to the west of the site and is approximately 200 feet in length. The central trench runs south of the site parallel to the railroad and is approximately 280 feet in length. The southeast trench runs along Second and Outagamie streets and is approximately 600 feet in length (Figure 2 – Site Detail Map, Appendix A).

The groundwater treatment system was designed to capture groundwater containing contaminants at concentrations greater than 1992 Chapter NR 140, WAC preventive action limits (PALs) as approved in the ROD. The west trench and southeast trench were located outside the estimated extent of the groundwater contamination and are designed to prevent further migration

of groundwater contamination. The central trench was designed to collect contaminated groundwater and prevent further migration of the groundwater contamination off-site.

Groundwater enters the trenches based on the head differential between the local water table and the level maintained in the trench. The trenches are backfilled with coarse sand. A 6-inch perforated high-density polyethylene collection pipe in the bottom of the trench drains water from the trench to manholes where the water is collected and pumped to the groundwater treatment facility.

Under normal operation, water levels are maintained at or near the bottom of the trenches. The trenches can provide storage and continue to act as a hydraulic barrier until the water in the trenches rises to the level of the water table. This storage capacity allows the hydraulic barrier to continue even when the collection/treatment system needs to be shut down for repair or maintenance for a short period of time.

Three properties south and southeast of the facility have foundation drain systems that are connected to the groundwater collection system via gravity piping (801 S. Outagamie Street, 1410 W. Second Street, and 1414 W. Second Street). Additionally, the sump pump discharge at 1428 W. Second Street is connected to the collection system.

Groundwater collected in the west trench flows by gravity to Manhole 1 where the maximum depth of the manhole/trench extends approximately 32 feet below ground surface (fbgs). Groundwater in the central and southeast trenches flows by gravity to Manhole 2, where the maximum depth of the manhole/trench extends approximately 31 fbgs. Groundwater from the manholes is piped to the treatment facility (Figure 2 – Site Detail Map, Appendix A).

2.5 Groundwater Treatment System

From February 1997 through April 18, 2006, the treatment system operated in a manual batch system mode. The groundwater treatment system was designed to be a fully automated batch treatment process designed for control of total chromium. Each batch operation was capable of treating 2,700 gallons of influent groundwater and took approximately 6 hours to complete a cycle (i.e., from the start of filling the reaction tank to finishing the discharge to the City of Appleton sanitary system). The system was capable of treating 10,800 gallons in a 24-hour period.

Pumps located in the two manholes convey groundwater from the collection trenches into the storage tank. Float switches control water levels in the manholes. The pumps have a pumping capacity of approximately 43 gallons per minute (gpm) each.

A storage tank stores water from the collection system to provide equalization of the groundwater. The storage tank has a 9,000-gallon capacity. A top-mounted, turbine type, constant speed mixer,

for mixing the tank contents and keeping solids in suspension, is located on the tank. An ultrasonic level indicator monitors the water level in the tank. The water level of the storage tank is monitored by the programmable logic controller (PLC).

Prior to the start of direct discharge on April 18, 2006, the reaction tank feed pump transferred groundwater from the storage tank to the reaction tank. The reaction tank feed pump was an air-operated, double-diaphragm pump with an 86 gpm capacity. The reaction tank feed pump was sized to fill the reaction tank working volume (2,700 gallons) in approximately 30 minutes.

The reaction tank has a capacity of 6,100 gallons. The conical bottom of the tank allowed for the collection and transfer of sludge. The volume of water treated during a batch process was approximately 2,700 gallons. Chemical and physical processes for the groundwater treatment occurred in the reaction tank. The water was treated by batch process in the reaction tank as follows: decant, fill, ferrous sulfate addition, caustic addition, aeration, flocculation, settling, and sludge withdrawal.

The above systems were the primary parts in the treatment process. However, there were several other components necessary for the successful treatment of contaminated groundwater. They included a reaction tank mixer, reaction tank level detector, reaction tank air diffuser, reaction tank pH monitor, air compressor, ferrous sulfate feed system, caustic feed system, sludge transfer pump, sludge tank, and tanker truck feed pump. These components were monitored and/or controlled by the PLC in the master control panel. Only the tanker transfer pump and the air compressor were locally controlled. The system was designed to provide continuous batch process treatment, if required.

The master control panel includes failure annunciators, pH strip chart recorder, data access module, auto dialer, PLC system, and uninterruptible power supply. The master control panel also sounds an audible alarm if an upset in the process or a failure is detected.

Although the system was designed to be a fully automated batch treatment process, the City of Appleton industrial user permit formerly required treated groundwater to be tested for hexavalent chromium using a Hach hexavalent chromium test kit before discharge to the sanitary sewer system. The treatment system (batch treatment and manual discharge) met discharge permit conditions, but was labor intensive.

Groundwater brought into the treatment facility has contaminant concentrations below City of Appleton industrial user permit discharge limits. The WDNR received approval from the City of Appleton to perform direct discharge of untreated, collected groundwater beginning April 18, 2006, when influent meets discharge limits listed in the Appleton Industrial User (Wastewater Discharge) Permit No. 06-21. Since April 18, 2006, collected groundwater has been directly discharged without treatment to the City of Appleton sanitary sewer system.

The current Appleton Industrial User (Wastewater Discharge) permit was reissued on May 31, 2015 (Permit No. 15-21). The permit allows the continuation of groundwater direct discharge to the sanitary sewer as long as contaminant concentrations remain below discharge limits. Permit No. 15-21 expires at midnight, May 31, 2018.

2.6 Groundwater Monitoring Network

The groundwater monitoring wells (water table observation wells and piezometers) were designed to provide information on containment of the groundwater plume and on water quality at the site and adjacent residential properties. The monitoring network is comprised of eleven observation wells constructed during the RI and the remedial action (RA) activities (W-2, W-8, W-15, and MW-101 through MW-108), five observation wells (MW-109 through MW-113) installed in May 2006, and four piezometers (PZ5 through PZ8) installed in May 2005 to evaluate the remaining source area (Figure 2 – Site Detail Map, Appendix A). The following descriptions are reflective of static groundwater conditions; however, pumping from the manholes/trenches affects site conditions such that static conditions are usually not observed.

Observation wells W-2 and MW-108 are located up-gradient of the site to monitor background conditions.

Observation well MW-101, which is located west of the site, is used to monitor the effectiveness of the west trench.

Three down-gradient observation wells, MW-102, MW-103, and MW-104, are used to monitor changes in groundwater quality down-gradient of the central trench and to monitor hydraulic gradient control.

Four observation wells, W-8, W-15, MW-105, and MW-106, are used to monitor changes in groundwater quality outside of the southeast trench. Monitoring wells MW-106 and W-15 are also used to monitor hydraulic gradient control of the southeast trench.

Observation well MW-107 is used to provide source area groundwater quality data and hydraulic gradient information up-gradient of the central trench.

Five observation wells (MW-109 through MW-113) installed in May 2006 are located at former source areas identified during the RI. They are described as follows.

- MW-109 is located at the west edge of the former chromium building between two historical monitoring points (MW25R and MW26R) installed during the RI with significant concentrations of volatile organic compounds (VOCs) and chromium in groundwater.

- MW-110 is located on the north edge of the former chromium building adjacent to a nest of three historic monitoring points (MW17, MW18, and MW19) installed during the RI with significant concentrations of VOCs and chromium in groundwater.
- MW-111 is located near a historic monitoring point (MW13R) installed during the RI with significant concentrations of chromium in groundwater.
- MW-112 is located within the former zinc building at the edge of the former trough adjacent to an historic soil sample (SB3A) installed during the RI with significant concentrations of metals (cadmium, chromium, zinc, and cyanide) in soil.
- MW-113 is located on the southeast edge of the former chromium building adjacent to a nest of three historic monitoring points (MW14, MW15, and MW16) installed during the RI with significant concentrations of VOCs (MW14 only) and chromium in groundwater.

PZ5 and PZ6 are located on the north side of the central collection trench and PZ7 and PZ8 are located on the south side of the central collection trench to evaluate the vertical extent of groundwater contamination and verify vertical capture of the groundwater plume.

On May 10, 2004, four piezometers (PZ-01, PZ-02, PZ-03, and PZ-04) were removed. The bottoms of the piezometers were installed near the elevation of the collection trench piping and were within the trenches. The purpose of the piezometers was to determine whether the trenches were working properly. Since the trenches were functioning properly, the piezometers were abandoned.

3.0 INFLUENT/EFFLUENT MONITORING AND REPORTING

Prior to October 2012, effluent samples were collected at the Outfall 001¹ sample collection port. The discharge valve from the storage tank was closed, typically one to three days prior to sampling, depending on the anticipated groundwater infiltration into the collection system. The storage tank was allowed to accumulate pumped water until the sampling event, typically Thursday morning. The discharge valve was opened and water was allowed to discharge for approximately 5 minutes. The Outfall 001 sampling port was opened and approximately 10 gallons of water was allowed to discharge from the sampling port prior to collecting a sample.

¹ Outfall 001 is the point where the groundwater leaves the facility and enters the City of Appleton sanitary sewer system. There is currently only one outfall.

On October 19, 2012, system plumbing changes were completed to improve the sampling method. Terracon contracted Ogden Plumbing to replumb the system effluent line so that a greater volume of water was retained within the equalization tank and to install a sampling port on the equalization tank Outfall 001 discharge pipe. Due to the improvement in the system plumbing, Terracon now collects a composite effluent sample from the sampling port on the equalization tank Outfall 001 discharge pipe. Samples are typically collected the first Thursday of the month.

3.1 Monthly Monitoring and Reporting

During the monthly monitoring events for this reporting period, an unfiltered sample was collected from the equalization tank Outfall 001 sample port and analyzed for hexavalent chromium, and a filtered sample was collected from Outfall 001 and analyzed for total dissolved chromium. A pH value from the Outfall 001 sample was also determined on the samples collected by using an Oakton pHTestrs. Pace Analytical Services, Inc. (Pace) performed the laboratory analysis. Pace provided an electronic report of the analysis to Scott Hodgson, Terracon's project manager, and/or Chris Ingram, Terracon staff geologist, who emailed the report to Jennifer Borski, WDNR project manager. A summary of the laboratory analysis can be found in Table 1 – Influent and Effluent Summary, Appendix B.

During the monthly monitoring events, an unfiltered sample was collected from the Manhole 1 influent sampling port and from the Manhole 2 influent sampling port. The presence of hexavalent chromium was measured in the Manhole 1 and 2 influent samples using a Hach test kit, model Pocket Colorimeter II, and pH values were determined using an Oakton pHTestrs. The pounds of total chromium removed by the system each month is shown in Table 1.

Total flows from Outfall 001, from Manhole 1, and from Manhole 2 were recorded on an Operator Log Sheet during the monthly sample collection. Total flows from Outfall 001, from Manhole 1, and from Manhole 2 are also recorded periodically throughout the month (Table 1 – Influent and Effluent Summary, Appendix B). A monthly email message was sent to the City of Appleton Department of Utilities Environmental Programs Coordinator and the WDNR project manager with the total flow that was recorded from Outfall 001.

The WDNR project manager was provided with a monthly status report summarizing operation and maintenance at the site. The monthly status reports included Terracon's invoice for services from the previous 28-day period, a copy of subcontractor invoices paid during the month, a copy of the Operator Log Sheets, a copy of the Inspection Sheet, and a copy of Table 1 – Influent and Effluent Summary Quarterly Monitoring and Reporting.

3.2 Quarterly Monitoring and Reporting

A quarterly compliance report was submitted by email to the City of Appleton Department of Utilities Environmental Projects Coordinator, Brian Kreski, and the WDNR project manager, Jennifer Borski, on July 13, 2015 (Second Quarter 2015). The quarterly compliance report included total metered discharge readings, pH measurements, and laboratory analytic test reports.

3.3 Semi-Annual Monitoring and Reporting

The semi-annual reporting consists of this document, the Semi-Annual Operation and Maintenance Report, which is prepared for the WDNR project manager after receiving the laboratory data from the semi-annual groundwater sampling event. The Semi-Annual Operation and Maintenance Report includes the Operation, Maintenance, Monitoring and Optimization Reporting of Soil and Groundwater Remediation Systems, Form 4400-194 (see Form 4400-194, Appendix D).

4.0 COMPLIANCE SAMPLING

Compliance sampling of the groundwater effluent is conducted twice per year by the City of Appleton and once per year by Terracon. The sample is collected at the sampling port for Outfall 001. The effluent is analyzed for the parameters listed in Table 2 – City of Appleton Compliance Limits, Outfall 001, Appendix B. Compliance sampling was conducted by the City of Appleton on June 3, 2015, during this reporting period. The results from the June 3, 2015, sampling event indicated that there were no exceedances of the permit limits.

A summary of the City of Appleton's compliance sampling analysis and Terracon's annual compliance sampling analysis can be found in Table 2 – City of Appleton Compliance Limits, Outfall 001, Appendix B.

In addition to the sampling events listed above, and as described in Section 3.0, total chromium and hexavalent chromium are currently analyzed monthly for a sample collected from the Outfall 001 sampling port on the equalizer tank (Table 1 – Influent and Effluent Summary, Appendix B).

5.0 GROUNDWATER SAMPLING

5.1 Groundwater Sampling Procedures

Two adjustments to the original monitoring plan have been requested since 1997. On December 3, 1999, Jennifer Huffman with the WDNR requested an adjustment that included the following.

1. Elimination of quarterly sampling for copper, zinc, mercury, and cyanide at all site wells
2. Reduction in VOC sampling frequency from quarterly to annual
3. Elimination of weekly testing for total suspended solids on the treated effluent

EPA approved the 1999 request on January 18, 2000, except for continued cyanide sampling in monitoring wells MW-110, MW-11, and MW-112 and semi-annual VOC sampling rather than annual VOC sampling as requested.

On March 24, 2003, Jennifer Borski with the WDNR requested the following adjustment to the monitoring plan.

1. Elimination of quarterly cadmium sampling at all site wells
2. Reduction in the frequency from quarterly to annual sampling of manganese at all site wells
3. Reduction in the frequency from quarterly to annual sampling of total dissolved chromium at W-2, W-8, W-15, MW-101, MW-102, MW-105, MW-106, and MW-108
4. Elimination of annual VOC sampling at W-2, W-8, W-15, MW-101, MW-102, MW-103, MW-104, MW-105, MW-106, and MW-108

EPA approved the 2003 request on April 17, 2003.

There are 20 groundwater monitoring wells including 16 water table observation wells and 4 piezometers associated with the Mauthe remediation system (see Figure 2 – Site Detail Map, Appendix A).

Groundwater samples were collected during this reporting period on September 14, 2015. During the sampling event, groundwater elevations were measured in observation wells MW-103, MW-104, MW-107, and MW-109 through MW-113 prior to sampling. Historical groundwater elevations for the site are summarized in Table 3 – Groundwater Elevations, Appendix B, and presented graphically on Figure 3 – Groundwater Hydrographs, Appendix A. The groundwater elevation data from the observation wells was used to develop a groundwater contour map (Figure 4 – Groundwater Table Contour Map—September 2015, Appendix A). Groundwater flow was generally towards the collection trenches. The gradient immediately adjacent to the trenches is

very steep because the groundwater elevation in the trench, in general, is at the elevation of the sump high float level (approximately 25 feet below surface grade) and low-conductivity clay soils exist in the area. As a result, the complex flow pattern and steep gradient near the trenches cannot be accurately depicted at the required map scale. As such, Terracon has used professional judgment to depict the groundwater elevation near the trench as an accessory contour on Figure 4, placed to show the general flow pattern near the trenches.

Down-well tubing was installed in monitoring points to be sampled. A peristaltic pump was attached to the down-well tubing and the monitoring points were micro-purged using low-flow techniques before collecting the sample(s). The sampling process utilized a flow-through cell where probes measured temperature, conductivity, pH, dissolved oxygen, and oxidation/reduction potential in each well. Flow through the cell was maintained at approximately 200 milliliters per minute (mL/min), utilizing a resister to control pump flow. Purging proceeded until parameters were stable to within 10% for three consecutive readings taken a minimum of two minutes apart. Purged water from the monitoring points was collected, taken into the treatment building, dumped into the floor sump, and subsequently pumped into the equalizer tank to discharge to the Outfall 001 pipe leading to the City of Appleton sanitary sewer system.

Groundwater samples were collected for VOCs, total chromium, and cyanide in accordance with the site monitoring plan after the monitoring points were micro-purged as described above. In addition, as requested by WDNR monitoring wells monitoring wells MW-110, MW-111, MW-112, and MW-113 were sampled for hexavalent chromium (one-time basis). These wells were last sampled for hexavalent chromium in June 2006. Final temperature, conductivity (specific conductance), pH, dissolved oxygen, and oxidation/reduction potential were recorded just prior to sampling (see Table 4 – Groundwater Geochemical Parameters, Appendix B). The groundwater samples were collected in the order of VOC vials first (if applicable) and metal samples second. The chromium, manganese, and iron samples were field filtered with disposable 45-micron in-line filters. The cyanide samples were not filtered. The laboratory containers were supplied by Pace Analytical. The samples to be analyzed for VOCs were preserved with hydrochloric acid. The samples to be analyzed for (filtered) total chromium were preserved with nitric acid. The samples to be analyzed for total cyanide were preserved with sodium hydroxide. The samples were delivered to Pace Analytical Laboratory (Green Bay) by Terracon personnel.

The groundwater elevations, purged groundwater volume, field testing data, and sample collection time for each well were recorded on a Groundwater Sampling Field Sheet (see Groundwater Sampling Field Sheets, Appendix C).

5.2 Groundwater Sampling Results

During the September 2015 sampling event, field measurements were taken on groundwater samples collected from monitoring wells MW-103, MW-104, MW-107, and MW-109 through MW-

113 for temperature, conductivity (specific conductance), pH, dissolved oxygen, and oxidation/reduction potential. A summary of the final field measurements after stabilization are contained in Table 4 – Groundwater Geochemical Parameters, Appendix B.

Groundwater from observation wells MW-103, MW-104, MW-107, and MW-109 through MW-113 was analyzed for (filtered) total chromium. Upon direction of WDNR, groundwater from observation wells MW-110 through MW-113 was analyzed for hexavalent chromium for the first time since June 2006. Groundwater from observation wells MW-107 and MW-109 through MW-113 was also analyzed for VOCs and groundwater from observation wells MW-110 and MW-112 was analyzed for total cyanide.

The laboratory analytical results indicated that levels of (filtered) total chromium exceeded the 1992 NR 140, WAC, groundwater PALs² in samples from monitoring wells MW-103 (6.9 µg/L), MW-104 (5.0 µg/L), MW-107 (1,600 µg/L), MW-109 (889 µg/L), MW-110 (849 µg/L), MW-111 (582 µg/L), MW-112 (13,600 µg/L), and MW-113 (6,560 µg/L). The laboratory analytical results indicated that hexavalent chromium exceeded its 1992 NR 140, WAC, groundwater PAL in MW-110 (860 µg/L), MW-111 (660 µg/L), MW-112 (16,000 µg/L), and MW-113 (7,400 µg/L) at levels at or exceeding the total chromium concentrations, which suggests that the total chromium concentration consisted entirely of hexavalent chromium. The laboratory analytical results indicated that cyanide was detected in the sample from MW-112, but below its PAL (See Table 5 – Historical Groundwater Analytic Test Results -- Selected Metals, Appendix B, and laboratory report and chain-of-custody record, Appendix C). An isoconcentration map for (filtered) total chromium concentrations is shown on Figure 5 – Groundwater Table Total Chromium Isoconcentration Map—September 2015, Appendix A.

The laboratory analytical results indicate that levels of VOCs (at least one of the following parameters: 1,1-dichloroethene, cis-1,2-Dichloroethene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, and trichloroethene) exceed the 1992 NR 140, WAC, PALs in samples from monitoring wells MW-107 and MW-109 through MW-113 (see Table 6 – Historical Groundwater Analytic Test Results—Volatile Organic Compounds, Appendix B, and laboratory report and chain-of-custody record, Appendix C).

Groundwater hydrographs were prepared for monitoring wells MW-102, MW-103, MW-104, MW-107, MW-109, and MW-113 and are presented on Figure 3, Appendix A. Chromium concentration trend graphs were prepared for monitoring wells MW-103, MW-104, MW-107, and MW-109 through MW-113 and are presented as Figures 6 through 13, Appendix A. Chlorinated volatile

² “Chemical-specific ARARs are laws and requirements that regulate the release to the environment of materials having certain chemical or physical characteristics or materials containing specific chemical compounds... Therefore, the applicable groundwater remedial action goals at this site are the PALs.” – Record of Decision Summary, N.W. Mauthe Site, March 1994, pages 36-37.

organic compound (CVOC) concentration trend graphs for monitoring wells MW-107, MW-110, and MW-113 are presented as Figures 14 through 16, Appendix A.

6.0 ROUTINE OPERATION AND MAINTENANCE ACTIVITIES

Completed Operator Log Sheets and Inspection Sheets are kept on file at the facility. Copies of these forms were also sent to the WDNR project manager with the monthly status reports.

6.1 Monthly Operation and Maintenance Activities

On a monthly basis, either during the monthly sampling event of Outfall 001 or another time, the grounds, truck bay, office area, bathroom, treatment process area, and sample preparation area were inspected. The Inspection Sheet contains a listing of items to be checked during the monthly inspection.

During the monthly sampling, general inspection of the building, grounds, and treatment equipment was conducted. Monthly building and grounds inspections were performed in May, June, July, August, and September 2015. No new issues were observed.

A copy of the monthly inspection sheet was included with the corresponding monthly invoice status report.

6.2 Annual Operation and Maintenance Activities

There were no annual operation and maintenance activities performed during this reporting period. Typically the annual garage door inspection would have occurred during this reporting period; however, the work required based on the inspection performed during June 2014 had not yet been completed and therefore a new inspection was not conducted. We understand that it is the responsibility of the City of Appleton to have the work completed.

6.3 Periodic Operation and Maintenance Activities

The following operation and maintenance activities were performed on an as-needed basis during the reporting period.

1. The City of Appleton has taken over grounds maintenance at the N.W. Mauthe site through an intergovernmental agreement between the City of Appleton and WDNR. City staff provided lawn maintenance.

2. Outfall 001 flow meter/totalizer operation is checked during site visits. According to the factory representative, there are no operator performed calibration functions for the meter unless a hardware failure occurs.
3. General housekeeping activities included replacing cleaning supplies, bathroom supplies, and minor building components. General housekeeping activities also included keeping the facility and grounds clean and removing accumulated waste.

6.4 Significant Operation and Maintenance Activities

There were no significant system operation or maintenance activities conducted during this reporting period except as reported in Section 6.5 related to Emergency Operations and Shutdowns.

6.5 Emergency Operations and Shut Downs

- The storage tank has an ultrasonic water level sensor set at 10.5 feet in the tank. If water rises above this level, even instantaneously, the high-alarm is triggered and the pumps shut down. Once the water level recedes below the sensor, the pumps re-start even though the alarm may not have been cleared/reset. Previously on occasion, when the second pump kicked on after one pump has already been running raising the water level in the tank, water apparently splashed up above the sensor level and caused an alarm. This occurred multiple times during periods of snowmelt or precipitation events, which caused the pumps to run frequently. However, during this period the alarms became more frequent occurring whenever either of the pumps turned on. After clearing, the alarm would go off again as soon as a pump turned on. As such, Terracon worked with Faith Technologies (Faith) to perform diagnostic services in August and September 2015. It was determined during inspection and attempts to recalibrate, that the storage tank ultrasonic sensor was bad and needed to be replaced. Several options for replacement were presented to WDNR. WDNR chose to replace the bad sensor with a new ultrasonic level sensor rather than a different type of sensor. Terracon met Faith at the site on September, 29, 2015, to install and test the new ultrasonic sensor. Faith also reprogrammed the system to block the storage tank mixer malfunction alarm. Testing with a computer connected to the system indicated no apparent problems; however, the storage tank high level alarm went off again after leaving the site. Terracon theorized that there was a hidden connection in the program between the storage tank high level alarm and the reaction tank/sludge tank high levels. As such Terracon and Faith returned to the site on September 30, 2015, to verify conditions (there was no high level in the storage tank) and to block the process alarms, which appeared to already be turned off, to eliminate any possible

connection between the unused process alarms and the storage tank high level alarm. There has not been an alarm since September 30

7.0 FACILITY MEETINGS/REVIEWS

Jennifer Borski, WDNR project manager, has periodically communicated with the City of Appleton's Parks & Recreation Department to confirm the Cooperative Agreement conditions are being followed and the arrangement is still satisfactory to both parties. The existing Cooperative Agreement was renewed in May 2012.

Brian Kreski, City of Appleton, Department of Utilities Environmental Programs Coordinator, met with Terracon at the site for the annual facility inspection on August 5, 2015. No problems were noted.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the laboratory analysis from the September 14, 2015, sampling event indicate that the groundwater continues to exceed the 1992 NR 140, WAC, PALs for chromium and several VOCs.

The containment trenches appear to be operating as designed. The groundwater laboratory analysis and the groundwater elevations indicate that the groundwater plume is, in general, being controlled horizontally by the groundwater containment trenches.

Approximately 326,992 gallons of groundwater were extracted from the containment trenches from May 1, 2015, through September 30, 2015 (average 2,137 gallons per day). The groundwater was discharged to the City of Appleton sanitary sewer system under the Industrial User (Wastewater Discharge) Permit Number 15-21. There were no exceedances of the compliance limits during this reporting period.

Approximately 1.193 pounds of chromium were removed by the system during this reporting period.

Based on the laboratory analysis from the September 2015 semi-annual groundwater sampling event and the laboratory analysis from the Outfall 001 during the reporting period, Terracon recommends continued operation of the groundwater extraction system with direct discharge to the City of Appleton sanitary sewer system.

9.0 GENERAL COMMENTS

The analysis and opinions expressed in this report are based upon data obtained from the system operation and maintenance activities and laboratory chemical analyses at the indicated locations or from other information discussed in this report. This report does not reflect variations in subsurface stratigraphy, hydrogeology, and contaminant distribution that may occur across the site. Actual subsurface conditions may vary and may not become evident without further assessment.

This report was prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted environmental engineering practices. No warranties, express or implied are intended or made. In the event any changes in the nature or location of suspected sources of contamination as outlined in this report are observed, the conclusions and recommendations contained in this report shall not be valid unless these changes are reviewed and the opinions of this report are modified or verified in writing by Terracon.

10.0 CERTIFICATIONS

I, Blaine R. Schroyer, P.E., hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



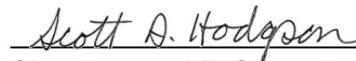
Signature and P.E. number

E-31505

Project Engineer
Title



I, Scott A. Hodgson, P.G., hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



Signature and P.G. number

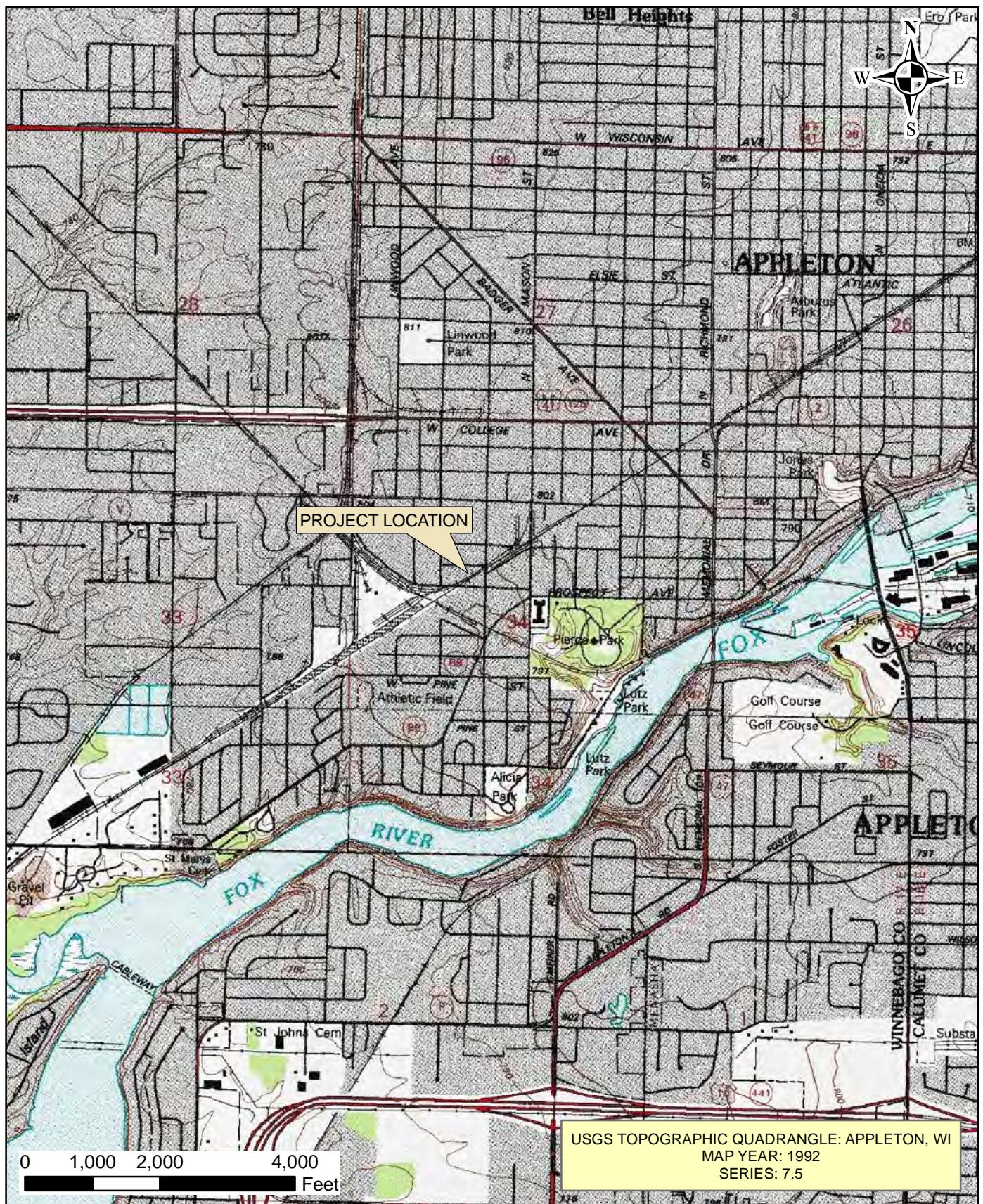
PG-1229

Date 11/17/15

Project Geologist
Title

Appendix A

Figures 1 to 16

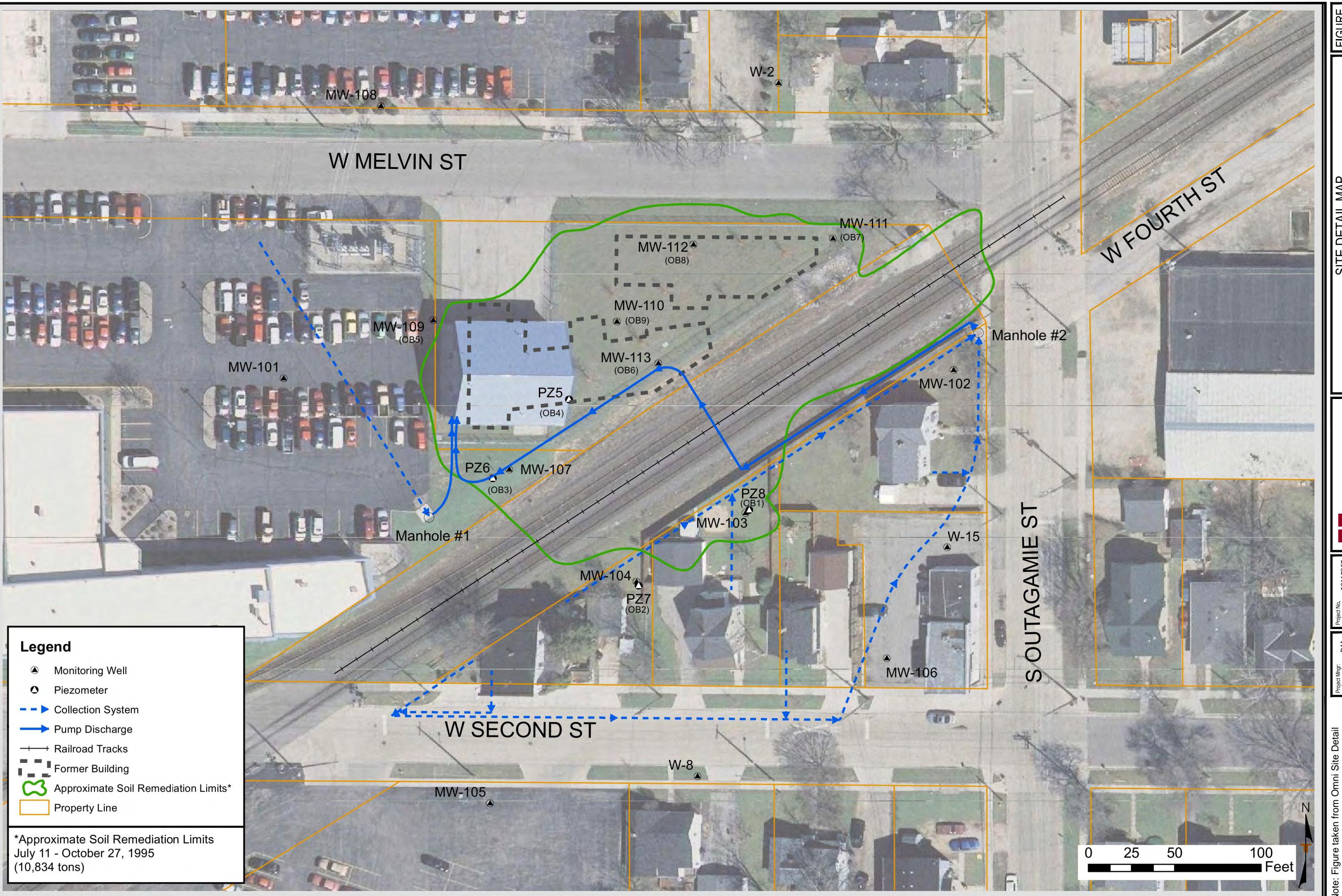


| | |
|---------------|------------|
| Project Mngr: | PAL |
| Drawn By: | LES |
| Checked By: | PAL |
| Project No: | 58117057 |
| Date: | 03/21/2012 |

Terracon
Consulting Engineers & Scientists
9856 South 57th Street Franklin, WI 53132
(414) 423 0255 (414) 423 0566

SITE LOCATION MAP
N.W. MAUTHE SITE
725 SOUTH OUTAGAMIE STREET
APPLETON WISCONSIN

FIGURE
1



| | |
|------------------|-------------------------------|
| Project No. | 58117057 |
| Scale: | 1:63,360 |
| Drawn By: | LES |
| Checked By: | |
| File No. | see 1055 MW Location Map/fig. |
| Date: | 03/20/2012 |
| Approved By: | PAL |
| Project Manager: | PAL |
| Drawn By: | As Shown |
| Checked By: | |
| File No. | see 1055 MW Location Map/fig. |
| Date: | 03/20/2012 |
| Approved By: | PAL |

Note: Figure taken from Omni Site Detail Map, January 2011

SITE DETAIL MAP
N.W. MAUTHE SITE
725 SOUTH OUTAGAMIE STREET

ATL
APPLIANCE

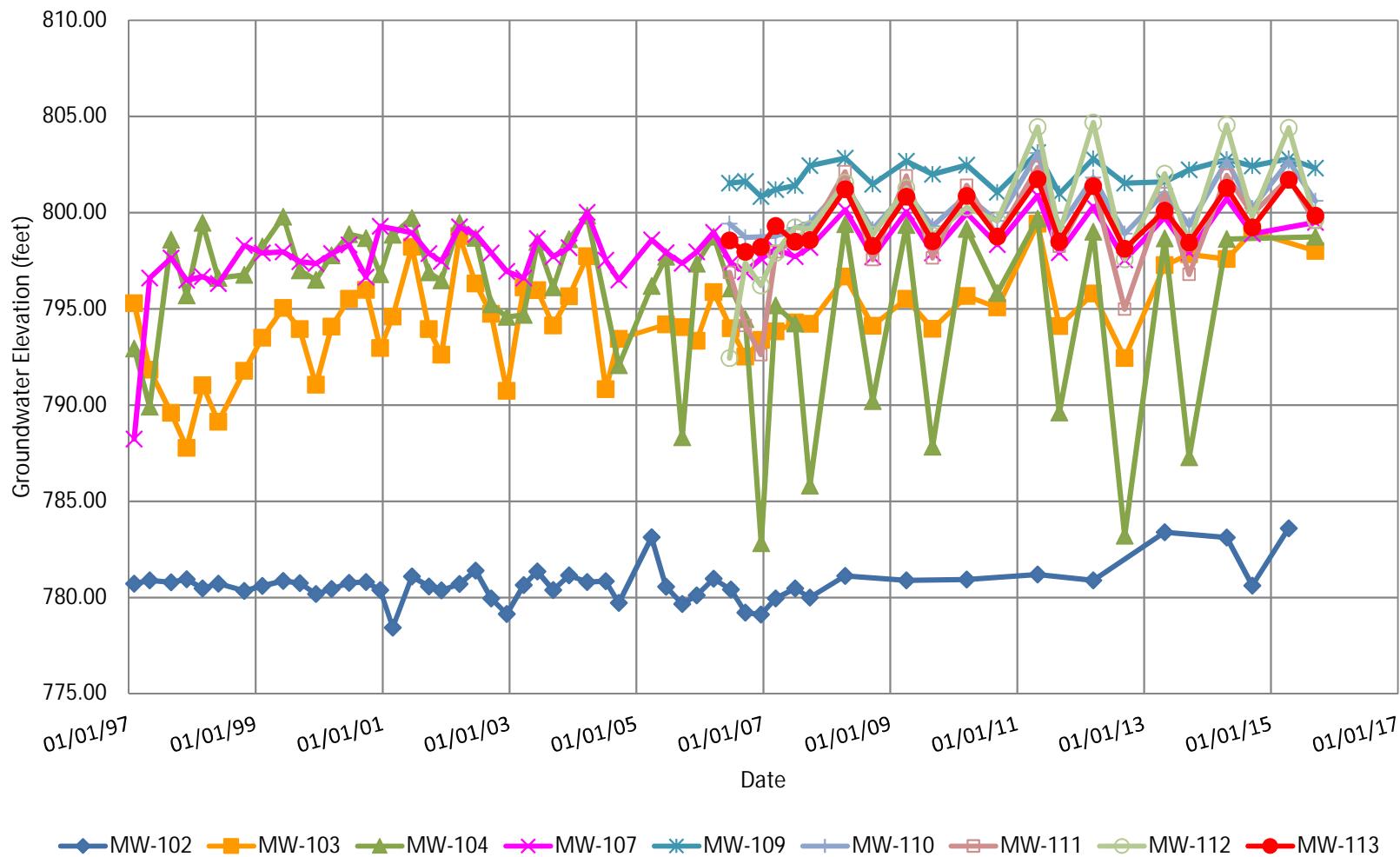
Terracon
Consulting Engineers and Scientists
Franklin, WI 53132
Fax: (414) 423-0566

FIGURE

2

WISCONSIN

FIGURE 3
Groundwater Hydrographs
N.W. Mauthe Superfund Site



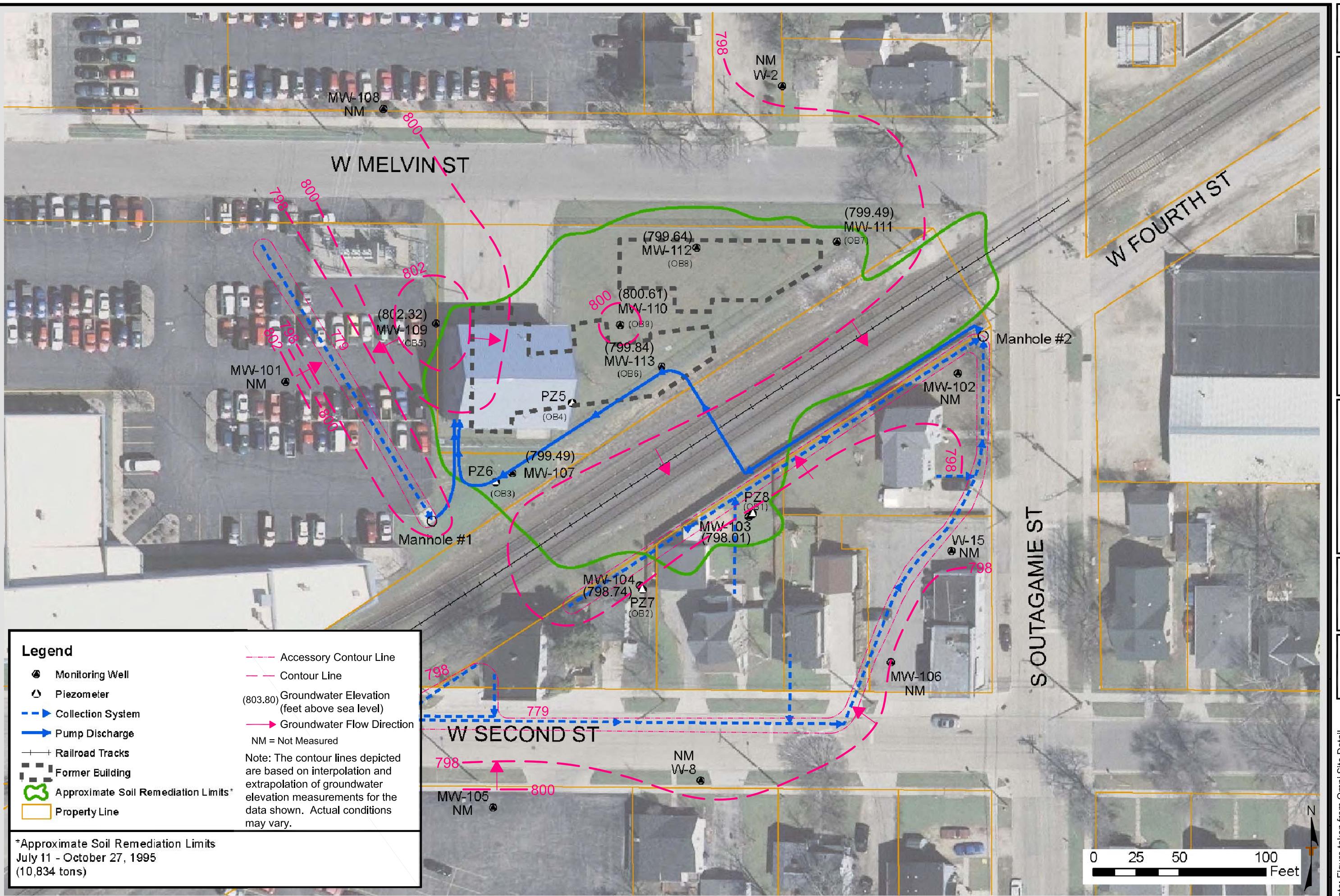


FIGURE 4

GROUNDWATER TABLE CONTOUR MAP - SEPTEMBER 2015

N.W. MAUTHE SITE
725 SOUTH OUTAGAMIE STREET
APPLETON

Terracon
Consulting Engineers and Scientists
9856 South 57th Street
Fond du Lac, WI 54937
Fax: (920) 927-2056
Ph: (920) 927-2056

| | |
|--------------|-----------|
| Project No. | 58117057 |
| Scale: | As Shown |
| Drawn By: | JMN |
| Checked By: | SAH |
| File No. | 58117057 |
| Approved By: | SAH |
| Date: | 9/24/2015 |

Note: Figure taken from Omni Site Detail Map, January 2011

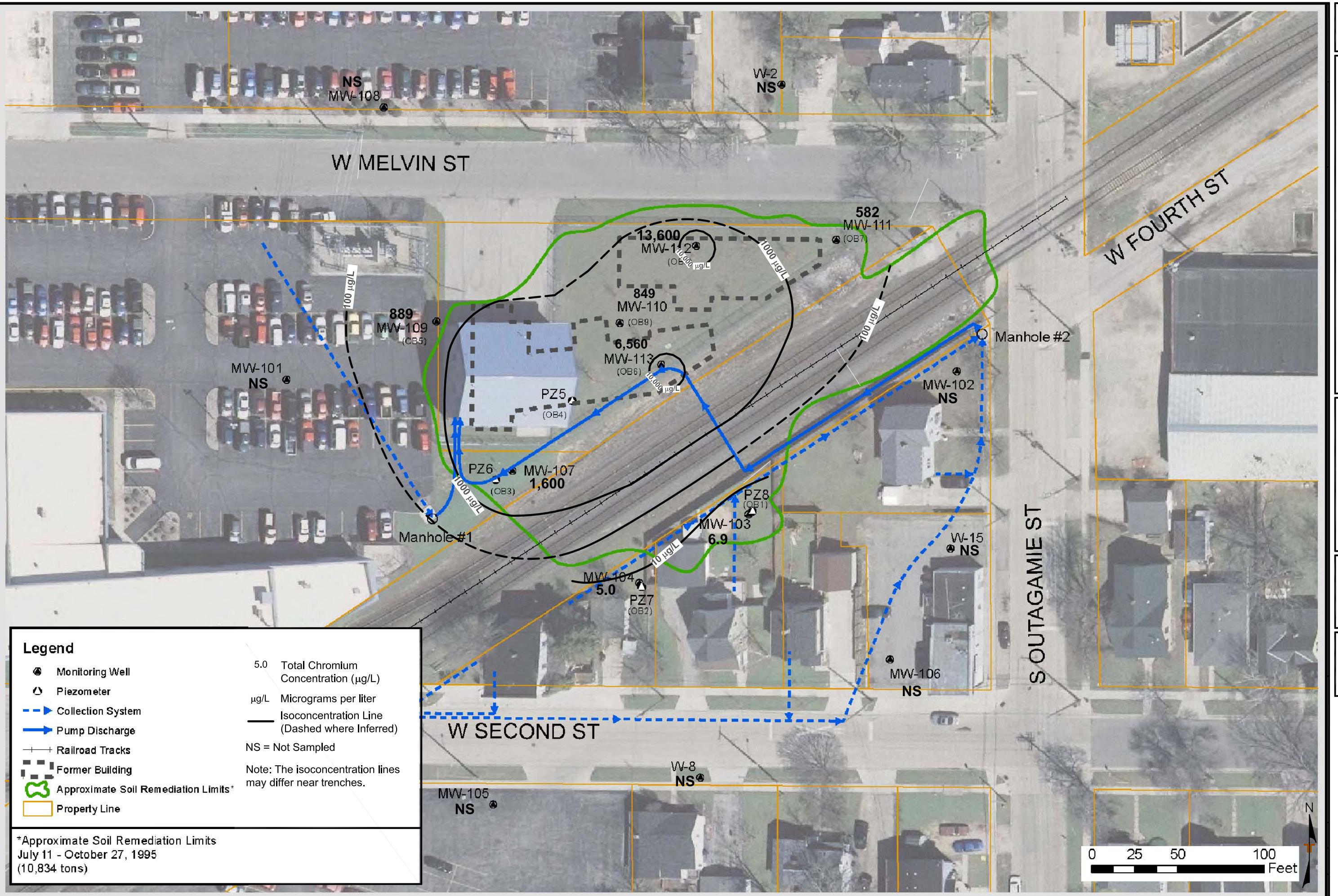


FIGURE 5
GROUNDWATER TOTAL CHROMIUM ISOCONCENTRATION MAP - SEPTEMBER 2015
N.W. MAUTHE SITE
725 SOUTH OUTAGAMIE STREET
APPLETON, WISCONSIN

Terracon
Consulting Engineers and Scientists
9856 South 57th Street
Fond du Lac, WI 54937
Fax: (414) 423-0566
Phone: (414) 423-0256

| | |
|--------------|------------|
| Project No. | 58117057 |
| Scale: | As Shown |
| Drawn By: | JMN |
| Checked By: | SAH |
| Approved By: | SAH |
| Date: | 10/20/2014 |

FIGURE 6
MW-103 Total Chromium Concentration Trends
N.W. Mauthe Superfund Site

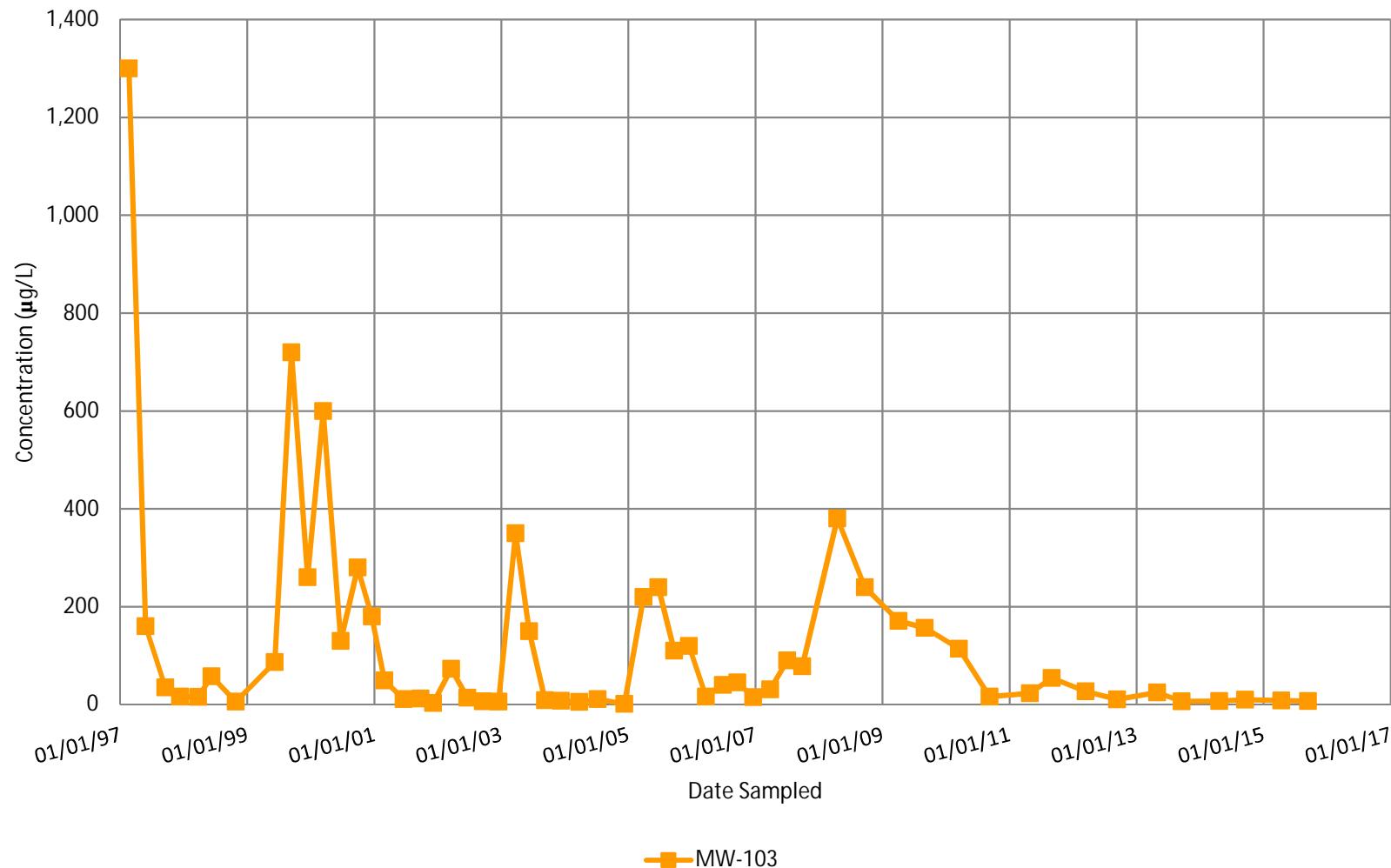


FIGURE 7
MW-104 Total Chromium Concentration Trends
N.W. Mauthe Superfund Site

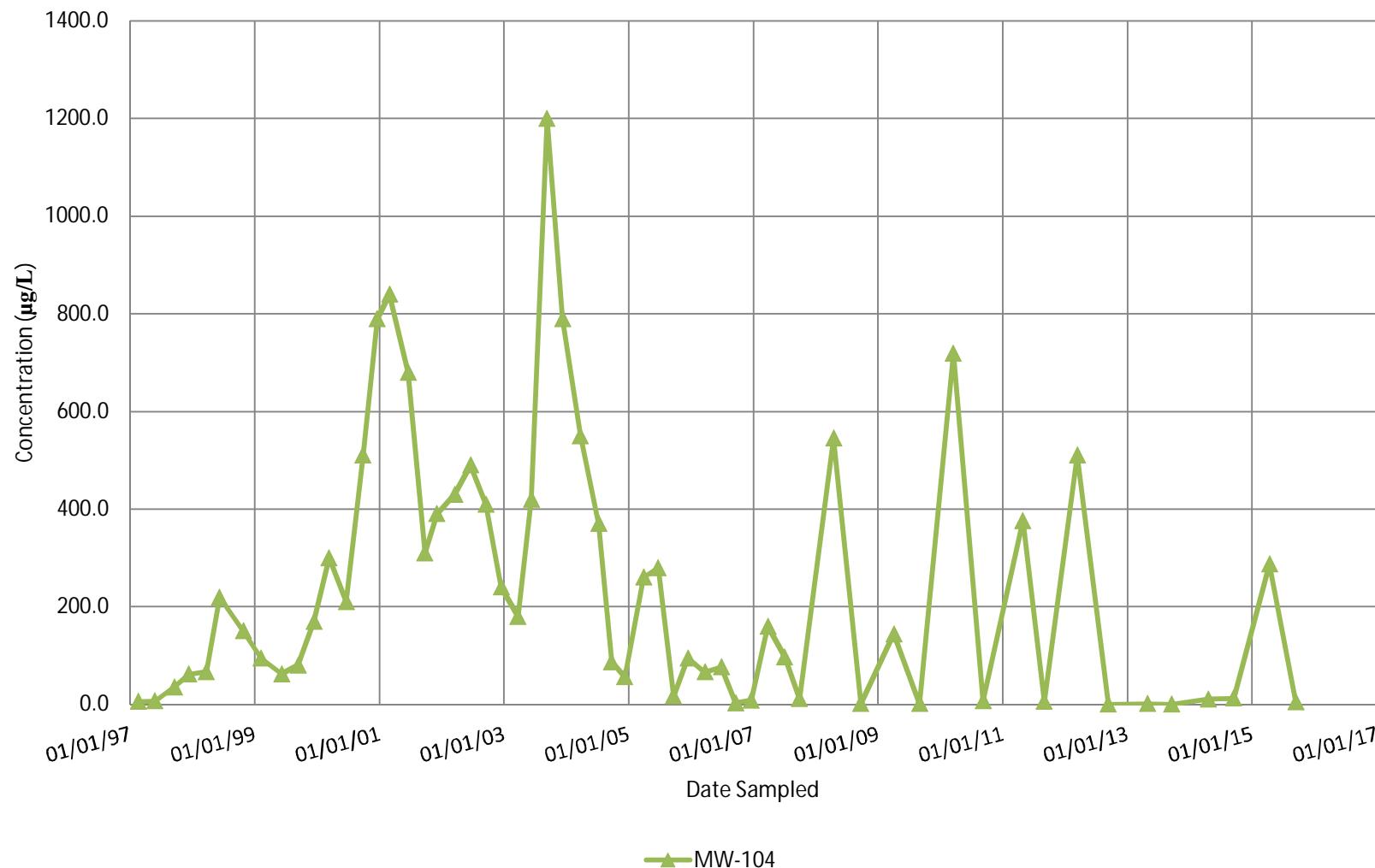


FIGURE 8
MW-107 Total Chromium Concentration Trends
N.W. Mauthe Superfund Site

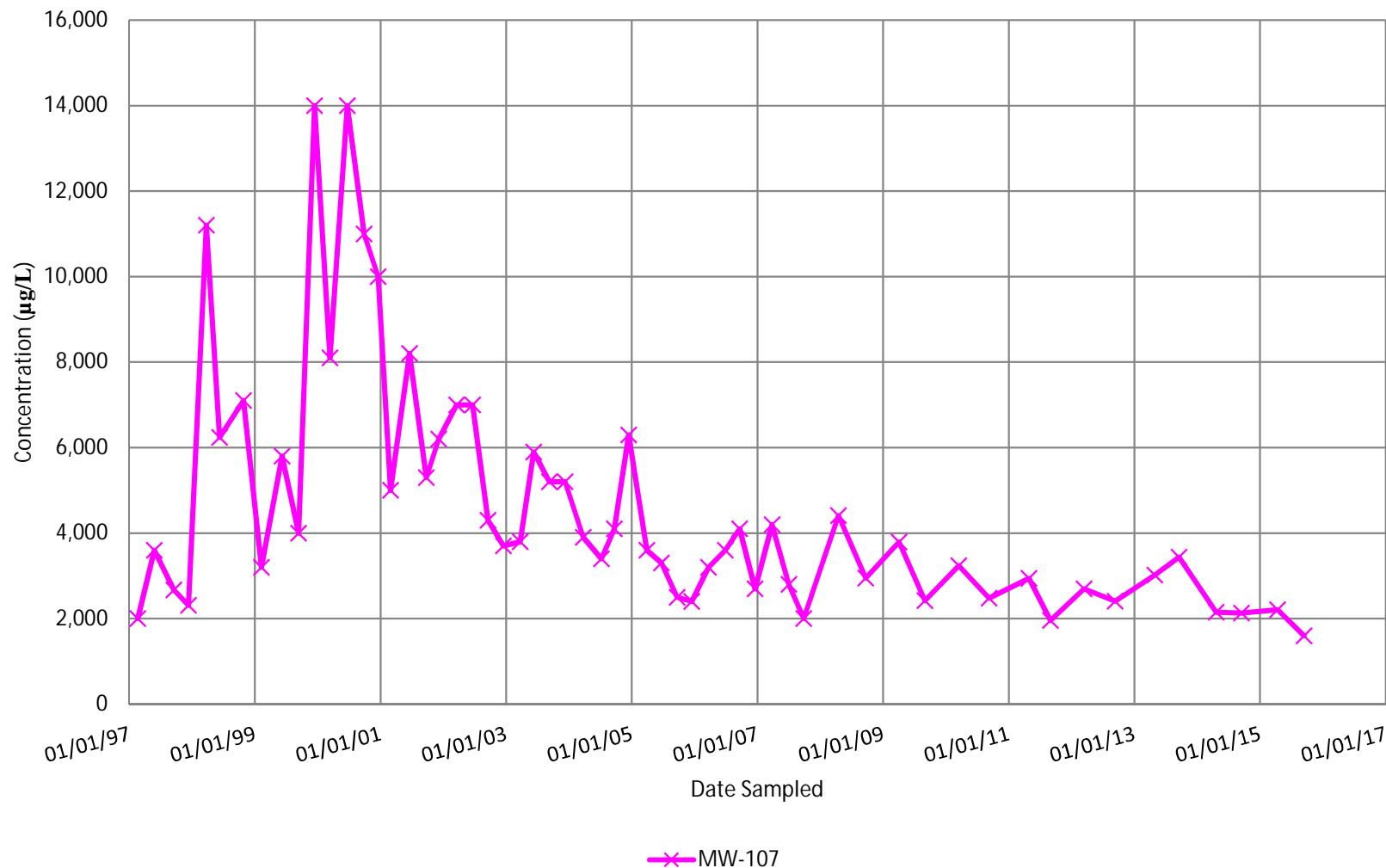


FIGURE 9
MW-109 Total Chromium Concentration Trends
N.W. Mauthe Superfund Site

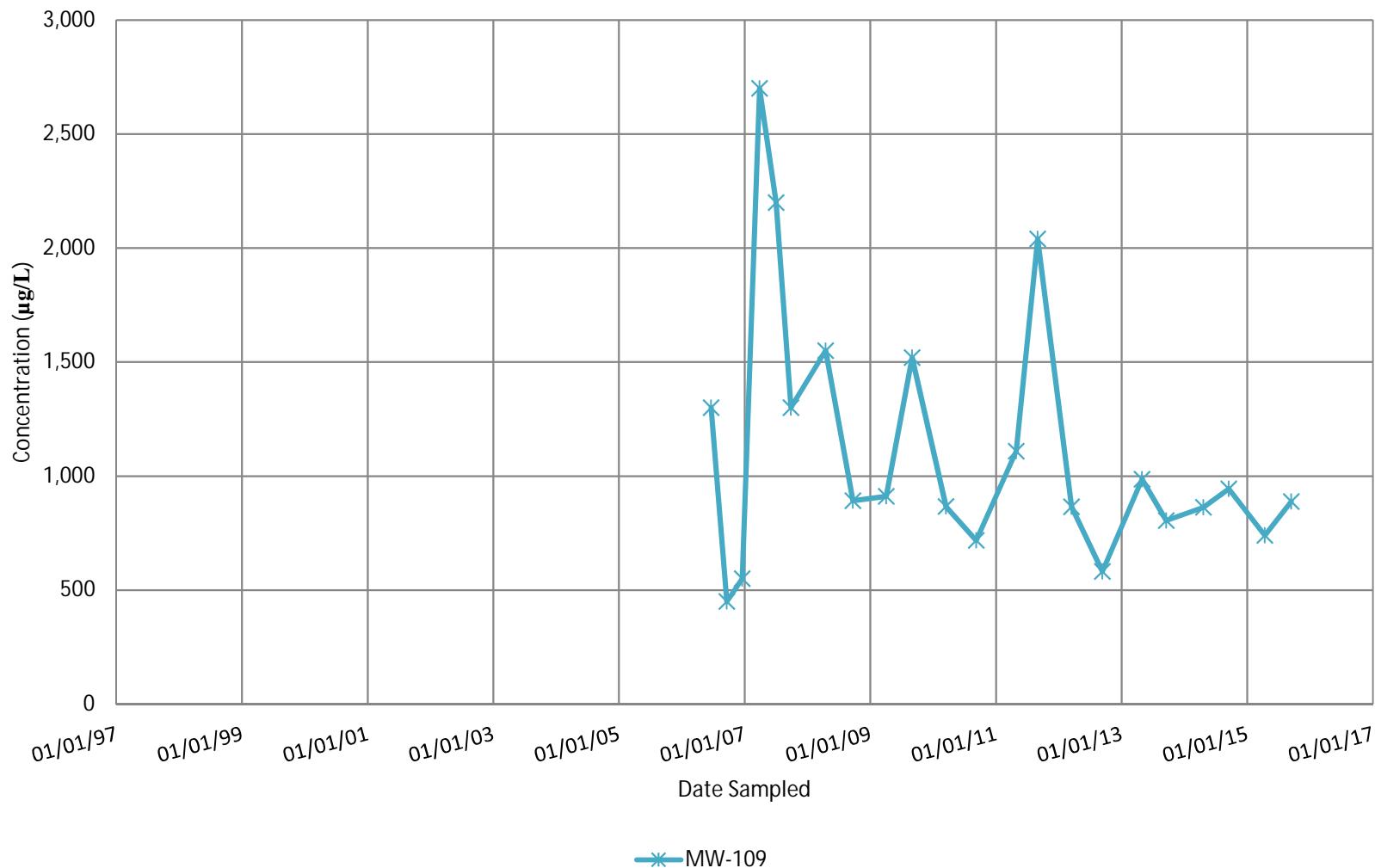


FIGURE 10
MW-110 Total Chromium Concentration Trends
N.W. Mauthe Superfund Site

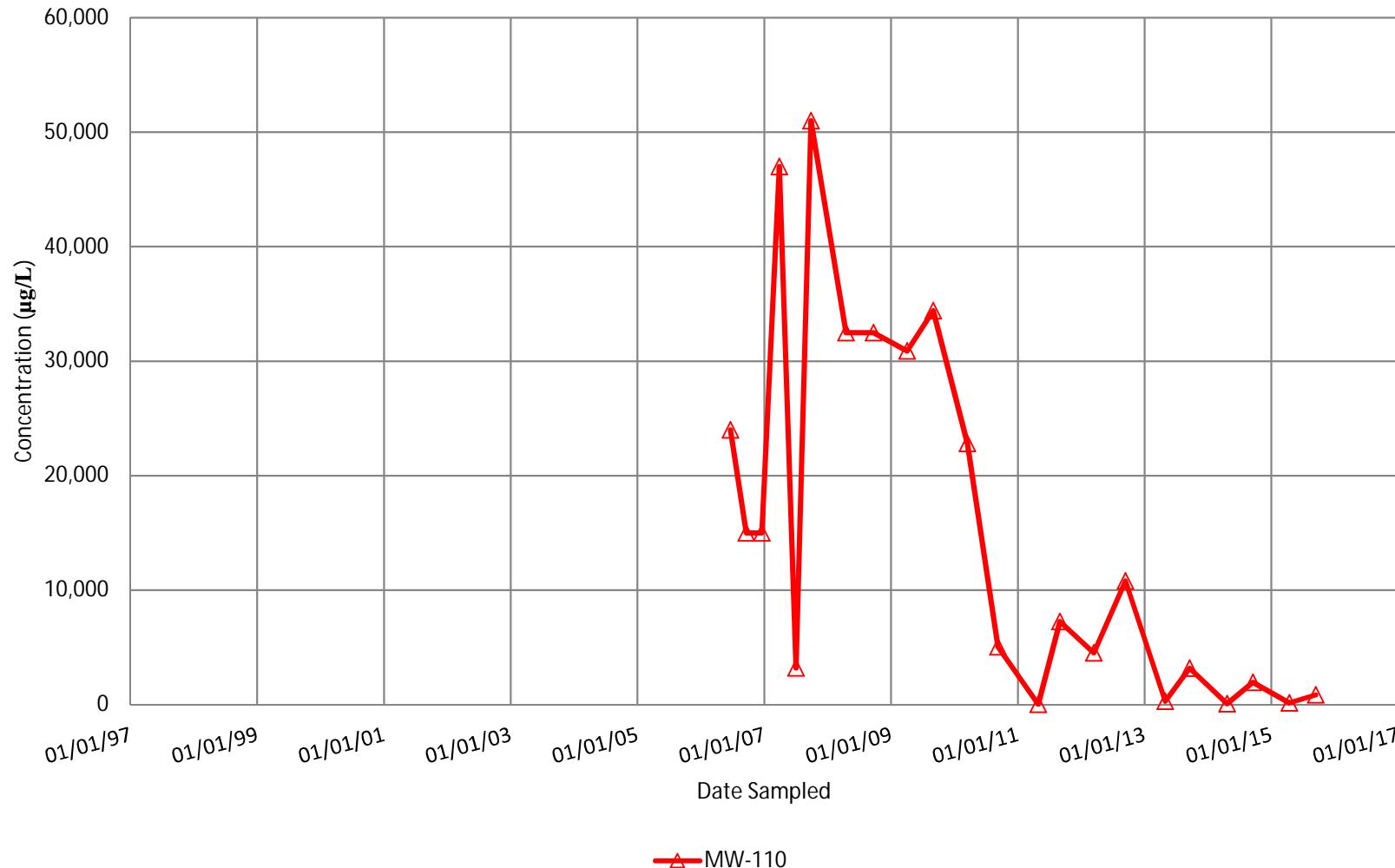


FIGURE 11
MW-111 Total Chromium Concentration Trends
N.W. Mauthe Superfund Site

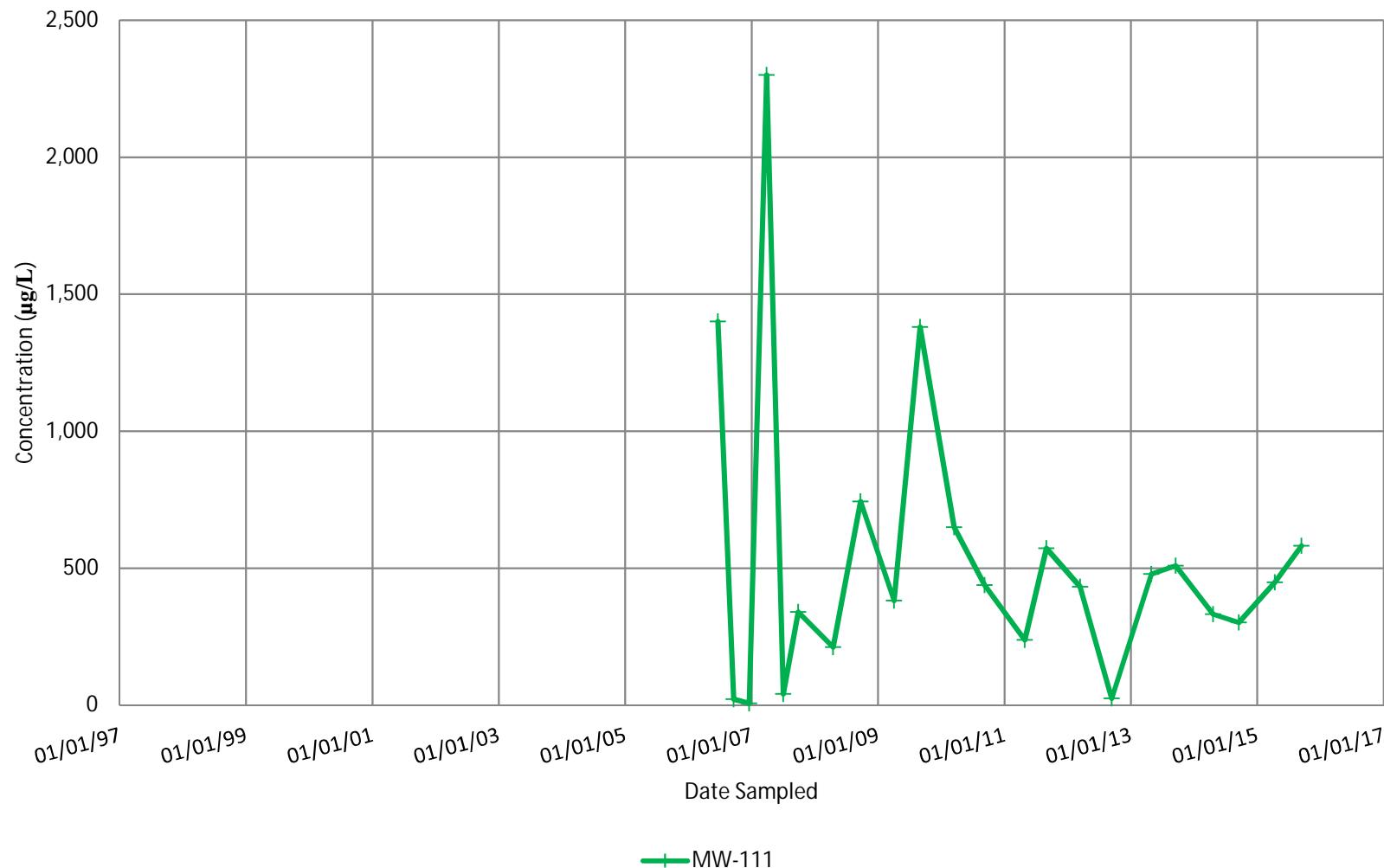


FIGURE 12
MW-112 Total Chromium Concentration Trends
N.W. Mauthe Superfund Site

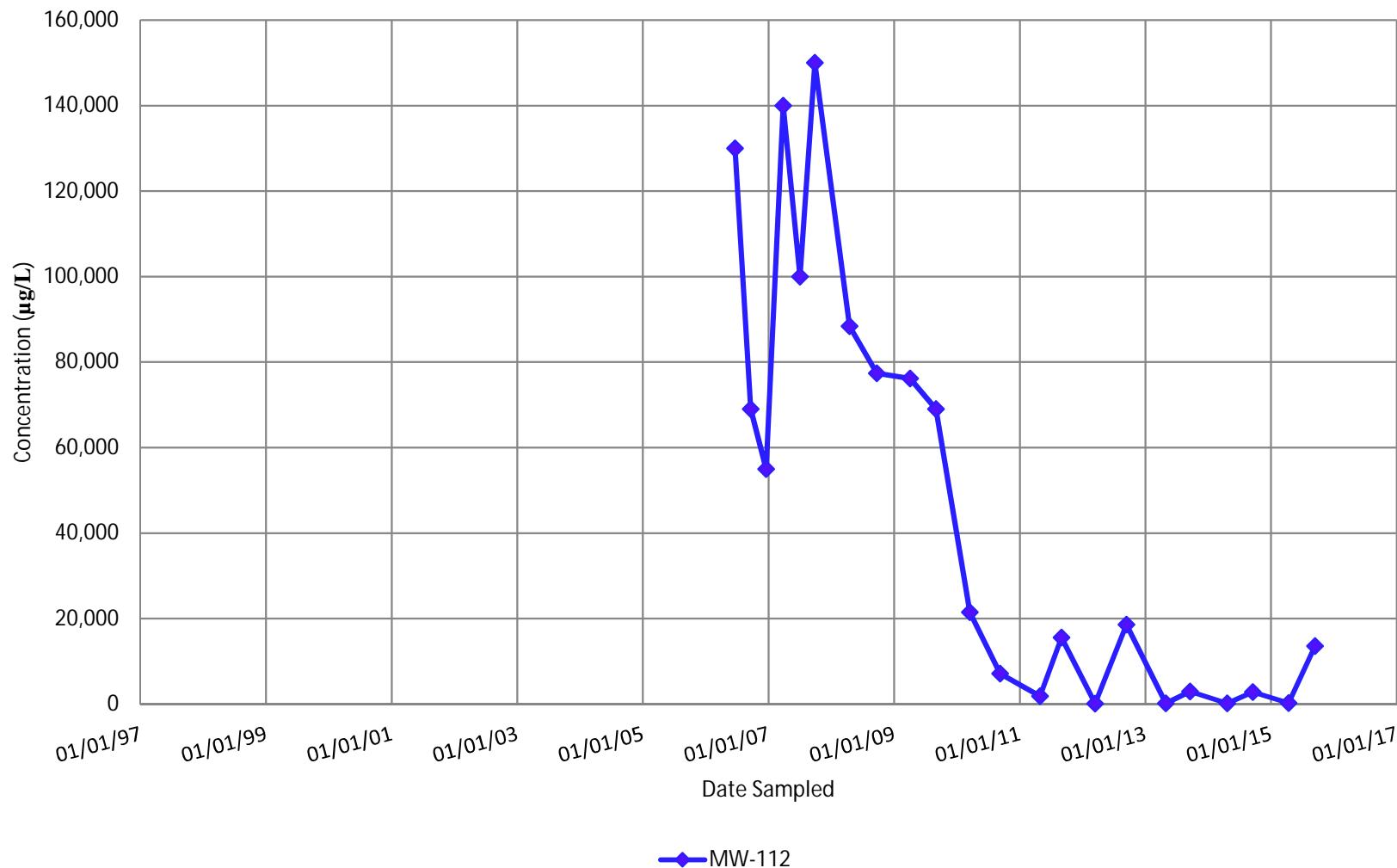


FIGURE 13
MW-113 Total Chromium Concentration Trends
N.W. Mauthe Superfund Site

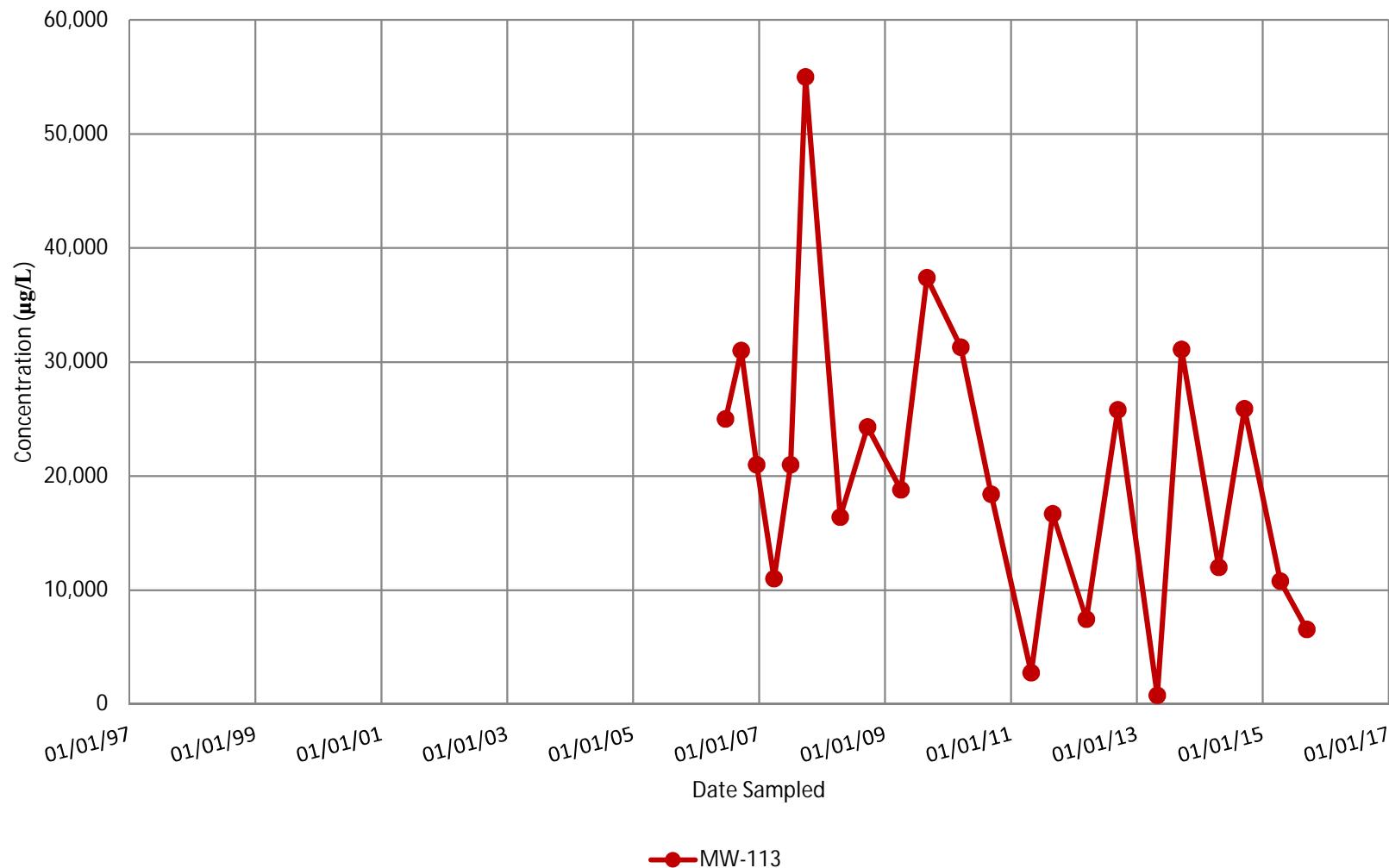


FIGURE 14
MW-107 CVOC Concentration Trends
N.W. Mauthe Superfund Site

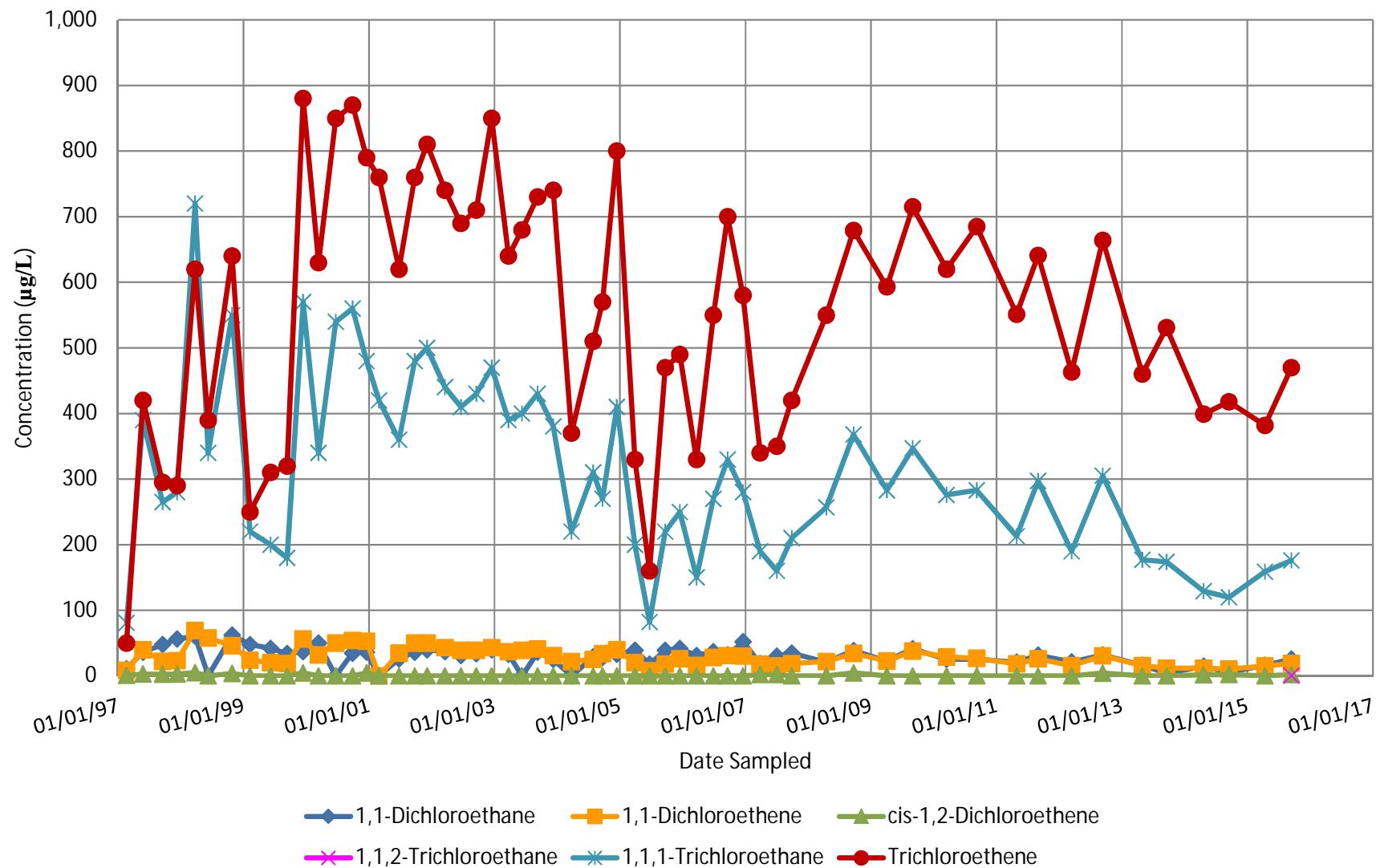


FIGURE 15
MW-110 CVOC Concentration Trends
N.W. Mauthe Superfund Site

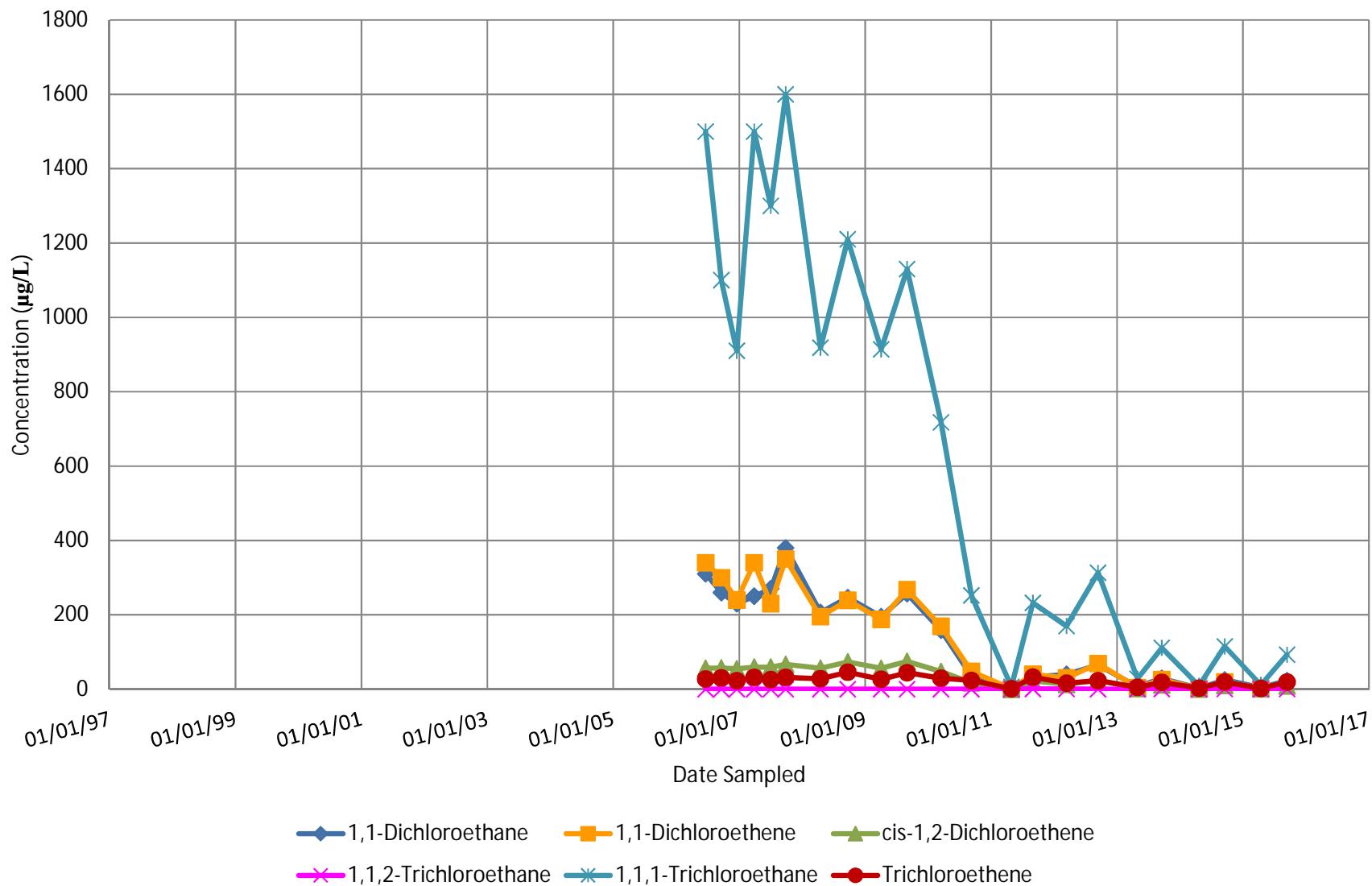
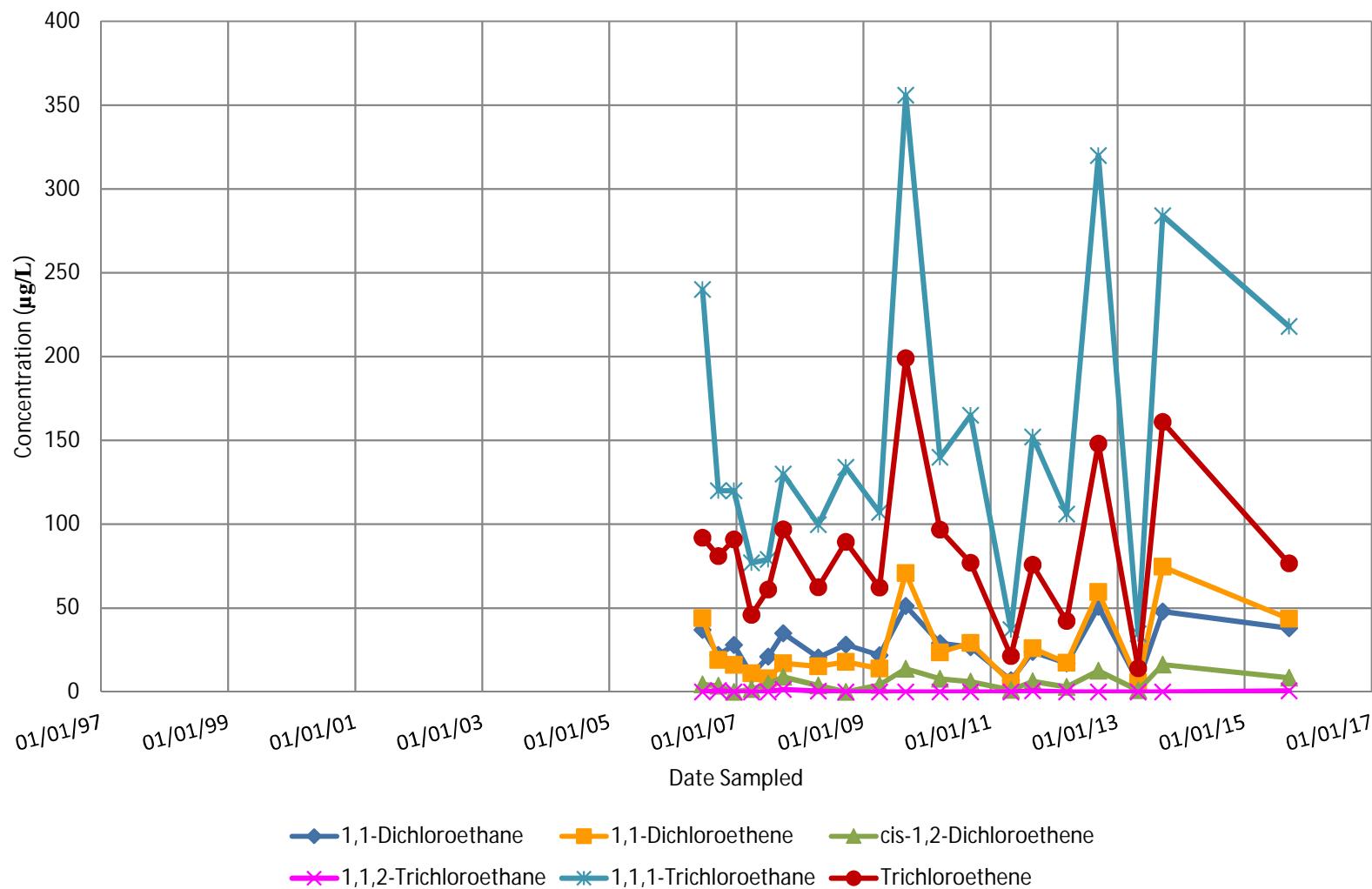


FIGURE 16
MW-113 CVOC Concentration Trends
N.W. Mauthe Superfund Site



Appendix B

Tables 1 to 6

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-------|--|---|-------------------|------------------------|------|--|-------------------|------------------------|------|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 | Flow Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 | Flow Reading (gallons) | pH |
| 09/25/07 | | 8,290,363 | | | | | | | | | | | | |
| | 10/01/07 | 8,300,685 | | | | | | | | | | | | |
| 10/01/07 | | 8,301,251 | 10,888 | | | | | | | | | | | |
| 10/02/07 | | 8,301,251 | 0 | 7.7 | | | | | | | | | | |
| 10/15/07 | | 8,324,675 | 23,424 | | | | | | | | | | | |
| 10/16/07 | | 8,324,675 | 0 | 7.4 | 1.700 | | | 6.93 | 3.9 | | 7.30 | 0.60 | | |
| 10/22/07 | | 8,355,957 | 31,282 | | | | | | | | | | | |
| 10/23/07 | | 8,355,957 | 0 | 7.5 | 1.500 | | | 7.04 | 3.75 | | NA | NA | | |
| 10/29/07 | | 8,370,413 | 14,456 | October | | | | | | | | | | |
| 10/30/07 | | 8,370,413 | 0 | 71,891 | 7.4 | 1.900 | | | NA | NA | | NA | NA | |
| | 11/01/07 | 8,372,575 | | | | | | | | | | | | |
| 11/05/07 | | 8,377,912 | 7,499 | | | | | | | | | | | |
| 11/06/07 | | 8,377,912 | 0 | November | 8.3 | 1.900 | 1.300 | | 7.8 | 4.30 | | 8.2 | 0.18 | |
| 11/16/07 | | 8,386,583 | 8,671 | 21,587 | | | | | | | | | | |
| | 12/01/07 | 8,394,162 | | | | | | | | | | | | |
| 12/03/07 | | 8,395,372 | 8,789 | | | | | | | | | | | |
| 12/04/07 | | 8,395,372 | 0 | 8.6 | 3.100 | 2.500 | | 8.4 | 4.60 | | 8.6 | 0.16 | | |
| 12/12/07 | | 8,399,522 | 4,150 | December | | | | | | | | | | |
| 12/21/07 | | 8,402,508 | 2,986 | 25,977 | | | | | | | | | | |
| | 01/01/08 | 8,420,139 | | | | | | | | | | | | |
| 01/01/08 | | 8,420,868 | 18,360 | | | | | | | | | | | |
| 01/02/08 | | 8,420,868 | 0 | 8.7 | 1.300 | 1.200 | | 8.4 | 4.50 | | 8.7 | 0.62 | | |
| 01/02/08 | | 8,421,628 | 760 | | | | | | | | | | | |
| 01/10/08 | | 8,459,333 | 37,705 | | | | | | | | | | | |
| 01/15/08 | | 8,479,244 | 19,911 | January | | | | | | | | | | |
| 01/25/08 | | 8,497,063 | 17,819 | 84,612 | | | | | | | | | | |
| | 02/01/08 | 8,504,750 | | | | | | | | | | | | |
| 02/01/08 | | 8,505,562 | 8,499 | | | | | | | | | | | |
| 02/03/08 | | 8,507,408 | 1,846 | February | | | | | | | | | | |
| 02/04/08 | | 8,507,408 | 0 | 22,861 | 8.9 | 1.700 | 1.600 | | 8.7 | 2.60 | | 8.8 | 0.70 | |
| | 03/01/08 | 8,527,611 | | | | | | | | | | | | |
| 03/02/08 | | 8,528,931 | 21,523 | March | 9.0 | 2.9 | 2.500 | | 8.7 | 3.60 | | 8.8 | 2.50 | |
| 03/31/08 | | 8,653,211 | 124,280 | 128,713 | | | | | | | | | | |
| | 04/01/08 | 8,656,324 | | | | | | | | | | | | |
| 04/01/08 | | 8,657,629 | 4,418 | | 9.0 | 1.6 | 1.530 | | 8.7 | 1.60 | | 8.9 | 1.45 | |
| 04/01/08 | | 8,661,298 | 3,669 | | | | | | | | | | | |
| 04/04/08 | | 8,682,788 | 21,490 | | | | | | | | | | | |
| 04/07/08 | | 8,697,084 | 14,296 | | | | | | | | | | | |
| 04/08/08 | | 8,697,084 | 0 | 9.1 | 0.063 | | | | 8.7 | 1.40 | | 8.9 | 0.54 | |
| 04/14/08 | | 8,790,128 | 93,044 | | | | | | | | | | | |
| 04/15/08 | | 8,790,128 | 0 | 9.1 | 0.36 | | | | 8.7 | 0.90 | | 8.8 | 0.17 | |
| 04/15/08 | | 8,797,710 | 7,582 | | | | | Installed | | | Installed | | | |
| 04/16/08 | | 8,804,525 | 6,815 | | | | | | 1,074 | | | 2,804 | | |
| 04/16/08 | | 8,806,972 | 2,447 | | | | | | 1,589 | | | 3,661 | | |
| 04/21/08 | | 8,826,834 | 19,862 | | | | | | 5,176 | | | 11,176 | | |
| 04/22/08 | | 8,826,834 | 0 | 9.1 | 0.87 | | | | 5,649 | 8.8 | 0.95 | 12,292 | 8.9 | 0.55 |
| 04/28/08 | | 8,860,276 | 33,442 | April | | | | | 13,291 | | | 36,802 | | |
| 04/29/08 | | 8,860,276 | 0 | 212,193 | 9.1 | 0.51 | | | 14,721 | 8.8 | 0.96 | 40,534 | 9.1 | 0.43 |
| | 05/01/08 | 8,868,517 | | | | | | | | | | | | |
| 05/05/08 | | 8,890,994 | 30,718 | | | | | | 22,372 | | | 59,203 | | |
| 05/06/08 | | 8,890,994 | 0 | 9.1 | 0.95 | 0.679 | | | 22,844 | 8.7 | 1.14 | 60,259 | 8.8 | 0.62 |
| 05/12/08 | | 8,907,573 | 16,579 | | | | | | 28,018 | | | 70,853 | | |
| 05/13/08 | | 8,907,573 | 0 | 9.2 | 0.69 | | | | 28,487 | 8.8 | 1.00 | 71,555 | 9.0 | 0.34 |
| 05/19/08 | | 8,920,045 | 12,472 | | | | | | 32,756 | | | 79,328 | | |
| 05/20/08 | | 8,920,045 | 0 | 9.1 | 0.74 | | | | 33,225 | 8.8 | 0.96 | 80,376 | 8.9 | 0.27 |
| 05/26/08 | | 8,929,582 | 9,537 | May | | | | | 36,557 | | | 85,277 | | |
| 05/27/08 | | 8,929,582 | 0 | 66,866 | 9.0 | 0.60 | | | 37,025 | 8.9 | 1.04 | 85,979 | 8.9 | 0.16 |
| | 06/01/08 | 8,935,384 | | | | | | | | | | | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|---|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| 06/02/08 | | 8,936,965 | 7,383 | | | | | 39,411 | | | 90,202 | | |
| 06/03/08 | | 8,936,965 | 0 | | 9.3 | 0.90 | 0.824 | 39,876 | 9.0 | 1.06 | 90,901 | 9.0 | 0.54 |
| 06/09/08 | | 8,951,078 | 14,113 | | | | | 43,187 | | | 101,102 | | |
| 06/10/08 | | 8,951,078 | 0 | | 9.2 | 0.85 | | 44,118 | 9.0 | 1.53 | 106,505 | 9.0 | 0.38 |
| 06/11/08 | | 8,960,258 | 9,180 | | | | | 45,176 | | | 112,396 | | |
| 06/16/08 | | 8,999,813 | 39,555 | | | | | 52,865 | | | 140,673 | | |
| 06/16/08 | | 8,999,813 | 0 | | | | | 52,865 | | | 141,398 | | |
| 06/17/08 | | 8,999,813 | 0 | | 9.2 | 1.4 | | 53,808 | 9.1 | 3.40 | 143,560 | 9.1 | 0.33 |
| 06/18/08 | | 9,007,718 | 7,905 | | | | | 54,790 | | | 146,825 | | |
| 06/23/08 | | 9,016,923 | 9,205 | | | | | 57,605 | | | 153,557 | | |
| 06/24/08 | | 9,016,923 | 0 | | 9.3 | 0.20 | | 58,074 | 9.1 | 2.50 | 154,613 | 9.0 | 0.14 |
| 06/30/08 | | 9,026,850 | 9,927 | June | | | | 61,392 | | | 160,227 | | |
| 06/30/08 | | 9,026,850 | 0 | 91,466 | | | | 61,392 | | | 160,573 | | |
| 07/01/08 | 9,026,850 | | | | | | | | | | | | |
| 07/01/08 | | 9,026,850 | 0 | | 9.3 | 1.4 | 1.290 | 61,861 | 9.0 | 2.45 | 161,266 | 9.1 | 0.58 |
| 07/07/08 | | 9,035,952 | 9,102 | | | | | 64,701 | | | 166,481 | | |
| 07/08/08 | | 9,035,952 | 0 | | 9.4 | 1.2 | | 65,168 | 9.1 | 1.90 | 167,518 | 9.2 | 1.05 |
| 07/10/08 | | 9,041,071 | 5,119 | | | | | 66,138 | | | 170,315 | | |
| 07/14/08 | | 9,054,932 | 13,861 | | | | | 68,973 | | | 182,057 | | |
| 07/15/08 | | 9,054,932 | 0 | | 9.4 | 0.82 | | 69,444 | 9.0 | 1.80 | 184,517 | 9.2 | 0.54 |
| 07/21/08 | | 9,083,663 | 28,731 | | | | | 74,198 | | | 206,929 | | |
| 07/22/08 | | 9,083,663 | 0 | | 9.4 | 0.74 | | 75,898 | 9.2 | 2.52 | 211,453 | 9.2 | 0.31 |
| 07/25/08 | | 9,114,297 | 30,634 | | | | | 81,242 | | | 230,374 | | |
| 07/28/08 | | 9,121,075 | 6,778 | | | | | 83,136 | | | 235,668 | | |
| 07/29/08 | | 9,121,075 | 0 | | 7.4 | 0.70 | | 83,609 | 7.2 | 3.30 | 237,073 | 7.2 | 0.30 |
| 07/29/08 | | 9,123,409 | 2,334 | July | | | | 83,646 | | | 237,455 | | |
| 08/01/08 | 9,127,730 | | 100,880 | | | | | | | | | | |
| 08/04/08 | | 9,137,140 | 13,731 | | | | | 87,426 | | | 248,221 | | |
| 08/05/08 | | 9,137,140 | 0 | | 7.6 | 1.30 | 1.260 | 87,426 | 7.2 | 2.72 | 250,342 | 7.2 | 0.41 |
| 08/05/08 | | 9,141,581 | 4,441 | | | | | 87,938 | | | 252,120 | | |
| 08/09/08 | | 9,151,886 | 10,305 | | | | | 90,785 | | | 260,213 | | |
| 08/11/08 | | 9,154,723 | 2,837 | | | | | 91,732 | | | 262,298 | | |
| 08/12/08 | | 9,154,723 | 0 | | 7.5 | 1.2 | | 92,206 | 7.2 | 2.45 | 263,337 | 7.3 | 0.25 |
| 08/13/08 | | 9,157,388 | 2,665 | | | | | 92,710 | | | 264,058 | | |
| 08/18/08 | | 9,162,704 | 5,316 | | | | | 94,604 | | | 267,897 | | |
| 08/19/08 | | 9,162,704 | 0 | | 7.5 | 0.98 | | 95,077 | 7.2 | 2.08 | 268,595 | 7.2 | 0.20 |
| 08/19/08 | | 9,163,932 | 1,228 | | | | | 95,106 | | | 268,623 | | |
| 08/21/08 | | 9,166,109 | 2,177 | | | | | 96,049 | | | 270,020 | | |
| 08/24/08 | | 9,168,274 | 2,165 | | | | | 96,993 | | | 271,417 | | |
| 08/26/08 | | 9,168,274 | 0 | August | 7.5 | 1.1 | | 97,465 | 7.1 | 2.25 | 272,112 | 7.1 | 0.22 |
| 09/01/08 | 9,173,323 | | 45,593 | | | | | | | | 274,587 | | |
| 09/01/08 | | 9,173,586 | 5,312 | | | | | 99,390 | | | 274,936 | 7.3 | 0.21 |
| 09/02/08 | | 9,173,586 | 0 | | 7.6 | 1.4 | 1.290 | 99,863 | 7.3 | 2.50 | 274,962 | | |
| 09/02/08 | | 9,174,445 | 859 | | | | | 99,894 | | | 276,718 | | |
| 09/06/08 | | 9,176,960 | 2,515 | | | | | 100,837 | | | 277,071 | 7.3 | 0.16 |
| 09/08/08 | | 9,176,960 | 0 | | 7.5 | 1.3 | | 101,310 | 7.2 | 2.25 | 279,911 | | |
| 09/15/08 | | 9,182,218 | 5,258 | | | | | 103,257 | | | 280,611 | 7.6 | 0.37 |
| 09/16/08 | | 9,182,218 | 0 | | 7.6 | 1.3 | | 103,731 | 7.3 | 2.60 | 281,689 | | |
| 09/18/08 | | 9,185,245 | 3,027 | | | | | 104,715 | | | 283,095 | | |
| 09/22/08 | | 9,187,538 | 2,293 | | | | | 105,663 | | | 285,589 | | |
| 09/23/08 | | 9,187,538 | 0 | | 7.5 | 1.6 | | 106,137 | 7.3 | 3.05 | 285,942 | 7.4 | 0.17 |
| 09/28/08 | | 9,191,553 | 4,015 | | | | | 107,560 | | | | | |
| 09/30/08 | | 9,191,553 | 0 | September | 7.6 | 1.8 | | 108,035 | 7.4 | 3.70 | 285,942 | 7.4 | 0.18 |
| 10/01/08 | 9,192,867 | | 19,545 | | | | | | | | | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|---|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| 10/05/08 | | 9,195,280 | 3,727 | | | | | 109,500 | | | 287,383 | | |
| 10/07/08 | | 9,195,280 | 0 | | 7.7 | 2.2 | 2.000 | 109,975 | 7.4 | 4.38 | 288,093 | 7.8 | 0.12 |
| 10/07/08 | | 9,196,521 | 1,241 | | | | | 110,012 | | | 288,124 | | |
| 10/10/08 | | 9,200,017 | 3,496 | | | | | 110,965 | | | 290,943 | | |
| 10/12/08 | | 9,200,017 | 0 | | | | | 111,919 | | | 291,644 | | |
| 10/14/08 | | 9,200,017 | 0 | | 7.8 | 1.9 | | 112,396 | 7.5 | 3.48 | 292,698 | 7.8 | 0.27 |
| 10/16/08 | | 9,204,404 | 4,387 | | | | | 112,906 | | | 293,436 | | |
| 10/18/08 | | 9,206,201 | 1,797 | | | | | 113,861 | | | 294,504 | | |
| 10/21/08 | | 9,206,201 | 0 | | 7.8 | | | 114,337 | 7.5 | 4.02 | 295,563 | 7.9 | 0.28 |
| 10/22/08 | | 9,208,980 | 2,779 | | | | | 114,848 | | | 296,250 | | |
| 10/26/08 | | 9,211,601 | 2,621 | | | | | 116,279 | | | 297,676 | | |
| 10/28/08 | | 9,211,601 | 0 | October | 7.9 | 2.0 | | 116,756 | 7.7 | 3.96 | 298,743 | 8.2 | 0.26 |
| | 11/01/08 | 9,214,938 | 22,071 | | | | | | | | | | |
| | 11/01/08 | 9,215,379 | 3,778 | | | | | 117,743 | | | 300,201 | | |
| | 11/04/08 | 9,215,379 | 0 | | 8.0 | 2.1 | 1.880 | 118,698 | 7.7 | 4.32 | 301,273 | 8.1 | 0.20 |
| | 11/04/08 | 9,217,467 | 2,088 | | | | | 118,732 | | | 301,305 | | |
| | 11/07/08 | 9,219,330 | 1,863 | | | | | 119,685 | | | 302,376 | | |
| | 11/10/08 | 9,220,422 | 1,092 | | | | | 120,162 | | | 303,090 | | |
| | 11/20/08 | 9,229,031 | 8,609 | | | | | 123,506 | | | 309,112 | | |
| | 11/24/08 | 9,231,935 | 2,904 | | | | | 124,939 | | | 310,833 | | |
| | 11/24/08 | 9,232,260 | 325 | | | | | 124,939 | | | 311,189 | | |
| | 11/26/08 | 9,233,464 | 1,204 | | | | | 125,702 | | | 311,660 | | |
| | 11/28/08 | 9,234,926 | 1,462 | November | | | | 126,192 | | | 312,744 | | |
| | 12/01/08 | 9,234,926 | 19,988 | | | | | | | | | | |
| | 12/02/08 | 9,234,926 | 0 | | 8.2 | 2.3 | 2.190 | 127,656 | 7.8 | 3.57 | 314,118 | 8.3 | 0.18 |
| | 12/12/08 | 9,242,670 | 7,744 | | | | | 130,122 | | | 316,912 | | |
| | 12/17/08 | 9,247,587 | 4,917 | December | | | | 131,563 | | | 320,808 | | |
| | 01/01/09 | 9,266,230 | | 31,304 | | | | | | | | | |
| | 01/02/09 | 9,268,140 | 20,553 | | | | | 136,435 | | | 338,229 | | |
| | 01/06/09 | 9,268,140 | 0 | | 7.8 | 2.5 | 2.430 | 137,894 | 7.7 | 4.48 | 341,351 | 7.8 | 1.05 |
| | 01/12/09 | 9,277,419 | 9,279 | January | | | | 139,384 | | | 344,897 | | |
| | 02/01/09 | 9,287,182 | | 20,952 | | | | | | | | | |
| | 02/01/09 | 9,287,326 | 9,907 | | | | | 143,256 | | | 351,798 | | |
| | 02/03/09 | 9,287,326 | 0 | | 7.8 | 3.3 | 2.900 | 143,738 | 7.9 | 4.69 | 352,143 | 8.2 | 0.34 |
| | 02/05/09 | 9,288,848 | 1,522 | February | | | | 143,772 | | | 352,912 | | |
| | 03/01/09 | 9,334,332 | | 47,151 | | | | | | | | | |
| | 03/01/09 | 9,335,249 | 46,401 | | | | | 153,077 | | | 393,568 | | |
| | 03/03/09 | 9,335,249 | 0 | | 7.6 | 2.4 | 1.970 | 153,561 | 7.9 | 4.24 | 394,973 | 8.2 | 0.87 |
| | 03/11/09 | 9,355,734 | 20,485 | | | | | 156,519 | | | 412,282 | | |
| | 03/30/09 | 9,463,572 | 107,838 | | | | | 182,357 | | | 500,471 | | |
| | 03/31/09 | 9,463,572 | 0 | March | | | | 183,323 | | | 501,935 | | |
| | 04/01/09 | 9,467,680 | | 133,348 | | | | | | | | | |
| | 04/01/09 | 9,469,538 | 5,966 | | | | | 184,290 | | | 504,856 | | |
| | 04/03/09 | 9,478,305 | 8,767 | | | | | 187,194 | | | 511,375 | | |
| | 04/06/09 | 9,485,542 | 7,237 | | | | | 189,607 | | | 516,807 | | |
| | 04/07/09 | 9,485,542 | 0 | | 7.7 | 0.84 | 0.730 | 190,569 | 7.9 | 1.14 | 518,251 | 8.1 | 0.52 |
| | 04/13/09 | 9,498,358 | 12,816 | | | | | 194,432 | | | 525,799 | | |
| | 04/14/09 | 9,498,358 | 0 | | 7.7 | 0.59 | | 194,908 | 8.0 | 1.20 | 525,799 | 8.2 | 0.27 |
| | 04/20/09 | 9,507,740 | 9,382 | | | | | 198,262 | | | 532,295 | | |
| | 04/21/09 | 9,507,740 | 0 | | 7.8 | 1.0 | | 198,262 | 8.0 | 0.96 | 533,364 | 8.3 | 1.74 |
| | 04/27/09 | 9,545,303 | 37,563 | | | | | 208,646 | | | 561,846 | | |
| | 04/28/09 | 9,545,303 | 0 | | 8.0 | 1.2 | | 210,663 | 7.7 | 1.89 | 566,157 | 7.5 | 0.28 |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|------|--|---|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 05/01/09 | 9,568,209 | | April | | | | | | | | | |
| | 05/01/09 | 9,574,025 | 28,722 | 100,528 | | | | 217,567 | | | 582,471 | | |
| | 05/04/09 | 9,582,624 | 8,599 | | | | | 220,929 | | | 588,270 | | |
| | 05/05/09 | 9,582,624 | 0 | 7.6 | 0.76 | 0.724 | | 221,884 | 8.0 | 1.29 | 589,714 | 8.0 | 0.33 |
| | 05/11/09 | 9,599,171 | 16,547 | | | | | 227,170 | | | 599,566 | | |
| | 05/12/09 | 9,599,171 | 0 | 8.0 | 0.89 | | | 228,124 | 7.6 | 0.84 | 600,996 | 7.9 | 0.24 |
| | 05/18/09 | 9,613,720 | 14,549 | | | | | 232,921 | | | 609,305 | | |
| | 05/19/09 | 9,613,720 | 0 | 7.4 | 0.79 | | | 233,874 | 7.0 | 0.84 | 610,378 | 7.2 | 0.38 |
| | 05/19/09 | 9,615,798 | 2,078 | | | | | 233,908 | | | 610,421 | | |
| | 05/19/09 | 9,616,122 | 324 | | | | | 233,908 | | | 610,775 | | |
| | 05/25/09 | 9,624,219 | 8,097 | | | | | 237,697 | | | 615,786 | | |
| | 05/26/09 | 9,624,219 | 0 | 7.3 | 0.58 | | | 238,168 | 7.1 | 1.08 | 616,149 | 7.0 | 0.16 |
| | 06/01/09 | 9,650,519 | | May | | | | | | | | | |
| | 06/01/09 | 9,652,323 | 28,104 | 82,310 | | | | 245,914 | | | 637,378 | | |
| | 06/02/09 | 9,652,323 | 0 | 7.3 | 0.23 | 0.648 | | 246,871 | 6.9 | 1.05 | 638,835 | 7.2 | 0.26 |
| | 06/03/09 | 9,658,104 | 5,781 | | | | | 248,350 | | | 641,072 | | |
| | 06/15/09 | 9,701,735 | 43,631 | | | | | 261,249 | | | 674,466 | | |
| | 07/01/09 | 9,727,520 | | June | | | | | | | | | |
| | 07/01/09 | 9,727,975 | 26,240 | 77,001 | | | | 272,082 | | | 691,914 | | |
| | 07/05/09 | 9,732,032 | 4,057 | | | | | 273,967 | | | 694,431 | | |
| | 07/07/09 | 9,732,032 | 0 | 7.4 | 0.96 | 0.878 | | 274,443 | 7.1 | 2.20 | 695,508 | 7.1 | 0.20 |
| | 07/20/09 | 9,742,289 | 10,257 | | | | | 278,743 | | | 700,527 | | |
| | 08/01/09 | 9,748,231 | | July | | | | | | | | | |
| | 08/03/09 | 9,749,397 | 7,108 | 20,712 | | | | 282,543 | | | 704,414 | | |
| | 08/04/09 | 9,749,397 | 0 | 7.5 | 1.9 | 1.680 | | 283,019 | 7.1 | 2.80 | 704,768 | 7.3 | 0.14 |
| | 08/08/09 | 9,752,139 | 2,742 | | | | | 284,005 | | | 706,115 | | |
| | 08/08/09 | 9,753,763 | 1,624 | | | | | 284,480 | | | 707,282 | | |
| | 08/09/09 | 9,757,508 | 3,745 | | | | | 284,962 | | | 710,677 | | |
| | 08/10/09 | 9,761,572 | 4,064 | | | | | 285,930 | | | 714,131 | | |
| | 08/10/09 | 9,762,328 | 756 | | | | | 286,411 | | | 714,491 | | |
| | 08/12/09 | 9,765,851 | 3,523 | | | | | 287,368 | | | 717,355 | | |
| | 08/13/09 | 9,767,253 | 1,402 | | | | | 287,846 | | | 718,430 | | |
| | 08/17/09 | 9,771,256 | 4,003 | | | | | 289,758 | | | 720,916 | | |
| | 08/30/09 | 9,785,737 | 14,481 | | | | | 295,976 | | | 730,538 | | |
| | 09/01/09 | 9,787,043 | | August | | | | | | | | | |
| | 09/01/09 | 9,787,352 | 1,615 | 38,811 | 7.6 | 1.6 | 1.320 | 296,492 | 7.1 | 2.85 | 731,650 | 7.4 | 0.53 |
| | 09/10/09 | 9,794,060 | 6,708 | | | | | 299,850 | | | 735,572 | | |
| | 09/21/09 | 9,800,194 | 6,134 | | | | | 303,204 | | | 738,803 | | |
| | 09/22/09 | 9,800,194 | 0 | | | | | 303,684 | | | 739,163 | | |
| | 10/01/09 | 9,806,949 | | September | | | | | | | | | |
| | 10/01/09 | 9,807,491 | 7,297 | 19,906 | | | | 306,569 | | | 743,395 | | |
| | 10/05/09 | 9,811,856 | 4,365 | | | | | 308,500 | | | 746,224 | | |
| | 10/06/09 | 9,811,856 | 0 | 6.9 | 1.8 | 1.700 | | 308,983 | 6.8 | 2.48 | 746,576 | 7.1 | 0.55 |
| | 10/15/09 | 9,827,819 | 15,963 | | | | | 314,838 | | | 757,329 | | |
| | 10/18/09 | 9,830,464 | 2,645 | | | | | 316,288 | | | 758,757 | | |
| | 11/01/09 | 9,871,202 | | October | | | | | | | | | |
| | 11/02/09 | 9,875,106 | 44,642 | 64,253 | | | | 329,981 | | | 793,417 | | |
| | 11/03/09 | 9,875,106 | 0 | 7.4 | 1.2 | 1.150 | | 330,961 | 7.0 | 2.60 | 795,595 | 7.2 | 0.46 |
| | 11/04/09 | 9,880,551 | 5,445 | | | | | 331,974 | | | 797,084 | | |
| | 11/05/09 | 9,882,809 | 2,258 | | | | | 332,950 | | | 798,526 | | |
| | 11/11/09 | 9,891,712 | 8,903 | | | | | 337,309 | | | 803,889 | | |
| | 11/12/09 | 9,893,927 | 2,215 | | | | | 338,274 | | | 805,324 | | |
| | 11/16/09 | 9,896,880 | 2,953 | | | | | 339,720 | | | 807,132 | | |
| | 11/17/09 | 9,897,695 | 815 | | | | | 340,200 | | | 807,495 | | |
| | 11/20/09 | 9,899,892 | 2,197 | | | | | 341,164 | | | 808,946 | | |
| | 11/30/09 | 9,914,595 | 14,703 | | | | | 346,476 | | | 819,664 | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|---|-------------------|------------------------|------|--|-------------------|------------------------|----|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 | Flow Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 | Flow Reading (gallons) | pH |
| | 12/01/09 | 9,914,595 | | November | | | | | | | | | | |
| | | 9,914,595 | 0 | 43,393 | 7.6 | 1.7 | 1.500 | 347,446 | 7.3 | 2.25 | 820,740 | 7.8 | 0.67 | |
| | 12/15/09 | 9,931,024 | 16,429 | | | | | 354,237 | | | 829,781 | | | |
| | 12/18/09 | 9,933,254 | 2,230 | | | | | 355,200 | | | 831,213 | | | |
| | 01/01/10 | 9,956,004 | | December | | | | | | | | | | |
| | 01/03/10 | 9,960,070 | 26,816 | 41,409 | | | | 362,443 | | | 853,235 | | | |
| | 01/05/10 | 9,960,070 | 0 | | 6.9 | 2.3 | 2.220 | 362,924 | 7.2 | 5.36 | 855,045 | 7.2 | 0.68 | |
| | 01/14/10 | 9,969,979 | 9,909 | | | | | 365,847 | | | 860,488 | | | |
| | 01/18/10 | 9,972,503 | 2,524 | | | | | 366,807 | | | 862,304 | | | |
| | 01/31/10 | 9,991,034 | 18,531 | | | | | 370,664 | | | 878,832 | | | |
| | 02/01/10 | 9,991,034 | | January | | | | | | | | | | |
| | 02/02/10 | 9,991,034 | 0 | 35,030 | 7.4 | 1.6 | 1.460 | 371,145 | 7.2 | 4.05 | 880,637 | 7.2 | 0.46 | |
| | 02/03/10 | 9,994,392 | 3,358 | | | | | 371,664 | | | 881,364 | | | |
| | 02/16/10 | 10,002,996 | 8,604 | | | | | 374,543 | | | 887,937 | | | |
| | 02/28/10 | 10,009,542 | 6,546 | | | | | 376,928 | | | 892,655 | | | |
| | 03/01/10 | 10,009,542 | | February | | | | | | | | | | |
| | 03/02/10 | 10,009,542 | 0 | 18,508 | 7.6 | 1.6 | 1.340 | 376,928 | 7.4 | 2.70 | 893,732 | 7.4 | 1.41 | |
| | 03/06/10 | 10,015,341 | 5,799 | | | | | 377,919 | | | 898,085 | | | |
| | 03/13/10 | 10,048,616 | 33,275 | | | | | 383,764 | | | 927,938 | | | |
| | 03/17/10 | 10,065,891 | 17,275 | | | | | 388,140 | | | 942,069 | | | |
| | 03/23/10 | 10,077,601 | 11,710 | | | | | 392,478 | | | 950,481 | | | |
| | 03/31/10 | 10,088,487 | 10,886 | | | | | 396,786 | | | 958,091 | | | |
| | 04/01/10 | 10,088,725 | | March | | | | | | | | | | |
| | 04/01/10 | 10,088,817 | 330 | 79,183 | | | | 396,786 | | | 958,456 | | | |
| | 04/04/10 | 10,092,465 | 3,648 | | | | | 398,207 | | | 961,014 | | | |
| | 04/06/10 | 10,092,465 | 0 | | 7.4 | 1.3 | 1.180 | 399,166 | 7.2 | 2.00 | 962,110 | 7.2 | 0.20 | |
| | 04/19/10 | 10,151,166 | 58,701 | | | | | 416,846 | | | 1,005,028 | | | |
| | 05/01/10 | 10,189,439 | | April | | | | | | | | | | |
| | 05/03/10 | 10,196,869 | 45,703 | 100,715 | | | | 432,284 | | | 1,038,553 | | | |
| | 05/04/10 | 10,196,869 | 0 | | 7.3 | 0.98 | 0.902 | 433,730 | 7.1 | 1.12 | 1,040,370 | 7.2 | 0.37 | |
| | 05/17/10 | 10,258,463 | 61,594 | | | | | 453,256 | | | 1,083,344 | | | |
| | 06/01/10 | 10,294,510 | 36,047 | | | | | 466,168 | | | 1,109,480 | | | |
| | 06/01/10 | 10,294,510 | | May | | | | | | | | | | |
| | 06/01/10 | 10,294,510 | 0 | 105,071 | 7.6 | 0.85 | 0.762 | 467,117 | 7.2 | 1.44 | 1,110,569 | 7.3 | 0.28 | |
| | 06/21/10 | 10,372,589 | 78,079 | | | | | 488,138 | | | 1,171,628 | | | |
| | 06/30/10 | 10,400,340 | 27,751 | | | | | 495,720 | | | 1,193,925 | | | |
| | 06/30/10 | 10,400,889 | 549 | | | | | 496,193 | | | 1,194,286 | | | |
| | 07/01/10 | 10,401,954 | | June | | | | | | | | | | |
| | 07/01/10 | 10,402,536 | 1,647 | 107,444 | | | | 496,664 | | | 1,195,375 | | | |
| | 07/05/10 | 10,409,431 | 6,895 | | | | | 499,493 | | | 1,200,058 | | | |
| | 07/06/10 | 10,409,431 | 0 | | 7.3 | 1.1 | 0.988 | 499,963 | 7.3 | 1.92 | 1,200,783 | 7.5 | 0.41 | |
| | 07/12/10 | 10,426,614 | 17,183 | | | | | 504,247 | | | 1,213,873 | | | |
| | 07/21/10 | 10,506,902 | 80,288 | | | | | 525,545 | | | 1,275,358 | | | |
| | 07/22/10 | 10,515,567 | 8,665 | | | | | 527,488 | | | 1,282,668 | | | |
| | 07/23/10 | 10,532,459 | 16,892 | | | | | 531,679 | | | 1,283,332 | | | |
| | 08/01/10 | 10,586,662 | | July | | | | | | | | | | |
| | 08/02/10 | 10,594,781 | 62,322 | 184,709 | | | | 549,129 | | | 1,283,332 | | | |
| | 08/03/10 | 10,594,781 | 0 | | 7.8 | 0.54 | 0.515 | 549,601 | 7.4 | 1.20 | 1,283,332 | 7.5 | 0.20 | |
| | 08/04/10 | 10,599,046 | 4,265 | | | | | 550,588 | | | 1,283,332 | | | |
| | 08/04/10 | 10,599,046 | 0 | | | | | 550,588 | | | 1,283,358 | | | |
| | 08/04/10 | 10,599,046 | 0 | | | | | 550,588 | | | 1,283,358 | | | |
| | 08/05/10 | 10,600,937 | 1,891 | | | | | 551,531 | | | 1,284,413 | | | |
| | 08/06/10 | 10,602,372 | 1,435 | | | | | 552,002 | | | 1,285,481 | | | |
| | 08/07/10 | 10,604,242 | 1,870 | | | | | 552,943 | | | 1,286,560 | | | |
| | 08/12/10 | 10,621,705 | 17,463 | | | | | 558,442 | | | 1,299,650 | | | |
| | 08/18/10 | 10,644,322 | 22,617 | | | | | 565,095 | | | 1,317,296 | | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|---|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 09/01/10 | 10,664,511 | | August | | | | | | | | | |
| 09/06/10 | | 10,672,363 | 28,041 | 77,849 | | | | 575,879 | | | 1,336,978 | | |
| 09/07/10 | | 10,672,363 | 0 | | 7.7 | 0.64 | 0.588 | 575,879 | 7.2 | 1.28 | 1,337,698 | 7.4 | 0.19 |
| 09/09/10 | | 10,675,017 | 2,654 | | | | | 576,846 | | | 1,338,823 | | |
| 09/09/10 | | 10,675,348 | 331 | | | | | 576,846 | | | 1,339,184 | | |
| 09/15/10 | | 10,681,923 | 6,575 | | | | | 579,656 | | | 1,343,454 | | |
| 09/20/10 | | 10,688,747 | 6,824 | | | | | 582,004 | | | 1,348,431 | | |
| 09/28/10 | | 10,712,898 | 24,151 | | | | | 588,142 | | | 1,368,075 | | |
| 09/28/10 | | 10,713,225 | 327 | | | | | 588,142 | | | 1,368,432 | | |
| | 10/01/10 | 10,717,803 | | September | | | | | | | | | |
| 10/01/10 | | 10,718,374 | 5,149 | 53,291 | | | | 590,497 | | | 1,371,651 | | |
| 10/03/10 | | 10,721,339 | 2,965 | | | | | 591,909 | | | 1,373,451 | | |
| 10/05/10 | | 10,721,339 | 0 | | 7.6 | 0.80 | 0.763 | 592,849 | 7.3 | 1.32 | 1,374,902 | 7.5 | 0.10 |
| 10/15/10 | | 10,733,086 | 11,747 | | | | | 597,097 | | | 1,380,767 | | |
| 10/17/10 | | 10,734,957 | 1,871 | | | | | 598,030 | | | 1,381,848 | | |
| 10/31/10 | | 10,760,102 | 25,145 | | | | | 605,549 | | | 1,401,547 | | |
| | 11/01/10 | 10,760,102 | | October | | | | | | | | | |
| 11/02/10 | | 10,760,102 | 0 | 42,299 | 7.8 | 0.65 | 0.639 | 606,486 | 7.6 | 1.44 | 1,403,369 | 7.9 | 0.20 |
| 11/11/10 | | 10,773,294 | 13,192 | | | | | 611,203 | | | 1,410,005 | | |
| 11/14/10 | | 10,775,484 | 2,190 | | | | | 612,137 | | | 1,411,471 | | |
| 11/17/10 | | 10,778,424 | 2,940 | | | | | 613,539 | | | 1,413,301 | | |
| 11/28/10 | | 10,790,717 | 12,293 | | | | | 618,231 | | | 1,422,421 | | |
| | 12/01/10 | 10,794,632 | | November | | | | | | | | | |
| 12/04/10 | | 10,800,013 | 9,296 | 34,530 | | | | 622,006 | | | 1,428,648 | | |
| 12/07/10 | | 10,800,013 | 0 | | 7.6 | 1.0 | 0.989 | 623,423 | 7.8 | 1.80 | 1,430,482 | 7.9 | 0.24 |
| 12/15/10 | | 10,811,058 | 11,045 | | | | | 627,228 | | | 1,435,313 | | |
| 12/20/10 | | 10,814,659 | 3,601 | | | | | 628,621 | | | 1,437,887 | | |
| 12/23/10 | | 10,816,825 | 2,166 | | | | | 629,558 | | | 1,439,358 | | |
| | 01/01/11 | 10,827,569 | | December | | | | | | | | | |
| 01/02/11 | | 10,829,348 | 12,523 | 32,938 | | | | 632,850 | | | 1,449,967 | | |
| 01/04/11 | | 10,829,348 | 0 | | 8.0 | 1.6 | 1.500 | 633,803 | 7.9 | 5.31 | 1,452,901 | 8.0 | 0.53 |
| 01/17/11 | | 10,845,438 | 16,090 | | | | | 638,076 | | | 1,462,175 | | |
| 01/28/11 | | 10,852,203 | 6,765 | | | | | 640,437 | | | 1,467,352 | | |
| 01/30/11 | | 10,853,317 | 1,114 | | | | | 640,910 | | | 1,468,093 | | |
| | 02/01/11 | 10,853,317 | | January | | | | | | | | | |
| 02/01/11 | | 10,853,317 | 0 | 25,748 | 7.9 | 2.1 | 2.100 | 641,382 | 7.7 | 4.90 | 1,468,834 | 7.6 | 0.18 |
| 02/02/11 | | 10,854,899 | 1,582 | | | | | 641,426 | | | 1,469,273 | | |
| 02/14/11 | | 10,859,963 | 5,064 | | | | | 643,318 | | | 1,472,988 | | |
| 02/21/11 | | 10,876,100 | 16,137 | | | | | 646,167 | | | 1,488,233 | | |
| 02/21/11 | | 10,876,705 | 605 | | | | | 646,167 | | | 1,488,978 | | |
| 02/24/11 | | 10,880,277 | 3,572 | | | | | 647,105 | | | 1,491,974 | | |
| 02/27/11 | | 10,883,601 | 3,324 | | | | | 648,128 | | | 1,494,713 | | |
| | 03/01/11 | 10,883,601 | | February | | | | | | | | | |
| 03/01/11 | | 10,883,601 | 0 | 30,284 | 7.8 | 1.8 | 1.530 | 648,594 | 7.7 | 4.95 | 1,496,572 | 7.8 | 0.52 |
| 03/21/11 | | 10,957,602 | 74,001 | | | | | 664,834 | | | 1,558,957 | | |
| | 04/01/11 | 11,023,291 | | March | | | | | | | | | |
| 04/04/11 | | 11,045,838 | 88,236 | 139,690 | | | | 687,442 | | | 1,632,177 | | |
| 04/05/11 | | 11,045,838 | 0 | | 8.0 | 0.40 | 0.380 | 688,903 | 7.8 | 1.10 | 1,637,351 | 7.7 | 0.21 |
| 04/16/11 | | 11,138,592 | 92,754 | | | | | 710,138 | | | 1,708,997 | | |
| 04/26/11 | | 11,216,566 | 77,974 | | | | | 731,830 | | | 1,771,918 | | |
| 04/29/11 | | 11,258,391 | 41,825 | | | | | 743,289 | | | 1,804,105 | | |
| 04/29/11 | | 11,262,451 | 4,060 | | | | | 744,757 | | | 1,807,043 | | |
| | 05/02/11 | 11,274,169 | | April | | | | | | | | | |
| 05/02/11 | | 11,277,586 | 15,135 | 250,878 | | | | 750,559 | | | 1,818,009 | | |
| 05/03/11 | | 11,277,586 | 0 | | 7.8 | 0.37 | 0.338 | 751,514 | 7.6 | 0.68 | 1,819,601 | 7.8 | 0.20 |
| 05/16/11 | | 11,310,055 | 32,469 | | | | | 763,336 | | | 1,841,085 | | |
| 05/17/11 | | 11,311,520 | 1,465 | | | | | 763,807 | | | 1,842,263 | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|------|--|---|-------------------------------------|-----|--|-------------------------------------|-----|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 06/01/11 | 11,344,383 | | May | | | | | | | | | |
| | 06/02/11 | 11,347,664 | 36,144 | 70,214 | | | | 778,512 | | | 1,868,238 | | |
| | 06/06/11 | 11,354,057 | 6,393 | | | | | 781,832 | | | 1,872,152 | | |
| | 06/07/11 | 11,354,057 | 0 | 7.7 | 0.46 | 0.447 | | 782,305 | 7.6 | 0.85 | 1,872,545 | 7.7 | 0.14 |
| | 06/17/11 | 11,368,867 | 14,810 | | | | | 788,961 | | | 1,881,915 | | |
| | 06/20/11 | 11,373,134 | 4,267 | | | | | 790,860 | | | 1,884,626 | | |
| | 07/01/11 | 11,419,112 | | June | | | | | | | | | |
| | 07/04/11 | 11,434,679 | 61,545 | 74,729 | | | | 811,146 | | | 1,932,424 | | |
| | 07/05/11 | 11,434,679 | 0 | 7.9 | 0.78 | 0.752 | | 811,621 | 7.6 | 1.50 | 1,933,199 | 7.5 | 0.19 |
| | 07/18/11 | 11,450,616 | 15,937 | | | | | 818,915 | | | 1,942,544 | | |
| | 07/27/11 | 11,470,412 | 19,796 | | | | | 825,753 | | | 1,958,375 | | |
| | 07/28/11 | 11,473,213 | 2,801 | | | | | 826,666 | | | 1,960,688 | | |
| | 08/01/11 | 11,483,192 | | July | | | | | | | | | |
| | 08/01/11 | 11,484,004 | 10,791 | 64,080 | | | | 830,795 | | | 1,968,801 | | |
| | 08/02/11 | 11,484,004 | 0 | 7.9 | 0.86 | 0.800 | | 831,711 | 7.5 | 1.26 | 1,970,342 | 7.5 | 0.42 |
| | 08/04/11 | 11,492,474 | 8,470 | | | | | 834,025 | | | 1,975,014 | | |
| | 08/05/11 | 11,493,370 | 896 | | | | | 834,506 | | | 1,975,820 | | |
| | 08/15/11 | 11,509,618 | 16,248 | | | | | 841,800 | | | 1,986,618 | | |
| | 08/31/11 | 11,524,004 | 14,386 | | | | | 849,495 | | | 1,994,794 | | |
| | 09/01/11 | 11,524,179 | | August | | | | | | | | | |
| | 09/01/11 | 11,524,431 | 427 | 40,987 | | | | 849,948 | | | 1,994,794 | | |
| | 09/03/11 | | | | | | | 850,953 | | | 1,997,262 | | |
| | 09/05/11 | 11,533,935 | 9,504 | | | | | 852,322 | | | 2,003,014 | | |
| | 09/06/11 | 11,533,935 | 0 | 8.0 | 1.2 | 1.180 | | 852,778 | 7.7 | 1.65 | 2,004,161 | 7.7 | 0.55 |
| | 09/08/11 | 11,538,054 | 4,119 | | | | | 854,174 | | | 2,005,726 | | |
| | 09/19/11 | 11,547,336 | 9,282 | | | | | 859,158 | | | 2,011,134 | | |
| | 09/20/11 | 11,548,416 | 1,080 | | | | | 859,611 | | | 2,011,902 | | |
| | 09/28/11 | 11,562,993 | 14,577 | | | | | 863,696 | | | 2,024,247 | | |
| | 10/01/11 | 11,568,104 | | September | | | | | | | | | |
| | 10/03/11 | 11,572,412 | 9,419 | 43,925 | | | | 867,344 | | | 2,031,123 | | |
| | 10/04/11 | 11,574,566 | 2,154 | | | | | 868,253 | | | 2,032,650 | | |
| | 10/05/11 | 11,574,566 | 0 | | | | | 868,707 | | | 2,033,029 | | |
| | 10/06/11 | 11,574,566 | 0 | | | | | 869,161 | | | 2,033,785 | | |
| | 10/08/11 | 11,579,097 | 4,531 | | | | | 870,519 | | | 2,036,082 | | |
| | 10/10/11 | 11,579,097 | 0 | 7.5 | 1.2 | 1.090 | | 870,972 | 7.4 | 2.15 | 2,036,082 | 7.5 | 0.22 |
| | 10/26/11 | 11,603,315 | 24,218 | | | | | 879,056 | | | 2,054,141 | | |
| | 10/30/11 | 11,606,358 | 3,043 | | | | | 880,416 | | | 2,055,759 | | |
| | 11/01/11 | 11,607,509 | | October | | | Pounds Cr | | | | | | |
| | 11/01/11 | 11,608,102 | 1,744 | 39,405 | | | 0.358 | 881,323 | | | 2,055,759 | | |
| | 11/02/11 | 11,608,233 | 131 | | | | | 881,362 | | | 2,055,792 | | |
| | 11/03/11 | 11,608,233 | 0 | 8.2 | 1.3 | 1.220 | | 881,378 | 8.1 | 2.46 | 2,055,818 | 8.0 | 0.03 |
| | 11/05/11 | 11,611,395 | 3,162 | | | | | 882,340 | | | 2,059,467 | | |
| | 11/06/11 | 11,614,756 | 3,361 | | | | | 883,608 | | | 2,062,594 | | |
| | 11/07/11 | 11,616,924 | 2,168 | | | | | 883,718 | | | 2,063,343 | | |
| | 11/08/11 | 11,618,636 | 1,712 | | | | | 884,345 | | | 2,065,014 | | |
| | 11/12/11 | 11,651,616 | 32,980 | | | | | 890,384 | | | 2,094,235 | | |
| | 11/15/11 | 11,662,529 | 10,913 | | | | | 894,135 | | | 2,102,462 | | |
| | 11/23/11 | 11,677,899 | 15,370 | | | | | 900,936 | | | 2,112,833 | | |
| | 11/29/11 | 11,687,640 | 9,741 | | | | Pounds Cr | 905,028 | | | 2,119,690 | | |
| | 12/01/11 | 11,689,609 | | November | | | 0.834 | | | | | | |
| | 12/01/11 | 11,687,640 | 0 | 82,100 | 7.4 | 1.7 | 1.700 | 905,938 | 7.8 | 2.65 | 2,119,690 | 8.0 | 0.72 |
| | 12/06/11 | 11,706,691 | 19,051 | | | | | 910,893 | | | 2,134,888 | | |
| | 12/15/11 | 11,724,224 | 17,533 | | | | | 918,198 | | | 2,147,141 | | |
| | 12/26/11 | 11,737,368 | 13,144 | | | | | 924,102 | | | 2,155,863 | | |
| | 12/31/11 | 11,742,107 | 4,739 | | | | | 926,371 | | | 2,158,911 | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|---|-------------------|-------------------|------|--|-------------------|-------------------|----|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 | Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 | Reading (gallons) | pH |
| | 01/01/12 | 11,742,204 | | December | | | Pounds Cr | | | | | | | |
| 01/04/12 | | 11,744,667 | 2,560 | 52,595 | | 0.745 | 927,731 | | | | 2,158,911 | | | |
| 01/05/12 | | 11,744,667 | 0 | | 6.9 | 0.98 | 0.862 | 928,184 | 7.5 | 1.84 | 2,161,198 | 7.3 | 0.27 | |
| 01/19/12 | | 11,754,619 | 9,952 | | | | | 932,303 | | | 2,166,977 | | | |
| 01/27/12 | | 11,758,987 | 4,368 | | | | | 934,572 | | | 2,169,652 | | | |
| 01/31/12 | | 11,761,124 | 2,137 | | | | Pounds Cr | 935,480 | | | 2,171,180 | | | |
| | 02/01/12 | 11,761,228 | | January | | 0.137 | | | | | | | | |
| 02/02/12 | | 11,761,124 | 0 | 19,024 | 7.4 | 2.1 | 1.860 | 936,191 | 7.7 | 2.50 | 2,172,687 | 7.7 | 6.1 | |
| 02/07/12 | | 11,763,586 | 2,358 | | | | | 938,043 | | 2.80 | 2,176,546 | | 1.71 | |
| 02/22/12 | | 11,778,355 | 14,769 | | | | | 941,736 | | | 2,183,827 | | | |
| 02/24/12 | | 11,780,157 | 16,571 | | | | | 942,642 | | | 2,184,964 | | | |
| 02/28/12 | | 11,782,379 | 18,793 | | | | Pounds Cr | 943,547 | | | 2,186,478 | | | |
| | 03/01/12 | 11,783,379 | | February | | 0.329 | | | | | | | | |
| 03/01/12 | | 11,782,379 | 0 | 21,255 | 7.1 | 2.6 | 2.560 | 944,002 | 7.3 | 3.45 | 2,186,478 | 7.6 | 2.04 | |
| 03/14/12 | | 11,824,851 | 41,472 | | | | | 956,400 | | | 2,221,364 | | | |
| 03/21/12 | | 11,839,925 | 15,074 | | | | | 962,783 | | | 2,231,770 | | | |
| 03/25/12 | | 11,848,965 | 9,040 | | | | | 965,591 | | | 2,239,149 | | | |
| | 04/01/12 | 11,865,023 | | March | | | Pounds Cr | | | | | | | |
| 04/03/12 | | 11,871,806 | 22,841 | 81,644 | | | 1.740 | 973,817 | | | 2,256,557 | | | |
| 04/05/12 | | 11,871,806 | 6,783 | | 7.6 | 0.83 | 0.730 | 975,189 | 7.9 | 1.28 | 2,258,866 | 7.8 | 0.48 | |
| 04/18/12 | | 11,896,899 | 25,093 | | | | | 984,322 | | | 2,273,887 | | | |
| 04/21/12 | | 11,906,449 | 9,550 | | | | | 986,147 | | | 2,282,902 | | | |
| | 05/01/12 | 11,923,538 | | April | | | Pounds Cr | | | | | | | |
| 05/02/12 | | 11,930,935 | 24,486 | 58,515 | | | 0.356 | 996,194 | | | 2,300,258 | | | |
| 05/03/12 | | 11,933,848 | 2,913 | | | | | 997,107 | | | 2,302,572 | | | |
| 05/09/12 | | 11,989,964 | 56,116 | | | | | 1,010,822 | | | 2,349,979 | | | |
| 05/14/12 | | 12,005,061 | 15,097 | | | | | 1,016,338 | | | 2,361,277 | | | |
| 05/16/12 | | 12,005,061 | 0 | | 6.5 | 0.67 | 0.581 | 1,018,169 | 7.4 | 0.63 | 2,363,951 | 7.6 | 0.15 | |
| 05/20/12 | | 12,016,709 | 11,648 | | | | | 1,021,100 | | | 2,368,989 | | | |
| 05/22/12 | | 12,018,570 | 1,861 | | | | | 1,022,007 | | | 2,370,141 | | | |
| 05/24/12 | | 12,021,249 | 2,679 | | | | | 1,023,245 | | | 2,372,066 | | | |
| 05/31/12 | | 12,028,808 | 7,559 | | | | | 1,027,317 | | | 2,378,556 | | | |
| | 06/01/12 | 12,029,342 | | May | | | Pounds Cr | | | | | | | |
| 06/02/12 | | 12,030,994 | 2,186 | 105,804 | | | 0.512 | 1,027,317 | | | 2,378,556 | | | |
| 06/05/12 | | 12,033,617 | 2,623 | | | | | 1,028,676 | | | 2,380,101 | | | |
| 06/07/12 | | 12,033,617 | 0 | | 6.8 | 0.55 | 0.507 | 1,029,581 | 7.4 | 0.99 | 2,381,259 | 7.7 | 0.17 | |
| 06/19/12 | | 12,046,851 | 13,234 | | | | | 1,034,134 | | | 2,389,253 | | | |
| 06/29/12 | | 12,056,747 | 9,896 | | | | | 1,038,653 | | | 2,395,689 | | | |
| | 07/01/12 | 12,057,998 | | June | | | Pounds Cr | | | | | | | |
| 07/03/12 | | 12,059,332 | 1,334 | 28,656 | | | 0.121 | 1,040,009 | | | 2,397,210 | | | |
| 07/05/12 | | 12,059,332 | 0 | | 6.1 | 0.98 | 0.906 | 1,040,913 | 6.2 | 1.24 | 2,397,969 | 6.6 | 0.19 | |
| 07/10/12 | | 12,064,003 | 4,671 | | | | | 1,042,739 | | | 2,402,552 | | | |
| 07/20/12 | | 12,069,263 | 5,260 | | | | | 1,045,446 | | | 2,402,552 | | | |
| | 08/01/12 | 12,078,083 | | July | | | Pounds Cr | | | | | | | |
| 08/01/12 | | 12,078,359 | 9,096 | 20,085 | | | 0.152 | 1,049,510 | | | 2,408,561 | | | |
| 08/02/12 | | 12,078,359 | 0 | | 6.2 | 1.20 | 1.120 | 1,049,969 | 6.2 | 1.72 | 2,408,954 | 6.0 | 0.56 | |
| 08/07/12 | | 12,082,510 | 4,151 | | | | | 1,051,808 | | | 2,410,869 | | | |
| 08/16/12 | | 12,098,108 | 15,598 | | | | | 1,056,800 | | | 2,423,447 | | | |
| | 09/01/12 | 12,111,167 | | August | | | Pounds Cr | | | | | | | |
| 09/01/12 | | 12,111,772 | 13,664 | 33,084 | | | 0.309 | 1,063,135 | | | 2,432,088 | | | |
| 09/09/12 | | 12,116,611 | 4,839 | | | | | 1,065,875 | | | 2,434,745 | | | |
| 09/11/12 | | 12,117,783 | 1,172 | | | 1.70 | 1.520 | 1,066,747 | 6.4 | 0.72 | 2,435,127 | 6.3 | 0.21 | |
| 09/18/12 | | 12,121,226 | 3,443 | | | | | 1,068,577 | | | 2,437,061 | | | |
| 09/26/12 | | 12,125,024 | 3,798 | | | | | 1,070,837 | | | 2,438,957 | | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|---|-------------------|------------------------|------|--|-------------------|------------------------|----|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 | Flow Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 | Flow Reading (gallons) | pH |
| | 10/01/12 | 12,126,164 | | September | | | Pounds Cr | | | | | | | |
| 10/04/12 | | 12,127,304 | 2,280 | 14,997 | | 0.190 | | 1,072,193 | | | | 2,440,091 | | |
| 10/04/12 | | 12,127,304 | 1,140 | | | 1.50 | 1.370 | 1,072,193 | 6.4 | 1.44 | 2,440,091 | 6.2 | 0.32 | |
| 10/05/12 | | 12,129,085 | 1,781 | | | | | 1,073,276 | | | 2,440,999 | | | |
| 10/09/12 | | 12,129,791 | 706 | | | | | 1,073,696 | | | 2,441,370 | | | |
| 10/19/12 | | 12,163,907 | 34,116 | | | | | 1,081,043 | | | 2,471,345 | | | |
| 10/30/12 | | 12,189,653 | 25,746 | | | | | 1,092,239 | | | 1,289,448 | | | |
| | 11/01/12 | 12,191,094 | | October | | | Pounds Cr | | | | | | | |
| 11/06/12 | | 12,196,769 | 7,116 | 64,930 | | 0.741 | | 1,096,343 | | | 2,493,654 | | | |
| 11/09/12 | | 12,198,437 | 1,668 | | NA | 1.1 | 1.040 | 1,097,450 | NA | 1.34 | 2,494,750 | NA | 0.21 | |
| 11/22/12 | | 12,212,741 | 14,304 | | | | | 1,103,179 | | | 2,504,679 | | | |
| 11/30/12 | | 12,218,011 | 5,270 | | | | | 1,106,155 | | | 2,507,598 | | | |
| | 12/01/12 | 12,218,663 | | November | | | Pounds Cr | | | | | | | |
| 12/03/12 | | 12,219,752 | 1,089 | 27,569 | | 0.239 | | 1,107,006 | | | 2,508,689 | | | |
| 12/10/12 | | 12,223,289 | 3,537 | | 8.0 | 1.00 | 1.100 | 1,109,121 | 7.7 | 1.60 | 2,510,506 | 8.0 | 0.27 | |
| 12/26/12 | | 12,234,632 | 11,343 | | | | | 1,114,683 | | | 2,517,462 | | | |
| 12/31/12 | | 12,239,248 | 4,616 | | | | | 1,117,237 | | | 2,520,012 | | | |
| | 01/01/13 | 12,239,543 | | December | | | Pounds Cr | | | | | | | |
| 01/01/13 | | 12,239,958 | 710 | 20,880 | | 0.191 | | 1,117,663 | | | 2,520,377 | | | |
| 01/10/13 | | 12,246,590 | 6,632 | | | 1.90 | 1.720 | 1,120,640 | 7.7 | 1.68 | 2,524,770 | 8.0 | 1.32 | |
| 01/24/13 | | 12,278,928 | 32,338 | | | | | 1,130,141 | | | 2,550,847 | | | |
| 01/28/13 | | 12,282,035 | 3,107 | | | | | 1,131,414 | | | 2,553,042 | | | |
| 01/31/13 | | 12,287,892 | 5,857 | | | | | 1,132,425 | | | 2,558,715 | | | |
| | 02/01/13 | 12,288,247 | | January | | | Pounds Cr | | | | | | | |
| 02/01/13 | | 12,289,018 | 1,126 | 48,644 | | 0.697 | | 1,132,680 | | | 2,559,456 | | | |
| 02/07/13 | | 12,293,874 | 4,856 | | 7.9 | 0.82 | 0.663 | 1,134,376 | 7.6 | 1.35 | 2,563,137 | 8.0 | 0.22 | |
| 02/20/13 | | 12,308,445 | 14,571 | | | | | 1,038,672 | | | 2,575,057 | | | |
| 02/27/13 | | 12,313,181 | 19,307 | | | | | 1,140,359 | | | 2,578,725 | | | |
| | 03/01/13 | 12,314,165 | | February | | | Pounds Cr | | | | | | | |
| 03/03/13 | | 12,315,958 | 2,777 | 25,918 | | 0.143 | | 1,141,206 | | | 2,580,927 | | | |
| 03/07/13 | | 12,318,024 | 2,066 | | 7.9 | 0.83 | 0.753 | 1,142,054 | 7.7 | 1.44 | 2,582,395 | 7.8 | 0.27 | |
| 03/18/13 | | 12,361,201 | 43,177 | | | | | 1,151,536 | | | 2,619,703 | | | |
| 03/20/13 | | 12,365,136 | 3,935 | | | | | 1,153,250 | | | 2,622,317 | | | |
| 03/27/13 | | 12,378,442 | 13,306 | | | | | 1,159,233 | | | 2,630,884 | | | |
| 03/31/13 | | 12,400,821 | 22,379 | | | | | 1,164,838 | | | 2,649,804 | | | |
| | 04/01/13 | 12,403,728 | | March | | | Pounds Cr | | | | | | | |
| 04/01/13 | | 12,407,465 | 3,737 | 89,563 | | 0.562 | | 1,165,570 | | | 2,655,346 | | | |
| 04/11/13 | | 12,461,497 | 54,032 | | 7.4 | 0.42 | 0.431 | 1,180,148 | 7.0 | 0.60 | 2,700,747 | 7.4 | 0.14 | |
| 04/17/13 | | 12,522,138 | 60,641 | | | | | 1,196,092 | | | 2,749,790 | | | |
| | 05/01/13 | 12,570,545 | | April | | | Pounds Cr | | | | | | | |
| 05/01/13 | | --- | --- | 166,817 | | 0.599 | | | | | | | | |
| 05/19/13 | | 12,571,333 | 49,195 | | 8.1 | 0.56 | 0.553 | 1,215,096 | 7.3 | 0.38 | 2,785,968 | 7.8 | 0.09 | |
| | 06/01/13 | 12,623,298 | 51,965 | | | | | 1,235,753 | | | 2,823,953 | | | |
| | 06/01/13 | 12,647,282 | | May | | | Pounds Cr | | | | | | | |
| | | | | 76,737 | | | 0.353 | | | | | | | |
| 06/06/13 | | 12,657,605 | 34,307 | | 7.6 | 0.96 | 0.826 | 1,251,551 | 7.4 | 0.47 | 2,849,502 | 7.8 | 0.73 | |
| 06/12/13 | | 12,669,485 | 11,880 | | | | | 1,256,351 | | | 2,857,966 | | | |
| 06/17/13 | | 12,680,642 | 11,157 | | | | | 1,259,722 | | | 2,867,078 | | | |
| | 07/01/13 | 12,727,950 | | June | | | Pounds Cr | | | | | | | |
| | | | | 80,668 | | | 0.555 | | | | | | | |
| 07/18/13 | | 12,767,116 | 86,474 | | 7.4 | 0.73 | 0.694 | 1,286,165 | 6.7 | 0.73 | 2,938,280 | 7.5 | 0.07 | |
| 07/31/13 | | 12,780,876 | 13,760 | | | | | 1,293,015 | | | 2,947,351 | | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|------|--|---|-------------------|-------------------|------|--|-------------------|-------------------|------|--|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 | Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 | Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) |
| | 08/01/13 | 12,781,814 | | July | | | Pounds Cr | | | | | | | | |
| | | | 53,864 | | | 0.311 | | | | | | | | | |
| 08/04/13 | | 12,784,628 | 3,752 | | | | | 1,293,015 | | | | 2,947,351 | | | |
| 08/07/13 | | 12,786,184 | 1,556 | | | | | 1,295,588 | | | | 2,951,110 | | | |
| 08/08/13 | | 12,786,555 | .371 | 7.5 | 0.83 | 0.775 | | 1,296,442 | 6.8 | 0.68 | | 2,951,801 | 7.2 | 0.16 | |
| 08/19/13 | | 12,795,058 | 8,503 | | | | | 1,298,966 | | | | 2,954,811 | | | |
| 08/21/13 | | 12,795,638 | 580 | | | | | 1,300,287 | | | | 2,956,243 | | | |
| 08/26/13 | | 12,797,295 | 1,657 | | | | | 1,301,154 | | | | 2,957,147 | | | |
| 08/28/13 | | 12,800,434 | 3,139 | | | | | 1,302,541 | | | | 2,958,987 | | | |
| | 09/01/13 | 12,803,511 | | August | | | Pounds Cr | | | | | | | | |
| | | | 21,697 | | | 0.140 | | 1,303,580 | | | | 2,961,265 | | | |
| 09/01/13 | | 12,803,511 | 6,216 | | | | | 1,305,282 | | | | 2,964,435 | | | |
| 09/05/13 | | 12,808,096 | 4,585 | | | | | 1,306,947 | | | | 2,966,675 | | | |
| 09/09/13 | | 12,811,883 | 8,372 | | | | | 1,309,139 | | | | 2,968,968 | | | |
| 09/11/13 | | 12,815,166 | 7,070 | | | | | 1,310,005 | | | | 2,970,501 | | | |
| 09/14/13 | | 12,818,151 | 6,268 | | | | | 1,311,729 | 7.1 | 0.99 | | 2,973,533 | 7.3 | 0.19 | |
| 09/30/13 | | 12,833,637 | 11,354 | | | | | 1,317,815 | | | | 2,980,475 | | | |
| | 10/01/13 | 12,834,025 | | September | | | Pounds Cr | | | | | | | | |
| 10/01/13 | | 12,834,025 | 388 | 30,514 | | | 0.297 | | 1,318,244 | | | | 2,980,475 | | |
| 10/08/13 | | 12,843,796 | 9,771 | | | | | 1,321,693 | | | | 2,988,064 | | | |
| 10/16/13 | | 12,852,554 | 8,758 | | | | | 1,325,559 | | | | 2,994,143 | | | |
| 10/18/13 | | 12,855,027 | 2,473 | | 7.7 | 1.20 | 1.120 | 1,326,419 | 7.5 | 1.04 | | 2,996,041 | 7.8 | 0.14 | |
| | 11/01/13 | 12,867,815 | | October | | | Pounds Cr | | | | | | | | |
| 11/01/13 | | 12,867,815 | 12,788 | 33,790 | | | 0.315 | | 1,332,902 | | | | 3,004,777 | | |
| 11/05/13 | | 12,876,841 | 9,026 | | | | | 1,335,488 | | | | 3,012,422 | | | |
| 11/13/13 | | 12,903,367 | 26,526 | | 7.8 | 1.00 | 0.920 | 1,345,039 | 8.1 | 0.66 | | 3,033,152 | 7.9 | 0.11 | |
| 11/20/13 | | 12,924,566 | 21,199 | | | | | 1,350,740 | | | | 3,051,316 | | | |
| | 12/01/13 | 12,940,971 | | November | | | Pounds Cr | | | | | | | | |
| 12/02/13 | | 12,944,252 | 19,686 | 73,156 | | | 0.560 | | 1,360,688 | | | | 3,063,995 | | |
| 12/10/13 | | 12,954,971 | 10,719 | | 7.6 | 1.4 | 1.320 | 1,365,411 | 7.4 | 2.70 | | 3,071,689 | 7.1 | 0.07 | |
| 12/12/13 | | 12,957,411 | 2,440 | | | | | 1,366,744 | | | | 3,073,244 | | | |
| 12/23/13 | | 12,965,941 | 8,530 | | | | | 1,371,029 | | | | 3,078,956 | | | |
| 12/31/13 | | 12,970,459 | 4,518 | | | | | 1,373,592 | | | | 3,081,611 | | | |
| | 01/01/14 | 12,970,599 | | December | | | Pounds Cr | | | | | | | | |
| 01/01/14 | | 12,970,772 | 313 | 29,628 | | | 0.326 | | 1,373,592 | | | | 3,081,991 | | |
| 01/15/14 | | 12,976,884 | 6,112 | | 7.5 | 1.2 | 1.050 | 1,376,582 | 7.1 | 2.20 | | 3,086,176 | 7.6 | 0.11 | |
| 01/31/14 | | 12,983,061 | 6,177 | | | | | 1,379,605 | | | | 3,090,406 | | | |
| | 02/01/14 | 12,983,265 | | January | | | Pounds Cr | | | | | | | | |
| 02/02/14 | | 12,983,747 | 686 | 12,666 | | | 0.111 | | 1,380,032 | | | | 3,090,789 | | |
| 02/13/14 | | 12,987,155 | 3,408 | | 8.0 | 1.8 | 1.610 | 1,381,726 | 8.1 | 2.88 | | 3,093,093 | 8.3 | 0.19 | |
| 02/28/14 | | 12,993,603 | 6,448 | | | | | | | | | | | | |
| | 03/01/14 | 12,993,783 | | February | | | Pounds Cr | | | | | | | | |
| 03/01/14 | | 12,993,909 | 306 | 10,518 | | | 0.141 | | | | | | | | |
| 03/13/14 | | 13,005,882 | 11,973 | | 7.6 | 0.38 | 0.434 | 1,385,639 | 7.7 | 5.80 | | 3,112,477 | 8.0 | 0.30 | |
| 03/31/14 | | 13,059,539 | 53,657 | | | | | | | | | | | | |
| | 04/01/14 | 13,059,979 | | March | | | Pounds Cr | | | | | | | | |
| 04/01/14 | | 13,061,650 | 2,111 | 66,196 | | | 0.239 | | 1,399,014 | | | | 3,165,447 | | |
| 04/12/14 | | 13,091,485 | 29,835 | | | | | 1,411,117 | | | | 3,187,701 | | | |
| 04/13/14 | | 13,099,571 | 8,086 | | | | | 1,412,822 | | | | 3,195,631 | | | |
| 04/15/14 | | 13,135,912 | 36,341 | | | | | 1,424,711 | | | | 3,224,028 | | | |
| 04/18/14 | | 13,165,955 | 30,043 | | | | | 1,434,115 | | | | 3,247,300 | | | |
| 04/22/14 | | 13,210,016 | 44,061 | | 7.6 | 0.44 | 0.377 | 1,440,204 | 7.4 | 0.72 | | 3,258,396 | 7.5 | 0.31 | |
| | 05/01/14 | 13,211,258 | | April | | | Pounds Cr | | | | | | | | |
| 05/01/14 | | 13,211,345 | 1,329 | 151,279 | | | 0.475 | | 1,451,524 | | | | 3,282,450 | | |
| 05/13/14 | | 13,267,656 | 56,311 | | 7.5 | 0.28 | 0.273 | 1,471,868 | 7.3 | 0.73 | | 3,326,392 | 7.4 | 0.20 | |
| 05/14/14 | | 13,280,912 | 13,256 | | | | | 1,475,015 | | | | 3,337,773 | | | |
| 05/15/14 | | 13,286,754 | 5,842 | | | | | 1,476,780 | | | | 3,342,511 | | | |
| 05/20/14 | | 13,304,068 | 17,314 | | | | | 1,483,692 | | | | 3,355,729 | | | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|---|-------------------|-------------------|------|--|-------------------|-------------------|----|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 | Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 | Reading (gallons) | pH |
| | 06/01/14 | 13,332,599 | | May | | | Pounds Cr | | | | | | | |
| 06/02/14 | | 13,336,115 | 32,047 | 121,341 | | 0.276 | | 1,495,755 | | | 3,382,176 | | | |
| 06/12/14 | | 13,372,027 | 35,912 | | 7.9 | 0.40 | 0.381 | 1,508,756 | 7.6 | 0.60 | 3,410,073 | 7.8 | 0.20 | |
| 06/14/14 | | 13,374,936 | 2,909 | | | | | 1,510,080 | | | 3,412,070 | | | |
| 06/17/14 | | 13,379,348 | 4,412 | | | | | 1,512,220 | | | 3,415,268 | | | |
| 06/19/14 | | 13,394,274 | 14,926 | | | | | 1,514,826 | | | 3,429,626 | | | |
| 06/20/14 | | 13,401,646 | 7,372 | | | | | 1,517,014 | | | 3,436,003 | | | |
| 06/30/14 | | 13,444,046 | 42,400 | | | | | 1,531,745 | | | 3,470,067 | | | |
| | 07/01/14 | 13,445,046 | | June | | | Pounds Cr | 1,532,601 | | | 3,472,302 | | | |
| 07/01/14 | | 13,446,138 | 2,092 | 112,447 | | 0.357 | | | | | | | | |
| 07/02/14 | | 13,449,088 | 2,950 | | | | | 1,533,460 | | | 3,475,127 | | | |
| 07/09/14 | | 13,463,816 | 14,728 | | 7.7 | 0.68 | 0.689 | 1,539,906 | 7.4 | 1.0 | 3,486,800 | 7.4 | 1.0 | |
| 07/14/14 | | 13,472,104 | 8,288 | | | | | 1,543,805 | | | 3,492,830 | | | |
| 07/28/14 | | 13,480,642 | 8,538 | July | | | Pounds Cr | 1,551,065 | | | 3,501,179 | | | |
| | 08/01/14 | 13,481,746 | | 36,700 | | 0.211 | | | | | | | | |
| 08/01/14 | | 13,481,837 | 1,195 | | | | | 1,552,341 | | | 3,502,760 | | | |
| 08/13/14 | | 13,495,032 | 13,195 | | 7.9 | 0.681 | 0.72 | 1,557,877 | 7.5 | 1.16 | 3,511,069 | 7.7 | 0.92 | |
| 08/17/14 | | 13,502,593 | 7,561 | | | | | 1,560,483 | | | 3,517,406 | | | |
| 08/19/14 | | 13,509,446 | 6,853 | | | | | 1,562,278 | | | 3,523,163 | | | |
| 08/20/14 | | 13,517,300 | 7,854 | | | | | 1,563,989 | | | 3,530,111 | | | |
| 08/22/14 | | 13,525,676 | 8,376 | | | | | 1,567,014 | | | 3,536,533 | | | |
| 08/25/14 | | 13,534,424 | 8,748 | | | | | 1,571,333 | | | 3,542,173 | | | |
| 08/29/14 | | 13,539,488 | 5,064 | | | | | 1,573,914 | | | 3,545,371 | | | |
| 08/30/14 | | 13,542,314 | 2,826 | August | | | Pounds Cr | 1,575,198 | | | 3,547,361 | | | |
| | 09/01/14 | 13,543,999 | | 62,253 | | 0.37 | | | | | | | | |
| 09/02/14 | | 13,546,601 | 4,287 | | | | | 1,577,338 | | | 3,550,419 | | | |
| 09/05/14 | | 13,550,482 | 3,881 | | | | | 1,579,481 | | | 3,553,370 | | | |
| 09/08/14 | | 13,562,709 | 12,227 | | | | | 1,582,918 | | | 3,564,025 | | | |
| 09/17/14 | | 13,579,703 | 16,994 | | 7.9 | 0.60 | 0.546 | 1,589,348 | 7.6 | 1.16 | 3,577,644 | 7.3 | 0.36 | |
| 09/24/14 | | 13,593,114 | 13,411 | September | | | Pounds Cr | 1,595,011 | | | 3,577,644 | | | |
| | 10/01/14 | 13,602,541 | | 58,542 | | 0.27 | | 1,600,155 | | | 3,577,644 | | | |
| 10/01/14 | | 13,603,009 | 9,895 | | | | | 1,600,155 | | | 3,577,644 | | | |
| 10/16/14 | | 13,633,400 | 30,391 | | 7.3 | 0.67 | 0.596 | 1,610,440 | 7.8 | 1.28 | 3,619,044 | 7.4 | 0.36 | |
| 10/28/14 | | 13,658,462 | 25,062 | October | | | Pounds Cr | 1,621,724 | | | 3,636,660 | | | |
| | 11/01/14 | 13,662,568 | | 60,027 | | 0.298 | | | | | | | | |
| 11/01/14 | | 13,663,621 | 5,159 | | | | | 1,624,238 | | | 3,640,194 | | | |
| 11/12/14 | | 13,672,756 | 9,135 | | 8.1 | 1.1 | 0.980 | 1,629,780 | 7.6 | 1.62 | 3,648,121 | 8.1 | 1.08 | |
| 11/30/14 | | 13,695,977 | 23,221 | | | | | 1,640,533 | | | 3,663,353 | | | |
| | 12/01/14 | 13,696,416 | | November | | | Pounds Cr | | | | | | | |
| 12/01/14 | | 13,697,118 | 1,141 | 37,515 | | 0.306 | | 1,640,533 | | | 3,663,353 | | | |
| 12/04/14 | | 13,701,386 | 4,268 | | | | | 1,643,108 | | | 3,666,947 | | | |
| 12/08/14 | | 13,705,980 | 4,594 | | | | | 1,645,245 | | | 3,670,118 | | | |
| 12/12/14 | | 13,709,486 | 3,506 | | 8.1 | 1.5 | 1.320 | 1,646,957 | 7.7 | 2.72 | 3,672,490 | 8.5 | 0.35 | |
| 12/31/14 | | 13,768,265 | 58,779 | | | | | 1,666,522 | | | 3,720,581 | | | |
| | 01/01/15 | 13,769,665 | | December | | | Pounds Cr | | | | | | | |
| 01/01/15 | | 13,770,654 | 2,389 | 73,249 | | 0.805 | | 1,667,388 | | | 3,722,195 | | | |
| 01/12/15 | | 13,785,790 | 15,136 | | 8.2 | 0.65 | 0.597 | 1,674,271 | 7.8 | 1.36 | 3,733,018 | 7.3 | 0.20 | |
| 01/31/15 | | 13,798,407 | 12,617 | | | | | 1,679,866 | | | 3,742,191 | | | |
| | 02/01/15 | 13,798,602 | | January | | | Pounds Cr | | | | | | | |
| 02/01/15 | | 13,798,727 | 320 | 28,937 | | 0.144 | | 1,679,866 | | | 3,742,588 | | | |
| 02/04/15 | | 13,800,127 | 1,400 | | 8.1 | 0.74 | 0.721 | 1,680,719 | 7.9 | 1.48 | 3,743,379 | 7.1 | 0.17 | |
| 02/16/15 | | 13,804,943 | 4,816 | | | | | 1,682,892 | | | 3,746,962 | | | |
| 02/20/15 | | 13,805,957 | 1,014 | | | | | 1,683,320 | | | 3,747,752 | | | |
| 02/24/15 | | 13,806,974 | 1,017 | | | | | 1,683,745 | | | 3,748,542 | | | |
| 02/28/15 | | 13,808,369 | 1,395 | | | | | 1,684,600 | | | 3,749,334 | | | |
| | 03/01/15 | 13,808,507 | | February | | | Pounds Cr | | | | | | | |
| 03/01/15 | | 13,808,690 | 321 | 9,905 | | 0.059 | | 1,684,600 | | | 3,749,728 | | | |
| 03/18/15 | | 13,815,075 | 6,385 | | 8.2 | 0.80 | 0.713 | 1,687,150 | 7.2 | 1.00 | 3,757,618 | 8.0 | 0.34 | |

TABLE 1
Influent - Effluent Compliance Summary

N.W. Mauthe Superfund Site
Appleton, Wisconsin
Terracon Project No. 58117057

| Date Actual | OUTFALL 001 | | | | | | | Manhole #1 | | | Manhole #2 | | | |
|-------------|-------------------------------|-------------------------------------|--|-----------------------------|-----|--|---|-------------------|-------------------|------|--|-------------------|-------------------|----|
| | Date For Linear Interpolation | Metered Discharge Reading (gallons) | Gallons Discharged Between Meter Reading | Monthly Discharge (gallons) | pH | Hexavalent Chromium Lab Analysis (mg/L) [Local Limit 4.5 mg/L] | Total Chromium Lab Analysis (mg/L) [Local Limit 7.0 mg/L] | Flow Totalizer #1 | Reading (gallons) | pH | Hexavalent Chromium Hach Test Kit (mg/L) | Flow Totalizer #2 | Reading (gallons) | pH |
| 03/23/15 | | 13,815,928 | 853 | | | | | 1,688,046 | | | | 3,759,604 | | |
| 03/25/15 | | 13,816,332 | 404 | | | | | 1,688,901 | | | | 3,759,889 | | |
| 03/26/15 | | 13,816,697 | 365 | | | | | 1,689,329 | | | | 3,760,382 | | |
| | 04/01/15 | 13,822,714 | | March | | | Pounds Cr | | | | | | | |
| 04/07/15 | | 13,823,071 | 6,374 | 14,207 | | | 0.084 | 1,694,467 | | | | 3,765,931 | | |
| 04/15/15 | | 13,856,854 | 33,783 | | 7.4 | 0.92 | 0.858 | 1,704,938 | 7.7 | 1.92 | 3,792,943 | 7.0 | 0.25 | |
| 04/30/15 | | 13,885,187 | 28,333 | | | | | 1,718,370 | | | | 3,812,262 | | |
| | 05/01/15 | 13,885,585 | | April | | | Pounds Cr | | | | | | | |
| 05/04/15 | | 13,889,467 | 4,280 | 62,871 | | | 0.449 | 1,720,520 | | | | 3,815,063 | | |
| 05/13/15 | | 13,898,048 | 8,581 | | 8.0 | 0.60 | 0.554 | 1,724,812 | 7.8 | 0.92 | 3,820,667 | 8.1 | 0.37 | |
| 05/18/15 | | 13,905,897 | 7,849 | | | | | 1,727,444 | | | | 3,827,133 | | |
| 05/19/15 | | 13,909,365 | 3,468 | | | | | 1,728,740 | | | | 3,830,304 | | |
| 05/23/15 | | 13,914,964 | 5,599 | | | | | 1,731,329 | | | | 3,834,357 | | |
| 05/25/15 | | 13,920,921 | 5,957 | | | | | 1,733,052 | | | | 3,839,818 | | |
| 05/28/15 | | 13,937,530 | 16,609 | | | | | 1,736,965 | | | | 3,854,997 | | |
| | 06/01/15 | 13,958,452 | | May | | | Pounds Cr | | | | | | | |
| 06/02/15 | | 13,967,174 | 29,644 | 72,867 | | | 0.336 | 1,746,201 | | | | 3,878,793 | | |
| 06/03/15 | | 13,970,819 | 3,645 | | | | | 1,747,948 | | | | 3,881,197 | | |
| 06/10/15 | | 13,986,712 | 15,893 | | 7.4 | 0.60 | 0.547 | 1,755,299 | 7.1 | 0.66 | 3,892,044 | 7.2 | 0.27 | |
| 06/16/15 | | 14,018,102 | 31,390 | | | | | 1,765,062 | | | | 3,917,649 | | |
| 06/19/15 | | 14,042,191 | 24,089 | | | | | 1,772,128 | | | | 3,937,351 | | |
| 06/28/15 | | 14,066,780 | 24,589 | | | | | 1,781,741 | | | | 3,956,167 | | |
| 06/30/15 | | 14,069,200 | 2,420 | | | | | 1,783,061 | | | | 3,957,962 | | |
| | 07/01/15 | 14,069,642 | | June | | | Pounds Cr | | | | | | | |
| 07/01/15 | | 14,069,914 | 714 | 111,190 | | | 0.506 | 1,783,061 | | | | 3,957,962 | | |
| 07/08/15 | | 14,077,301 | 7,387 | | 7.7 | 0.37 | 0.351 | 1,787,623 | 7.2 | 0.68 | 3,963,593 | 7.5 | 0.23 | |
| 07/14/15 | | 14,085,720 | 8,419 | | | | | 1,790,678 | | | | 3,970,192 | | |
| 07/29/15 | | 14,114,029 | 28,309 | | | | | 1,804,056 | | | | 3,993,110 | | |
| | 08/01/15 | 14,115,454 | | July | | | Pounds Cr | | | | | | | |
| 08/05/15 | | 14,117,883 | 3,854 | 45,812 | | | 0.134 | 1,807,395 | | | | 3,995,776 | | |
| 08/12/15 | | 14,131,529 | 13,646 | | | 0.41 | 0.371 | 1,812,749 | 7.2 | 0.51 | 4,006,460 | 7.1 | 0.19 | |
| 08/17/15 | | 14,137,372 | 5,843 | | | | | 1,816,582 | | | | 4,010,201 | | |
| 08/18/15 | | 14,138,406 | 1,034 | | | | | 1,817,349 | | | | 4,011,060 | | |
| 08/27/15 | | 14,145,800 | 7,394 | | | | | 1,822,802 | | | | 4,016,771 | | |
| | 09/01/15 | 14,151,425 | | August | | | Pounds Cr | | | | | | | |
| 09/04/15 | | 14,155,393 | 9,593 | 35,971 | | | 0.111 | 1,828,088 | | | | 4,025,183 | | |
| 09/09/15 | | 14,175,870 | 20,477 | | 7.6 | 0.23 | 0.208 | 1,833,613 | 7.2 | 0.72 | 4,041,266 | 7.0 | 0.14 | |
| 09/18/15 | | 14,191,902 | 16,032 | | | | | 1,843,839 | | | | 4,055,798 | | |
| 09/28/15 | | 14,211,188 | 19,286 | | | | | 1,852,031 | | | | 4,069,063 | | |
| 09/29/15 | | 14,211,559 | 371 | | | | | 1,852,459 | | | | 4,069,894 | | |
| | 10/01/15 | 14,212,577 | | September | | | Pounds Cr | | | | | | | |
| 10/01/15 | | 14,212,781 | 1,222 | 61,152 | | | 0.106 | 1,853,738 | | | | 4,071,365 | | |

Italicized red type metered discharge reading was calculated by linear interpolation to 12 midnight.

| Industrial User (Wastewater Discharge) Permit 12-21 Outfall 001 Effluent Limits | | |
|---|---------------------|----------------|
| pH | Hexavalent Chromium | Total Chromium |
| Between 5.0 and 12.4 s.u. | <4.5 mg/L | <7.0 mg/L |

TABLE 2
City of Appleton Compliance Limits, Outfall 001
N.W. Mauthe Superfund Site - Appleton, WI

| | | Aluminum (mg/L) | Arsenic (mg/L) | Cadmium (mg/L) | Chromium Total (mg/L) | Copper (mg/L) | Cyanide (mg/L) | Lead (mg/L) | Mercury (mg/L) | Nickel (mg/L) | Zinc (mg/L) | Hexavalent Chromium (mg/L) |
|----------------------|-------------|--------------------|-------------------|-------------------|-----------------------------|------------------|-------------------|----------------|-------------------|------------------|----------------|----------------------------------|
| Permit #12-21 Limits | | 70 | 1.0 | 0.3 | 7.0 | 3.5 | 1.0 | 2.0 | 0.002 | 2.0 | 10.0 | 4.5 |
| Sampler | Sample Date | | | | | | | | | | | |
| CH2M Hill | 02/20/97 | <.02 | <.003 | <.00050 | 0.04 | <.01 | <.00001 | <.005 | <.0002 | <.005 | 0.0051 | <.01 |
| CH2M Hill | 03/24/98 | 0.0152 | <.002 | <.00004 | 0.0637 | <.0095 | <.0017 | <.0006 | <.000015 | <.0095 | 0.0046 | 0.1000 |
| Appleton | 04/29/98 | <.011 | <.002 | <.005 | 0.2200 | <.05 | 0.0020 | <.1 | <.0002 | <.04 | <.005 | NA |
| Appleton | 10/07/98 | <.011 | <.002 | 0.0050 | 0.1700 | <.05 | <.001 | <.1 | <.0002 | <.04 | 0.0250 | NA |
| MCO | 03/18/99 | <.009 | <.003 | <.00031 | NA | .00068**** | <.000032 | <.0024 | <.00005 | .00351**** | <.012 | <.0036 |
| Appleton | 03/18/99 | <.011 | <.002 | <.005 | <.05 | <.05 | 0.0010 | 0.1000 | <.00005 | 0.0400 | 0.0180 | NA |
| Appleton | 09/21/99 | <.011 | <.002 | <.005 | <.05 | <.05 | 0.0030 | <.1 | <.00015 | <.04 | 0.0080 | NA |
| Appleton | 02/15/00 | <.015 | <.0020 | <.005 | 0.0900 | <.05 | <.001 | <.1 | <.00013 | <.04 | 0.0280 | NA |
| MCO | 03/13/00 | <.009 | <.003 | <.00031 | 0.1400 | <.0006 | <.0044 | <.0024 | <.00005 | 0.0012 | <.012 | NA |
| Appleton | 02/21/01 | <.015 | <.002 | <.005 | 0.11 | <.05 | 0.001 | <.1 | <.00013 | <.04 | 0.042 | NA |
| MCO | 03/01/01 | <.034 | <.0027 | .012 *** | 0.25 | .0088 **** | <.0033 | <.17 | <.00005 | .036 *** | 0.015 | <.0036 |
| Appleton | 10/02/01 | 0.016 | <.002 | <.005 | 0.14 | <.05 | <.001 | <.1 | <.00013 | <.04 | 0.065 | NA |
| MCO | 03/19/02 | <.034 | <.0027 | <.0075 | 0.36 | <.0077 | <.0027 | <.17 | <.00005 | <.017 | <.012 | <.0036 |
| Appleton | 05/02/02 | <.049 | <.012 | <.014 | 0.362 | <.015 | <.0014 | <.060 | <.00011 | <.011 | <.009 | NA |
| Appleton | 11/12/02 | 0.027 | <.0082 | <.00053 | 0.23 | <.009 | <.0007 | <.00084 | <.000028 | 0.0044 | 0.0081 | NA |
| Appleton | 02/11/03 | <.027 | <.0082 | <.00053 | 0.086 | <.0009 | <.0014 | <.0013 | <.000028 | 0.0036 | <.0025 | NA |
| Appleton | 03/24/03 | <.045 | <.0027 | <.0088 | 0.13 | 0.075 | <.0050 | <.16 | <.000050 | <.019 | <.0044 | <.0036 |
| Appleton | 10/23/03 | 0.0045 | 0.0013 | <.00001 | 0.221 | <.00008 | <.0005 | <.00006 | 0.0002 | <.025 | <.010 | NA |
| Appleton | 03/24/04 | <.050 | <.0026 | <.010 | 0.15 | <.0060 | <.00050 | <.16 | <.000025 | <.020 | <.010 | NA |
| Appleton | 11/09/04 | 0.0071 | <.0012 | <.00001 | 0.04 | 0.0008 | <.0005 | <.008 | <.0002 | 0.0013 | <.01 | NA |
| MCO | 08/08/05 | 0.023 | <.0035 | <.00003 | 0.039 | 0.0019 | <.0037 | <.0011 | <.000026 | <.0044 | 0.0024 | <.005 |
| Appleton | 11/05/06 | 0.0052 | <.0012 | <.00001 | 0.088 | <.00005 | <.005 | <.0008 | <.0002 | 0.0017 | <.010 | NA |
| Appleton | 02/23/06 | 0.0021 | <.0012 | <.00001 | 0.08 | <.00005 | <.00005 | <.0008 | <.0002 | 0.0022 | <.010 | NA |
| MCO | 03/23/06 | <.20 | <.0076 | <.000074 | 0.32 | 0.0018 | 0.0043 | <.0034 | <.000026 | 0.0033 | <.020 | NA |
| Appleton | 06/27/06 | <.200 | <.0076 | <.000074 | 0.700 | 0.0016 | <.00094 | <.0034 | <.000072 | 0.0021 | <.020 | <.350 |
| Appleton | 10/05/06 | 0.037 | <.000011 | <.00001 | 4.575 | 0.0068 | 0.01 | <.001 | <.0002 | 0.0026 | <.010 | NA |
| Appleton | 03/22/07 | <.07 | <.07 | <.01 | 1.9 | 3.5 | <.004 | <.03 | <.0002 | <.04 | <.01 | NA |
| MCO | 04/02/07 | 0.0383 | 0.00024 | 0.000086 | 1.41 | 0.0041 | <.00094 | 0.00013 | <.000019 | 0.0035 | 0.009 | NA |
| Appleton | 12/04/07 | <.07 | <.001 | <.01 | 3.4 | <.01 | 0.008 | <.03 | <.0002 | <.04 | <.01 | 1.5 |
| Appleton | 01/16/08 | 0.21 | <.005 | <.01 | <.03 | 0.02 | 0.017 | 0.06 | 0.0003 | <.04 | 0.04 | NA |
| OMNNI | 04/08/08 | 0.0114 | 0.00043 | 0.00011 | 0.864 | 0.0043 | 0.014 J | 0.000095 J | <.00001 | 0.0024 | 0.0071 | 0.063 |
| Appleton | 08/19/08 | <.08 | <.001 | <.01 | 0.95 | <.01 | 0.005 | <.03 | 0.0002 | <.02 | <.01 | NA |
| Appleton | 03/31/09 | <.09 | <.012 | <.01 | 0.99 | <.01 | <.008 | <.05 | <.0002 | <.02 | <.01 | NA |
| OMNNI | 04/07/09 | <.0151 | 0.003 J | 0.00040 J | 0.767 | 0.0024 J | <.00060 | <.0014 | <.000010 | 0.0016 J | 0.0137 J | 0.84 |
| Appleton | 09/22/09 | <.08 | <.006 | <.01 | 2.3 | <.01 | <.008 | <.05 | <.0002 | <.02 | <.01 | NA |
| Appleton | 03/02/10 | <.06 | <.002 | <.01 | 1.6 | <.01 | <.008 | <.03 | <.0002 | <.01 | <.01 | NA |
| OMNNI | 04/06/10 | 0.0501 J | <.0014 | 0.00043 J | 1.16 | 0.0024 J | <.00061 | <.000075 | <.00001 | 0.0023 J | 0.0046 J | 1.3 |
| Appleton | 11/02/10 | <.10 | <.010 | <.01 | 0.71 | <.01 | <.008 | <.03 | <.0002 | <.01 | <.01 | NA |
| Appleton | 02/24/11 | <.08 | <.001 | <.01 | 1.5 | <.01 | 0.008 | <.04 | <.0002 | <.02 | <.01 | NA |
| OMNNI | 04/05/11 | 0.0725 J | 0.0025 J | <.000026 | 0.401 | 0.0028 J | <.00061 | <.00014 | <.000010 | 0.00053 J | 0.0023 J | 0.40 |
| Appleton | 10/26/11 | <.08 | <.005 | <.01 | 1.2 | <.01 | 0.007 | <.04 | <.0002 | <.02 | <.01 | NA |
| Appleton | 03/21/12 | <.11 | <.004 | <.01 | 1.3 | 0.01 | 0.007 | <.04 | <.0002 | <.02 | <.01 | NA |
| Terracon | 04/05/12 | <.0695 | <.0047 | <.000039 | 0.696 | 0.014 J | <.00061 | <.0014 | <.000010 | 0.001 J | <.0053 | 0.83 |
| Appleton | 10/04/12 | 0.0865 | 0.0051 | 0.00049 | 1.43 | 0.0028 J | 0.026 | 0.0022 | 0.0001 | 0.00019 J | <.0053 | NA |
| Terracon | 04/11/13 | 0.078 | <.004 | <.000048 | 0.431 | 0.0024 J | <.00038 | <.027 | <.000010 | 0.00013 J | <.0024 | 0.42 |
| Appleton | 04/17/13 | <.0714 | <.0042 | <.000048 | 0.279 | 0.0029 J | <.00038 | <.027 | <.000010 | 0.00062 J | <.0024 | NA |
| Appleton | 11/20/13 | <.0714 | <.0042 | <.000048 | 1.13 | 0.0018 J | 0.0044 J | <.027 | <.000010 | 0.00085 J | 0.0034 J | NA |
| Appleton | 04/15/14 | 0.119 J | <.0068 | <.001 | 0.27 | 0.0036 J | <.060 | <.0016 | <.000010 | <.0013 | <.0058 | NA |
| Terracon | 05/13/14 | 0.116 J | <.0068 | <.001 | 0.273 | 0.0034 J | <.060 | 0.0040 J | <.000010 | <.0013 | 0.0064 J | 0.28 |
| Appleton | 9/24/2014 | <.0655 | <.0068 | <.001 | 0.757 | <.0034 | <.010 | <.0016 | <.000010 | <.0013 | <.0058 | NA |
| Terracon | 4/15/2015 | 0.054 J | <.0072 | <.000060 | 0.858 | 0.0041 J | <.010 | <.0030 | <.000010 | <.0014 | 0.0026 J | 0.92 |
| Appleton | 6/3/2015 | <.0655 | <.0068 | <.001 | 0.504 | <.0034 | <.020 | <.0016 | <.000010 | 0.0013 J | <.00058 | NA |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| W-2 | 02/01/97 | - | | 798.66 |
| | 05/01/97 | - | | 801.01 |
| | 09/01/97 | - | | 800.28 |
| | 12/01/97 | - | 804.66 | 797.69 |
| | 03/01/98 | - | | 802.08 |
| | 06/01/98 | - | | 799.38 |
| | 10/27/98 | 5.85 | | 798.81 |
| | 02/08/99 | 4.50 | | 800.16 |
| | 06/08/99 | 3.31 | | 801.35 |
| | 09/13/99 | 5.78 | | 798.88 |
| | 12/15/99 | 6.63 | | 798.03 |
| | 03/13/00 | 1.60 | | 803.06 |
| | 06/22/00 | 2.63 | | 802.03 |
| | 09/27/00 | 3.28 | | 801.38 |
| | 12/19/00 | 4.78 | | 799.88 |
| | 03/01/01 | 5.93 | | 798.73 |
| | 06/19/01 | 1.83 | | 802.83 |
| | 09/24/01 | 5.94 | | 798.72 |
| | 12/05/01 | 4.93 | | 799.73 |
| | 03/19/02 | 1.08 | | 803.58 |
| | 06/20/02 | 2.78 | | 801.88 |
| | 09/18/02 | 6.38 | | 798.28 |
| | 12/17/02 | 6.81 | | 797.85 |
| | 03/24/03 | 4.31 | | 800.35 |
| | 06/10/03 | 3.14 | | 801.52 |
| | 09/10/03 | 6.11 | | 798.55 |
| | 12/10/03 | 4.03 | | 800.63 |
| | 03/24/04 | 1.26 | | 803.40 |
| | 07/09/04 | 3.44 | | 801.22 |
| | 09/21/04 | 6.79 | | 797.87 |
| | 03/29/05 | 4.51 | | 800.15 |
| | 06/20/05 | 4.83 | | 799.83 |
| | 09/21/05 | 6.21 | | 798.45 |
| | 12/14/05 | 5.51 | | 799.15 |
| | 03/21/06 | 0.08 | | 804.58 |
| | 06/28/06 | 6.02 | | 798.64 |
| | 09/20/06 | 8.75 | | 795.91 |
| | 12/09/06 | 6.20 | | 798.46 |
| | 03/13/07 | 3.80 | | 800.86 |
| | 07/03/07 | 6.16 | | 798.50 |
| | 09/27/07 | 5.66 | | 799.00 |
| | 04/16/08 | 5.91 | | 798.75 |
| | 04/03/09 | 1.20 | | 803.46 |
| | 03/17/10 | 1.37 | | 803.29 |
| | 04/29/11 | 0.65 | | 804.01 |
| | 03/14/12 | 1.55 | | 803.11 |
| | 04/29/13 | 1.68 | | 802.98 |
| | 04/21/14 | 0.80 | | 803.86 |
| | 09/16/14 | 7.19 | | 797.47 |
| | 04/13/15 | 1.55 | | 803.11 |
| | | | | |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| W-8 | 02/01/97 | - | | 797.22 |
| | 05/01/97 | - | | 797.66 |
| | 09/01/97 | - | | 798.01 |
| | 12/01/97 | - | 803.36 | 796.52 |
| | 03/01/98 | - | | 798.16 |
| | 06/01/98 | - | | 797.31 |
| | 10/27/98 | 6.41 | | 796.95 |
| | 02/08/99 | 5.49 | | 797.87 |
| | 06/08/99 | 4.38 | | 798.98 |
| | 09/13/99 | 6.71 | | 796.65 |
| | 12/15/99 | 6.91 | | 796.45 |
| | 03/13/00 | 6.25 | | 797.11 |
| | 06/22/00 | 6.42 | | 797.34 |
| | 09/27/00 | 5.66 | | 797.70 |
| | 12/19/00 | 6.80 | | 796.56 |
| | 03/01/01 | 5.41 | | 797.95 |
| | 06/19/01 | 5.02 | | 798.34 |
| | 09/24/01 | 3.38 | | 799.98 |
| | 12/05/01 | 7.02 | | 796.34 |
| | 03/19/02 | 3.63 | | 799.73 |
| | 06/20/02 | 5.66 | | 797.70 |
| | 09/18/02 | 6.93 | | 796.43 |
| | 12/17/02 | 9.00 | | 794.36 |
| | 03/24/03 | 6.18 | | 797.18 |
| | 06/10/03 | 6.11 | | 797.25 |
| | 09/10/03 | 6.71 | | 796.65 |
| | 12/10/03 | 6.62 | | 796.74 |
| | 03/23/04 | 6.55 | | 796.81 |
| | 07/09/04 | 6.11 | | 797.25 |
| | 09/21/04 | 7.08 | | 796.28 |
| | 03/29/05 | 6.24 | | 797.12 |
| | 06/20/05 | 6.60 | | 796.76 |
| | 09/21/05 | 6.84 | | 796.52 |
| | 12/14/05 | 6.71 | | 796.65 |
| | 03/21/06 | 6.57 | | 796.79 |
| | 06/28/06 | 7.18 | | 796.18 |
| | 09/20/06 | 7.07 | | 796.29 |
| | 12/19/06 | 6.87 | | 796.49 |
| | 03/13/07 | 6.48 | | 796.88 |
| | 07/03/07 | 7.29 | | 796.07 |
| | 09/27/07 | 6.52 | | 796.84 |
| | 04/16/08 | 6.11 | | 797.25 |
| | 04/03/09 | 6.16 | | 797.20 |
| | 03/17/10 | 6.14 | | 797.22 |
| | 04/29/11 | 5.92 | | 797.44 |
| | 03/14/12 | 6.09 | | 797.27 |
| | 04/29/13 | 6.46 | | 796.90 |
| | 04/21/14 | 6.20 | | 797.16 |
| | 09/16/14 | 6.27 | | 797.09 |
| | 04/13/15 | 6.09 | | 797.27 |
| | | | | |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| W-15 | 02/01/97 | - | | 793.97 |
| | 05/01/97 | - | | 796.92 |
| | 09/01/97 | - | | 797.23 |
| | 12/01/97 | - | 803.76 | 795.52 |
| | 03/01/98 | - | | 796.78 |
| | 06/01/98 | - | | 796.32 |
| | 10/27/98 | 7.95 | | 795.81 |
| | 02/08/99 | 9.19 | | 794.57 |
| | 06/08/99 | 6.89 | | 796.87 |
| | 09/13/99 | 7.85 | | 795.91 |
| | 12/15/99 | 8.97 | | 794.79 |
| | 03/13/00 | 7.80 | | 795.96 |
| | 06/22/00 | 6.42 | | 797.34 |
| | 09/27/00 | 6.30 | | 797.46 |
| | 12/19/00 | 7.99 | | 795.77 |
| | 03/01/01 | 9.52 | | 794.24 |
| | 06/19/01 | 6.91 | | 796.82 |
| | 09/24/01 | 6.65 | | 797.11 |
| | 12/05/01 | 8.15 | | 795.61 |
| | 03/19/02 | 7.22 | | 796.54 |
| | 06/20/02 | 6.84 | | 796.92 |
| | 09/18/02 | 7.28 | | 796.48 |
| | 12/17/02 | 9.98 | | 793.78 |
| | 03/24/03 | 9.77 | | 793.99 |
| | 06/10/03 | 7.04 | | 796.72 |
| | 09/10/03 | 7.06 | | 796.70 |
| | 12/10/03 | 7.15 | | 796.61 |
| | 03/23/04 | 6.58 | | 797.18 |
| | 07/09/04 | 6.45 | 803.66 **** | 797.21 |
| | 09/21/04 | 7.26 | | 796.40 |
| | 03/29/05 | 7.50 | | 796.16 |
| | 06/20/05 | 6.82 | | 796.84 |
| | 09/21/05 | 7.05 | | 796.61 |
| | 12/14/05 | 7.88 | | 795.78 |
| | 03/21/06 | 6.95 | | 796.71 |
| | 06/28/06 | 6.98 | 803.42 **** | 796.44 |
| | 09/20/06 | 7.13 | | 796.29 |
| | 12/19/06 | 8.02 | | 795.40 |
| | 03/13/07 | 7.22 | | 796.20 |
| | 07/03/07 | 7.00 | | 796.42 |
| | 09/27/07 | 6.67 | | 796.75 |
| | 04/16/08 | - | | - |
| | 04/03/09 | 6.24 | | 797.18 |
| | 03/17/10 | 7.19 | | 796.23 |
| | 04/29/11 | 6.21 | | 797.21 |
| | 03/14/12 | 6.62 | | 796.80 |
| | 04/29/13 | 6.41 | | 797.35 |
| | 04/21/14 | ICE | | #VALUE! |
| | 09/16/14 | 6.40 | 803.96 | 797.56 |
| | 04/13/15 | 6.45 | 803.96 | 797.51 |
| | | | | |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-101 | 02/01/97 | - | | 797.16 |
| | 05/01/97 | - | | 799.99 |
| | 09/01/97 | - | | 798.67 |
| | 12/01/97 | - | 807.59 | 798.21 |
| | 03/01/98 | - | | 803.43 |
| | 06/01/98 | - | | 800.48 |
| | 10/27/98 | 10.26 | | 797.33 |
| | 02/08/99 | 11.91 | | 795.68 |
| | 06/08/99 | 9.79 | | 797.80 |
| | 09/13/99 | 10.35 | | 797.24 |
| | 12/15/99 | 9.01 | | 798.58 |
| | 03/13/00 | 12.67 | | 794.92 |
| | 06/22/00 | 6.28 | | 801.31 |
| | 09/27/00 | 10.41 | | 797.18 |
| | 12/19/00 | 10.73 | | 796.86 |
| | 03/01/01 | 12.61 | | 794.98 |
| | 06/19/01 | 8.43 | | 799.16 |
| | 09/24/01 | 10.50 | | 797.09 |
| | 12/05/01 | 10.98 | | 796.61 |
| | 03/19/02 | 8.10 | | 799.49 |
| | 06/20/02 | 7.08 | | 800.51 |
| | 09/18/02 | 10.23 | | 797.36 |
| | 12/17/02 | 12.47 | | 795.12 |
| | 03/24/03 | 10.00 | | 797.59 |
| | 06/10/03 | 7.41 | | 800.18 |
| | 09/10/03 | 9.53 | | 798.06 |
| | 12/10/03 | 8.31 | | 799.28 |
| | 03/23/04 | 5.95 | | 801.64 |
| | 07/09/04 | 7.84 | | 799.75 |
| | 09/21/04 | 10.50 | | 797.09 |
| | 03/29/05 | 9.00 | | 798.59 |
| | 06/20/05 | 9.28 | | 798.31 |
| | 09/21/05 | 9.64 | | 797.95 |
| | 12/14/05 | 8.93 | | 798.66 |
| | 03/21/06 | 8.10 | | 799.49 |
| | 06/28/06 | 8.88 | | 798.71 |
| | 09/20/06 | 8.90 | | 798.69 |
| | 12/19/06 | 8.95 | | 798.64 |
| | 03/13/07 | 8.73 | | 798.86 |
| | 07/03/07 | 7.39 | | 800.20 |
| | 09/27/07 | 7.31 | | 800.28 |
| | 04/16/08 | 3.76 | | 803.83 |
| | 04/03/09 | 5.09 | | 802.50 |
| | 03/17/10 | 7.27 | | 800.32 |
| | 04/29/11 | 3.36 | | 804.23 |
| | 03/14/12 | 6.55 | | 801.04 |
| | 04/29/13 | 5.46 | | 802.13 |
| | 04/21/14 | 3.64 | 807.60 | 803.95 |
| | 09/16/14 | 5.37 | | 802.23 |
| | 04/13/15 | 3.80 | | 803.80 |
| | | | | |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-102 | 02/01/97 | - | | 780.72 |
| | 05/01/97 | - | | 780.89 |
| | 09/01/97 | - | | 780.79 |
| | 12/01/97 | - | 804.45 | 780.95 |
| | 03/01/98 | - | | 780.47 |
| | 06/01/98 | - | | 780.72 |
| | 10/27/98 | 24.11 | | 780.34 |
| | 02/08/99 | 23.84 | | 780.61 |
| | 06/08/99 | 23.59 | | 780.86 |
| | 09/13/99 | 23.70 | | 780.75 |
| | 12/15/99 | 24.27 | | 780.18 |
| | 03/13/00 | 24.00 | | 780.45 |
| | 06/22/00 | 23.69 | | 780.76 |
| | 09/27/00 | 23.65 | | 780.80 |
| | 12/19/00 | 24.06 | | 780.39 |
| | 03/01/01 | 26.01 | | 778.44 |
| | 06/19/01 | 23.35 | | 781.10 |
| | 09/24/01 | 23.88 | | 780.57 |
| | 12/05/01 | 24.08 | | 780.37 |
| | 03/19/02 | 23.75 | | 780.70 |
| | 06/20/02 | 23.05 | | 781.40 |
| | 09/18/02 | 24.50 | | 779.95 |
| | 12/17/02 | 25.30 | | 779.15 |
| | 03/24/03 | 23.80 | | 780.65 |
| | 06/10/03 | 23.09 | | 781.36 |
| | 09/10/03 | 23.98 | 804.37 *** | 780.39 |
| | 12/10/03 | 23.22 | | 781.15 |
| | 03/23/04 | 23.56 | | 780.81 |
| | 07/09/04 | 23.52 | | 780.85 |
| | 09/21/04 | 24.65 | | 779.72 |
| | 03/29/05 | 21.24 | | 783.13 |
| | 06/20/05 | 23.81 | | 780.56 |
| | 09/21/05 | 24.71 | | 779.66 |
| | 12/14/05 | 24.25 | | 780.12 |
| | 03/21/06 | 23.39 | | 780.98 |
| | 06/28/06 | 23.95 | | 780.42 |
| | 09/20/06 | 25.15 | | 779.22 |
| | 12/19/06 | 25.26 | | 779.11 |
| | 03/13/07 | 24.41 | | 779.96 |
| | 07/03/07 | 23.89 | | 780.48 |
| | 09/27/07 | 24.38 | | 779.99 |
| | 04/16/08 | 23.20 | | 781.13 |
| | 04/03/09 | 23.48 | | 780.89 |
| | 03/17/10 | 23.44 | | 780.93 |
| | 04/29/11 | 23.18 | | 781.19 |
| | 03/14/12 | 23.48 | | 780.89 |
| | 04/29/13 | 21.05 | | 783.40 |
| | 04/21/14 | 21.33 | | 783.12 |
| | 09/16/14 | 23.83 | | 780.62 |
| | 04/13/15 | 20.85 | | 783.60 |
| | | | | |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-103 | 02/01/97 | - | | 795.29 |
| | 05/01/97 | - | | 791.83 |
| | 09/01/97 | - | | 789.60 |
| | 12/01/97 | - | 803.74 | 787.78 |
| | 03/01/98 | - | | 791.03 |
| | 06/01/98 | - | | 789.13 |
| | 10/27/98 | 11.96 | | 791.78 |
| | 02/08/99 | 10.24 | | 793.50 |
| | 06/08/99 | 8.69 | | 795.05 |
| | 09/13/99 | 9.79 | | 793.95 |
| | 12/15/99 | 12.68 | | 791.06 |
| | 03/13/00 | 9.63 | | 794.07 |
| | 06/22/00 | 8.22 | | 795.52 |
| | 09/27/00 | 7.76 | | 795.98 |
| | 12/19/00 | 10.78 | | 792.96 |
| | 03/01/01 | 9.15 | | 794.59 |
| | 06/19/01 | 5.52 | | 798.22 |
| | 09/24/01 | 9.80 | | 793.94 |
| | 12/05/01 | 11.13 | | 792.61 |
| | 03/19/02 | 4.96 | | 798.78 |
| | 06/20/02 | 7.42 | | 796.32 |
| | 09/18/02 | 9.00 | | 794.74 |
| | 12/17/02 | 13.01 | | 790.73 |
| | 03/24/03 | 7.63 | | 796.11 |
| | 06/10/03 | 7.77 | | 795.97 |
| | 09/10/03 | 9.60 | | 794.14 |
| | 12/10/03 | 8.09 | | 795.65 |
| | 03/23/04 | 4.01 | | 797.73 |
| | 07/09/04 | 12.91 | | 790.83 |
| | 09/21/04 | 10.30 | | 793.44 |
| | 03/29/05 | NR | | --- |
| | 06/20/05 | 9.55 | | 794.19 |
| | 09/21/05 | 9.70 | | 794.04 |
| | 12/14/05 | 10.40 | | 793.34 |
| | 03/21/06 | 7.87 | | 795.87 |
| | 06/28/06 | 9.75 | | 793.99 |
| | 09/20/06 | 11.23 | | 792.51 |
| | 12/20/06 | 10.36 | | 793.38 |
| | 03/13/07 | 9.91 | | 793.83 |
| | 07/03/07 | 9.45 | | 794.29 |
| | 09/27/07 | 9.52 | | 794.22 |
| | 04/16/08 | 7.06 | | 796.68 |
| | 09/22/08 | 9.62 | | 794.12 |
| | 04/03/09 | 8.22 | | 795.52 |
| | 09/01/09 | 9.78 | | 793.96 |
| | 03/17/10 | 8.07 | | 795.67 |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-103 | 09/09/10 | 8.66 | | 795.08 |
| | 04/29/11 | 4.32 | | 799.42 |
| | 09/01/11 | 9.63 | | 794.11 |
| | 03/14/12 | 7.95 | | 795.79 |
| | 09/11/12 | 11.30 | | 792.44 |
| | 04/29/13 | 6.47 | | 797.27 |
| | 09/18/13 | 5.91 | | 797.83 |
| | 04/21/14 | 6.15 | | 797.59 |
| | 09/16/14 | 4.74 | | 799.00 |
| | 04/13/15 | 5.33 | | 798.41 |
| | 09/14/15 | 5.73 | | 798.01 |
| | | | | |
| MW-104 | 02/01/97 | - | | 792.94 |
| | 05/01/97 | - | | 789.91 |
| | 09/01/97 | - | | 798.59 |
| | 12/01/97 | - | 807.28 | 795.70 |
| | 03/01/98 | - | | 799.46 |
| | 06/01/98 | - | | 796.60 |
| | 10/27/98 | 10.51 | | 796.77 |
| | 02/08/99 | 9.04 | | 798.24 |
| | 06/08/99 | 7.49 | | 799.79 |
| | 09/13/99 | 10.28 | | 797.00 |
| | 12/15/99 | 10.78 | | 796.50 |
| | 03/13/00 | 9.51 | | 797.77 |
| | 06/22/00 | 8.41 | | 798.88 |
| | 09/27/00 | 8.61 | | 798.67 |
| | 12/19/00 | 10.49 | | 796.79 |
| | 03/01/01 | 8.44 | | 798.84 |
| | 06/19/01 | 7.51 | | 799.71 |
| | 09/24/01 | 10.39 | | 796.89 |
| | 12/05/01 | 10.81 | | 796.47 |
| | 03/19/02 | 7.82 | | 799.46 |
| | 06/20/02 | 8.60 | | 798.68 |
| | 09/18/02 | 12.05 | | 795.23 |
| | 12/17/02 | 12.70 | | 794.58 |
| | 03/24/03 | 12.60 | | 794.68 |
| | 06/10/03 | 8.81 | | 798.47 |
| | 09/10/03 | 11.17 | | 796.11 |
| | 12/10/03 | 8.66 | | 798.62 |
| | 03/23/04 | 7.44 | | 799.84 |
| | 09/21/04 | 15.21 | | 792.07 |
| | 03/29/05 | 11.09 | | 796.19 |
| | 06/20/05 | 9.57 | | 797.71 |
| | 09/21/05 | 18.95 | | 788.33 |
| | 12/14/05 | 9.94 | | 797.34 |
| | 03/21/06 | 8.53 | | 798.75 |
| | 06/28/06 | 11.23 | | 796.05 |
| | 09/20/06 | 12.81 | | 794.47 |
| | 12/20/06 | 24.46 | | 782.82 |
| | 03/13/07 | 12.11 | | 795.17 |
| | 07/03/07 | 13.04 | | 794.24 |
| | 09/27/07 | 21.47 | | 785.81 |
| | 04/16/08 | 7.88 | | 799.40 |
| | 09/22/08 | 17.08 | | 790.20 |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-104 | 04/03/09 | 7.93 | | 799.35 |
| | 09/01/09 | 19.45 | | 787.83 |
| | 03/17/10 | 8.13 | | 799.15 |
| | 09/09/10 | 11.46 | | 795.82 |
| | 04/29/11 | 7.60 | | 799.68 |
| | 09/01/11 | 17.67 | | 789.61 |
| | 03/14/12 | 8.28 | | 799.00 |
| | 09/11/12 | 24.08 | | 783.20 |
| | 04/29/13 | 8.62 | | 798.66 |
| | 09/18/13 | 20.00 | | 787.28 |
| | 04/21/14 | 8.65 | | 798.63 |
| | 09/16/14 | 8.53 | | 798.75 |
| | 04/13/15 | 7.28 | | 800.00 |
| | 09/14/15 | 8.54 | | 798.74 |
| | | | | |
| MW-105 | 02/01/97 | - | | 793.74 |
| | 05/01/97 | - | | 800.60 |
| | 09/01/97 | - | | 800.37 |
| | 12/01/97 | - | 803.96 | 799.03 |
| | 03/01/98 | - | | 800.08 |
| | 06/01/98 | - | | 800.50 |
| | 10/27/98 | 5.41 | | 798.55 |
| | 02/08/99 | 6.46 | | 797.50 |
| | 06/08/99 | 3.04 | | 800.92 |
| | 09/13/99 | 4.60 | | 799.36 |
| | 12/15/99 | 5.28 | | 798.68 |
| | 03/13/00 | 4.97 | | 798.99 |
| | 06/22/00 | 3.06 | | 800.90 |
| | 09/27/00 | 3.38 | | 800.58 |
| | 12/19/00 | 5.28 | | 798.68 |
| | 03/01/01 | 7.24 | | 796.72 |
| | 06/19/01 | 2.43 | | 801.53 |
| | 09/24/01 | 3.87 | | 800.09 |
| | 12/05/01 | 5.55 | | 798.41 |
| | 03/19/02 | 3.94 | | 800.02 |
| | 06/20/02 | 4.08 | | 799.88 |
| | 09/18/02 | 5.40 | | 798.56 |
| | 12/17/02 | 7.34 | | 796.62 |
| | 03/24/03 | 6.81 | | 797.15 |
| | 06/10/03 | 4.27 | | 799.69 |
| | 09/10/03 | 4.88 | 803.84 *** | 798.96 |
| | 12/10/03 | 4.36 | | 799.24 |
| | 03/23/04 | 3.80 | | 800.04 |
| | 07/09/04 | 3.61 | 803.74 **** | 800.13 |
| | 09/21/04 | 4.92 | | 798.82 |
| | 03/29/05 | 3.85 | | 799.89 |
| | 06/20/05 | 4.15 | | 799.59 |
| | 09/21/05 | 4.70 | | 799.04 |
| | 12/14/05 | 5.25 | | 798.49 |
| | 03/21/06 | 4.26 | | 799.48 |
| | 06/28/06 | 4.81 | 803.54 ***** | 798.73 |
| | 09/20/06 | 4.51 | | 799.03 |
| | 12/19/06 | 5.40 | | 798.14 |
| | 03/13/07 | 6.46 | 803.46***** | 797.08 |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-105 | 07/03/07 | 4.30 | | 799.16 |
| | 09/27/07 | 3.81 | | 799.65 |
| | 04/16/08 | 3.53 | | 799.93 |
| | 04/03/09 | 3.29 | | 800.17 |
| | 03/17/10 | 4.05 | | 799.41 |
| | 04/29/11 | 2.30 | | 801.16 |
| | 03/14/12 | 3.50 | | 799.96 |
| | 04/29/13 | 3.41 | | 800.55 |
| | 04/21/14 | 2.68 | | 801.28 |
| | 09/16/14 | 3.40 | | 800.56 |
| | 04/13/15 | 2.94 | | 801.02 |
| | | | | |
| MW-106 | 02/01/97 | - | | 794.75 |
| | 05/01/97 | - | | 797.23 |
| | 09/01/97 | - | | 796.91 |
| | 12/01/97 | - | 804.08 | 795.48 |
| | 03/01/98 | - | | 797.37 |
| | 06/01/98 | - | | 796.76 |
| | 10/27/98 | 8.12 | | 795.96 |
| | 02/08/99 | 9.75 | | 794.33 |
| | 06/08/99 | 6.72 | | 797.36 |
| | 09/13/99 | 7.88 | | 796.20 |
| | 12/15/99 | 8.71 | | 795.37 |
| | 03/13/00 | 8.72 | | 795.36 |
| | 06/22/00 | 6.87 | | 797.21 |
| | 09/27/00 | 7.41 | | 796.67 |
| | 12/19/00 | 8.55 | | 795.53 |
| | 03/01/01 | 9.54 | | 794.54 |
| | 06/19/01 | 6.30 | | 797.78 |
| | 09/24/01 | 7.57 | | 796.51 |
| | 12/05/01 | 8.72 | | 795.36 |
| | 03/19/02 | 7.64 | | 796.44 |
| | 06/20/02 | 7.21 | | 796.87 |
| | 09/18/02 | 7.88 | | 796.20 |
| | 12/17/02 | 10.49 | | 793.59 |
| | 03/24/03 | 9.98 | | 794.10 |
| | 06/10/03 | 7.54 | | 796.54 |
| | 09/10/03 | 7.35 | 804.00 *** | 796.65 |
| | 12/10/03 | 7.18 | | 796.82 |
| | 03/23/04 | 7.54 | | 796.46 |
| | 07/09/04 | 6.48 | 803.90 **** | 797.42 |
| | 09/21/04 | 8.02 | | 795.88 |
| | 03/29/05 | 8.26 | | 795.64 |
| | 06/20/05 | 7.31 | | 796.59 |
| | 09/21/05 | 7.85 | | 796.05 |
| | 12/14/05 | 8.47 | | 795.43 |
| | 03/21/06 | 7.41 | | 796.49 |
| | 06/28/06 | 7.78 | 803.83 ***** | 796.05 |
| | 09/20/06 | 7.90 | | 795.93 |
| | 12/19/06 | 8.39 | | 795.44 |
| | 03/13/07 | 9.08 | | 794.75 |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-106 | 07/03/07 | 7.35 | | 796.48 |
| | 09/27/07 | 6.92 | | 796.91 |
| | 04/16/08 | 5.65 | | 798.18 |
| | 04/03/09 | 7.03 | | 796.80 |
| | 03/17/10 | 7.03 | | 796.80 |
| | 04/29/11 | 5.05 | | 798.78 |
| | 03/14/12 | 6.75 | | 797.33 |
| | 04/29/13 | 7.04 | | 797.04 |
| | 04/21/14 | Inaccessible | | #VALUE! |
| | 09/16/14 | 6.11 | 804.15 | 798.04 |
| | 04/13/15 | 5.77 | 804.15 | 798.38 |
| | | | | |
| MW-107 | 02/01/97 | - | | 788.23 |
| | 05/01/97 | - | | 796.60 |
| | 09/01/97 | - | | 797.64 |
| | 12/01/97 | - | 809.01 | 796.49 |
| | 03/01/98 | - | | 796.68 |
| | 06/01/98 | - | | 796.31 |
| | 10/27/98 | 10.71 | | 798.30 |
| | 02/08/99 | 11.11 | | 797.90 |
| | 06/08/99 | 11.04 | | 797.97 |
| | 09/13/99 | 11.55 | | 797.46 |
| | 12/15/99 | 11.66 | | 797.35 |
| | 03/13/00 | 11.13 | | 797.88 |
| | 06/22/00 | 10.69 | | 798.32 |
| | 09/27/00 | 12.36 | | 796.65 |
| | 12/19/00 | 7.32 | | 799.29 |
| * | 03/01/01 | - | | - |
| | 06/19/01 | 10.10 | 809.06 ** | 798.96 |
| | 09/24/01 | 11.23 | | 797.88 |
| | 12/05/01 | 11.59 | | 797.47 |
| | 03/19/02 | 9.79 | | 799.27 |
| | 06/20/02 | 10.18 | | 798.88 |
| | 09/18/02 | 11.16 | | 797.90 |
| | 12/17/02 | 12.11 | | 796.95 |
| | 03/24/03 | 12.46 | | 796.60 |
| | 06/10/03 | 10.40 | | 798.66 |
| | 09/10/03 | 11.34 | | 797.72 |
| | 12/10/03 | 10.88 | | 798.18 |
| | 03/23/04 | 9.04 | | 800.02 |
| | 07/09/04 | 11.53 | | 797.53 |
| | 09/21/04 | 12.55 | | 796.51 |
| | 03/29/05 | 10.48 | | 798.58 |
| | 06/20/05 | 11.14 | | 797.92 |
| | 09/21/05 | 11.69 | | 797.37 |
| | 12/14/05 | 11.10 | | 797.96 |
| | 03/21/06 | 10.09 | | 798.97 |
| | 06/28/06 | 11.69 | | 797.37 |
| | 09/20/06 | 12.14 | | 796.92 |
| | 12/19/06 | 11.45 | | 797.61 |
| | 03/13/07 | 10.95 | | 798.11 |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-107 | 07/03/07 | 11.34 | | 797.72 |
| | 09/27/07 | 10.86 | | 798.20 |
| | 04/16/08 | 8.92 | | 800.14 |
| | 09/22/08 | 11.35 | | 797.71 |
| | 04/03/09 | 9.02 | | 800.04 |
| | 09/01/09 | 11.15 | | 797.91 |
| | 03/17/10 | 9.09 | | 799.97 |
| | 09/09/10 | 10.72 | | 798.34 |
| | 04/29/11 | 8.17 | | 800.89 |
| | 09/01/11 | 11.14 | | 797.92 |
| | 03/14/12 | 8.74 | | 800.32 |
| | 09/11/12 | 11.51 | | 797.55 |
| | 04/29/13 | 9.33 | | 799.76 |
| | 09/17/13 | 11.15 | | 797.94 |
| | 04/21/14 | 8.35 | | 800.74 |
| | 09/16/14 | 10.19 | | 798.90 |
| | 04/13/15 | 8.86 | | 800.23 |
| | 09/14/15 | 9.60 | | 799.49 |
| | | | | |
| MW-108 | 02/01/97 | - | | 798.36 |
| | 05/01/97 | - | | 793.32 |
| | 09/01/97 | - | | 790.53 |
| | 12/01/97 | - | 806.61 | 788.65 |
| | 03/01/98 | - | | 795.59 |
| | 06/01/98 | - | | 789.30 |
| | 10/27/98 | 6.98 | | 799.63 |
| | 02/08/99 | 6.72 | | 799.89 |
| | 06/08/99 | 5.80 | | 800.81 |
| | 09/13/99 | 6.68 | | 799.93 |
| | 12/15/99 | 6.87 | | 799.74 |
| | 03/13/00 | 6.84 | | 799.77 |
| | 06/22/00 | 6.28 | | 800.33 |
| | 09/27/00 | 6.31 | | 800.30 |
| | 12/19/00 | 11.42 | | 797.59 |
| | 03/01/01 | 7.04 | | 799.57 |
| | 06/19/01 | 5.87 | | 800.74 |
| | 09/24/01 | 6.52 | | 800.09 |
| | 12/05/01 | 7.70 | | 798.91 |
| | 03/19/02 | 6.25 | | 800.36 |
| | 06/20/02 | 6.43 | | 800.18 |
| | 09/18/02 | 6.72 | | 799.89 |
| | 12/17/02 | 7.78 | | 798.83 |
| | 03/24/03 | 8.69 | | 797.96 |
| | 06/10/03 | 7.00 | | 799.61 |
| | 09/10/03 | 6.91 | | 799.70 |
| | 12/10/03 | 5.18 | | 801.43 |
| | 03/23/04 | 6.24 | | 800.37 |
| | 07/09/04 | 6.12 | | 800.49 |
| | 09/21/04 | 6.91 | | 799.70 |
| | 03/29/05 | 6.64 | | 799.97 |
| | 06/20/05 | 6.78 | | 799.83 |
| | 09/21/05 | 6.66 | | 799.95 |
| | 12/14/05 | 6.68 | | 799.93 |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-108 | 03/21/06 | 6.71 | | 799.90 |
| | 06/28/06 | 6.82 | | 799.79 |
| | 09/20/06 | 6.75 | | 799.86 |
| | 12/19/06 | 6.90 | | 799.71 |
| | 03/13/07 | 6.75 | | 799.86 |
| | 07/03/07 | 7.53 | | 799.08 |
| | 09/27/07 | 6.55 | | 800.06 |
| | 04/16/08 | 1.27 | | 805.34 |
| | 04/03/09 | 6.04 | | 800.57 |
| | 03/17/10 | 6.32 | | 800.29 |
| | 04/29/11 | 6.76 | | 799.85 |
| | 03/14/12 | 6.39 | | 800.22 |
| | 04/29/13 | 6.58 | | 800.03 |
| | 04/21/14 | 6.64 | | 799.97 |
| | 09/16/14 | 6.57 | | 800.04 |
| | 04/13/15 | 6.42 | | 800.19 |
| | | | | |
| MW-109 | 06/21/06 | 8.98 | 810.52 | 801.54 |
| | 09/20/06 | 8.90 | | 801.62 |
| | 12/19/06 | 9.68 | | 800.84 |
| | 03/13/07 | 9.32 | | 801.20 |
| | 07/03/07 | 9.11 | | 801.41 |
| | 09/27/07 | 8.08 | | 802.44 |
| | 04/16/08 | 7.68 | | 802.84 |
| | 09/22/08 | 9.04 | | 801.48 |
| | 04/03/09 | 7.85 | | 802.67 |
| | 09/01/09 | 8.53 | | 801.99 |
| | 03/17/10 | 8.05 | | 802.47 |
| | 09/09/10 | 9.46 | | 801.06 |
| | 04/29/11 | 7.39 | | 803.13 |
| | 09/01/11 | 9.54 | | 800.98 |
| | 03/14/12 | 7.71 | | 802.81 |
| | 09/11/12 | 8.99 | | 801.53 |
| | 04/29/13 | 8.92 | | 801.60 |
| | 09/17/13 | 8.29 | | 802.23 |
| | 04/21/14 | 7.76 | | 802.76 |
| | 09/16/14 | 8.09 | | 802.43 |
| | 04/13/15 | 7.71 | | 802.81 |
| | 09/14/15 | 8.20 | | 802.32 |
| | | | | |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-110 | 06/21/06 | 10.39 | 809.81 | 799.42 |
| | 09/20/06 | 11.09 | | 798.72 |
| | 12/19/06 | 11.06 | | 798.75 |
| | 03/13/07 | 11.04 | | 798.77 |
| | 07/03/07 | 10.60 | | 799.21 |
| | 09/27/07 | 10.33 | | 799.48 |
| | 04/16/08 | 8.31 | | 801.50 |
| | 09/22/08 | 10.67 | | 799.14 |
| | 04/03/09 | 8.72 | | 801.09 |
| | 09/01/09 | 10.52 | | 799.29 |
| | 03/17/10 | 8.92 | | 800.89 |
| | 09/09/10 | 10.24 | | 799.57 |
| | 04/29/11 | 6.72 | | 803.09 |
| | 09/01/11 | 10.57 | | 799.24 |
| | 03/14/12 | 7.98 | | 801.83 |
| | 09/11/12 | 10.91 | | 798.90 |
| | 04/29/13 | 8.75 | | 801.06 |
| | 09/17/13 | 10.47 | | 799.34 |
| | 04/21/14 | 7.12 | | 802.69 |
| | 09/16/14 | 9.57 | | 800.24 |
| | 04/13/15 | 7.13 | | 802.68 |
| | 09/14/15 | 9.20 | | 800.61 |
| MW-111 | 06/21/06 | 10.69 | 807.59 | 796.90 |
| | 09/20/06 | 13.45 | | 794.14 |
| | 12/19/06 | 14.97 | | 792.62 |
| | 03/13/07 | 9.63 | | 797.96 |
| | 07/03/07 | 9.00 | | 798.59 |
| | 09/27/07 | 8.66 | | 798.93 |
| | 04/16/08 | 5.46 | | 802.13 |
| | 09/22/08 | 10.03 | | 797.56 |
| | 04/03/09 | 5.68 | | 801.91 |
| | 09/01/09 | 9.95 | | 797.64 |
| | 03/17/10 | 6.17 | | 801.42 |
| | 09/09/10 | 8.83 | | 798.76 |
| | 04/29/11 | 5.25 | | 802.34 |
| | 09/01/11 | 9.33 | | 798.26 |
| | 03/14/12 | 6.11 | | 801.48 |
| | 09/11/12 | 12.61 | | 794.98 |
| | 04/29/13 | 6.61 | | 800.98 |
| | 09/18/13 | 10.80 | | 796.79 |
| | 04/21/14 | 5.65 | | 801.94 |
| | 09/16/14 | 7.66 | | 799.93 |
| | 04/13/15 | 5.79 | | 801.80 |
| | 09/14/15 | 8.10 | | 799.49 |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| MW-112 | 06/21/06 | 15.70 | 808.14 | 792.44 |
| | 09/20/06 | 10.75 | | 797.39 |
| | 12/19/06 | 11.93 | | 796.21 |
| | 03/13/07 | 10.23 | | 797.91 |
| | 07/03/07 | 8.91 | | 799.23 |
| | 09/27/07 | 9.01 | | 799.13 |
| | 04/16/08 | 6.57 | | 801.57 |
| | 09/22/08 | 9.29 | | 798.85 |
| | 04/03/09 | 6.85 | | 801.29 |
| | 09/01/09 | 9.32 | | 798.82 |
| | 03/17/10 | 7.87 | | 800.27 |
| | 09/09/10 | 8.57 | | 799.57 |
| | 04/29/11 | 3.69 | | 804.45 |
| | 09/01/11 | 9.19 | | 798.95 |
| | 03/14/12 | 3.49 | | 804.69 |
| | 09/11/12 | 10.57 | | 797.57 |
| | 04/29/13 | 6.11 | | 802.03 |
| | 09/17/13 | 9.72 | | 798.42 |
| | 04/21/14 | 3.58 | | 804.56 |
| | 09/16/14 | 8.34 | | 799.80 |
| | 04/13/15 | 3.73 | | 804.41 |
| | 09/14/15 | 8.50 | | 799.64 |
| | | | | |
| MW-113 | 06/21/06 | 9.69 | 808.24 | 798.55 |
| | 09/20/06 | 10.27 | | 797.97 |
| | 12/19/06 | 10.03 | | 798.21 |
| | 03/13/07 | 8.93 | | 799.31 |
| | 07/03/07 | 9.75 | | 798.49 |
| | 09/27/07 | 9.67 | | 798.57 |
| | 04/16/08 | 7.03 | | 801.21 |
| | 09/22/08 | 9.97 | | 798.27 |
| | 04/03/09 | 7.41 | | 800.83 |
| | 09/01/09 | 9.72 | | 798.52 |
| | 03/17/10 | 7.37 | | 800.87 |
| | 09/09/10 | 9.48 | | 798.76 |
| | 04/29/11 | 6.50 | | 801.74 |
| | 09/01/11 | 9.74 | | 798.50 |
| | 03/14/12 | 6.86 | | 801.38 |
| | 09/11/12 | 10.11 | | 798.13 |
| | 04/29/13 | 8.14 | | 800.10 |
| | 09/17/13 | 9.80 | | 798.44 |
| | 04/21/14 | 6.95 | | 801.29 |
| | 09/16/14 | 9.00 | | 799.24 |
| | 04/13/15 | 6.53 | | 801.71 |
| | 09/14/15 | 8.40 | | 799.84 |
| | | | | |

TABLE 3
Groundwater Elevations
 N.W. Mauthe Superfund Site - Appleton, WI
 Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| PZ-05 | 07/19/05 | 37.39 | 810.88 | 773.49 |
| | 09/21/05 | 28.56 | | 782.32 |
| | 12/19/06 | 27.98 | | 782.90 |
| | 03/13/07 | 28.61 | | 782.27 |
| | 07/03/07 | 28.00 | | 782.88 |
| | 09/27/07 | 28.06 | | 782.82 |
| | 04/16/08 | 27.83 | | 810.88 |
| | 04/03/09 | 28.00 | | 782.88 |
| | 03/17/10 | 28.33 | | 782.55 |
| | 04/29/11 | 27.33 | | 783.55 |
| | 03/14/12 | 27.68 | | 783.20 |
| | 04/29/13 | 27.40 | | 783.48 |
| | 04/21/14 | 27.88 | | 783.00 |
| | 09/16/14 | 27.40 | | 783.48 |
| | 04/13/15 | 28.78 | | 782.10 |
| | | | | |
| PZ-06 | 07/19/05 | 36.31 | 809.77 | 773.46 |
| | 09/21/05 | 29.79 | | 779.98 |
| | 12/19/06 | 29.49 | | 780.28 |
| | 03/13/07 | 29.93 | | 779.84 |
| | 07/03/07 | 30.03 | | 779.74 |
| | 09/27/07 | 29.54 | | 780.23 |
| | 04/16/08 | 28.97 | | 809.77 |
| | 04/03/09 | 29.15 | | 780.62 |
| | 03/17/10 | 29.72 | | 780.05 |
| | 04/29/11 | 28.37 | | 781.40 |
| | 03/14/12 | 28.85 | | 780.92 |
| | 04/29/13 | 28.40 | | 781.37 |
| | 04/21/14 | 28.91 | | 780.86 |
| | 09/16/14 | 28.80 | | 780.97 |
| | 04/13/15 | 30.00 | | 779.77 |
| | | | | |

TABLE 3
Groundwater Elevations
N.W. Mauthe Superfund Site - Appleton, WI
Terracon Project No. 58117057

| Well Name | Date Measured | Depth To Water (feet) | Reference Elevation (To Top PVC) (feet) | Groundwater Elevation (feet) |
|-----------|---------------|-----------------------|---|------------------------------|
| PZ-07 | 07/19/05 | 32.03 | 804.48 | 772.45 |
| | 09/21/05 | 27.34 | | 777.14 |
| | 12/19/06 | 29.37 | | 775.11 |
| | 03/13/07 | 24.41 | | 780.07 |
| | 07/03/07 | 23.74 | | 780.74 |
| | 09/27/07 | 25.15 | | 779.33 |
| | 04/16/08 | 23.83 | | 804.48 |
| | 04/03/09 | 23.76 | | 780.72 |
| | 03/17/10 | 24.33 | | 780.15 |
| | 04/29/11 | 23.27 | | 781.21 |
| | 03/14/12 | 23.70 | | 780.78 |
| | 04/29/13 | 24.19 | | 780.29 |
| | 04/21/14 | 23.94 | | 780.54 |
| | 09/16/14 | 22.65 | | 781.83 |
| | 04/13/15 | 23.21 | | 781.27 |
| | | | | |
| PZ-08 | 07/19/05 | 32.07 | 804.35 | 772.28 |
| | 09/21/05 | 24.47 | | 779.88 |
| | 12/19/06 | 28.16 | | 776.19 |
| | 03/13/07 | 21.90 | | 782.45 |
| | 07/03/07 | 23.19 | | 781.16 |
| | 09/27/07 | 22.47 | | 781.88 |
| | 04/16/08 | 21.00 | | 804.35 |
| | 04/03/09 | 20.63 | | 783.72 |
| | 03/17/10 | 21.25 | | 783.10 |
| | 04/29/11 | 20.65 | | 783.70 |
| | 03/14/12 | 20.94 | | 783.41 |
| | 04/29/13 | 20.25 | | 784.10 |
| | 04/21/14 | 20.09 | | 784.26 |
| | 09/16/14 | 20.71 | | 783.64 |
| | 04/13/15 | 21.02 | | 783.33 |
| | | | | |

* Casing for MW-107 was damaged. Groundwater elevation could not be determined.

** Reflects new elevation of MW-107 after repair to well casing.

*** Monitoring wells re-surveyed after casings were shortened.

**** New elevation after the PVC casing was shortened after the March 23, 2004 sampling event.

***** New elevation after the PVC casing was shortened after the March 21, 2006 sampling event.

*****New elevation after PVC casing was shortened after the December 19, 2006 sampling event.

Note: OMNNI Associates, Inc. collected water level readings from MW-109 to MW-113 on June 21, 2006 and September 20, 2006 and from PZ-5 to PZ-8 on July 19, 2005 and September 21, 2005.

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| W-2 | 02/20/97 | NR | 8.00 | 6.00 | 750 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.74 | 10.10 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 7.01 | 14.50 | 910 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.33 | 9.50 | 820 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.96 | 7.90 | 1235 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.59 | 10.20 | 1057 us | NA | NA | NA | NA |
| | 10/27/98 | 4 | 7.93 | 14.80 | 1278 us | 1.40 | 119.00 | 12.00 | 0.00 |
| | 02/09/99 | 4 | 8.47 | 9.50 | 1278 us | 2.10 | 146.00 | 16.00 | 0.20 |
| | 06/08/99 | 4 | 7.20 | 14.60 | 1234 us | 1.00 | 85.00 | 11.20 | 1.00 |
| | 09/13/99 | 5.1 | 7.34 | 15.00 | 1254 us | 1.90 | (136.00) | 9.60 | 0.00 |
| | 12/15/99 | 4.8 | 7.77 | 11.80 | 1199 us | 1.50 | (231.00) | 4.80 | 0.00 |
| | 03/13/00 | 7 | 6.17 | 8.90 | 1278 us | 1.30 | 59.00 | 7.60 | 0.00 |
| | 06/22/00 | 4.4 | 7.86 | 12.10 | 1240 us | 1.50 | 59.00 | 7.60 | 0.00 |
| | 09/27/00 | 6.6 | 6.39 | 16.40 | 1140 us | 1.90 | (187.00) | 9.60 | 0.00 |
| | 12/19/00 | 5 | 7.66 | 9.50 | 1171 us | 1.85 | (161.00) | 11.20 | 0.00 |
| | 03/01/01 | 3.5 | 7.42 | 10.50 | 1084 us | 1.41 | (222.00) | 9.20 | 0.00 |
| | 06/19/01 | 7 | 7.81 | 15.60 | 1980 us | 1.10 | (18.00) | 8.40 | 0.00 |
| | 09/24/01 | 5 | 7.48 | 13.40 | 1712 us | 0.90 | (38.00) | 6.60 | 0.00 |
| | 12/05/01 | 5 | 7.51 | 10.20 | 1244 us | 1.10 | (71.00) | 9.60 | 0.00 |
| | 03/19/02 | 6 | 7.51 | 10.60 | 977 us | 1.10 | (210.00) | 13.20 | 0.00 |
| | 06/20/02 | 6 | 7.40 | 15.00 | 1870 us | 0.80 | (88.00) | 8.80 | 0.00 |
| | 09/18/02 | 5 | 7.18 | 14.80 | 1138 us | 1.00 | (99.00) | 10.40 | 0.00 |
| | 12/17/02 | 4 | 7.34 | 10.30 | 1187 us | 1.00 | (103.00) | 9.60 | 0.00 |
| | 03/24/03 | 4 | 7.30 | 10.30 | 1077 us | 1.00 | (310.00) | 10.00 | 0.00 |
| | 06/10/03 | 6 | 7.21 | 14.90 | 1620 us | 1.00 | (110.00) | 12.80 | 0.00 |
| | 09/10/03 | 4 | 7.09 | 14.60 | 1210 us | 0.80 | (111.00) | 8.80 | 0.00 |
| | 03/24/04 | 4.5 | 7.30 | 7.40 | 1210 us | EM | 6.00 | NA | 0.00 |
| | 03/29/05 | 4.5 | 7.20 | 6.30 | 1182 us | 3.40 | 85.00 | NA | 0.00 |
| | 03/23/06 | 7 | 6.60 | 10.50 | 2470 us | 2.65 | 191.00 | NA | 0.03 |
| | 03/27/07 | 4 | 7.4 | 9.0 | 1240 us | 8.0 | 243 | NA | 0.04 |
| | 04/16/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | 1.25 | 7.45 | 7.1 | 1276.0 µs | 0.69 | 126.7 | NA | 0.17 |
| | 04/14/15 | 4 | 5.88 | 8.94 | 6.14 mS/cm | 1.91 | (194.0) | NA | 2.44 |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| W-8 | 02/20/97 | NR | 8.20 | 7.50 | 1000 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.30 | 10.40 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 7.07 | 17.00 | 1250 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.32 | 11.20 | 1090 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.34 | 7.90 | 1590 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.95 | 11.50 | 1407 us | NA | NA | NA | NA |
| | 10/27/98 | 5 | 7.42 | 16.70 | 1459 us | 1.30 | 97.00 | 14.40 | 0.20 |
| | 02/09/99 | 3.9 | 8.08 | 11.20 | 1386 us | 1.30 | 21.00 | 8.00 | 2.40 |
| | 06/08/99 | 5.5 | 7.23 | 14.80 | 1283 us | 1.80 | 85.00 | 14.00 | 5.60 |
| | 09/13/99 | 5.2 | 7.12 | 16.30 | 1363 us | 1.70 | (143.00) | 14.40 | 1.60 |
| | 12/15/99 | 5.1 | 7.25 | 10.30 | 1375 us | 0.90 | (288.00) | 14.40 | 1.20 |
| | 03/13/00 | 5 | 7.06 | 8.80 | 1277 us | 1.10 | (33.00) | 8.40 | 1.00 |
| | 06/22/00 | 5 | 8.58 | 14.60 | 1177 us | 1.97 | (120.00) | 6.80 | 0.00 |
| | 09/27/00 | 6 | 7.60 | 18.10 | 1098 us | 1.50 | (178.00) | 10.00 | 0.00 |
| | 12/19/00 | 4 | 7.67 | 8.30 | 1227 us | 1.14 | (267.00) | 11.60 | 0.00 |
| | 03/01/01 | 5 | 7.51 | 11.10 | 1175 us | 1.20 | (311.00) | 11.20 | 0.00 |
| | 06/19/01 | 6 | 7.93 | 14.80 | 1310 us | 0.80 | (24.00) | 6.20 | 0.00 |
| | 09/24/01 | 6 | 7.37 | 13.10 | 1177 us | 0.40 | 4.00 | 6.40 | 0.00 |
| | 12/05/01 | 5 | 7.30 | 10.40 | 1288 us | 1.00 | (163.00) | 12.40 | 0.00 |
| | 03/19/02 | 6 | 7.44 | 10.90 | 1044 us | 1.30 | (280.00) | 11.20 | 0.00 |
| | 06/20/02 | 6 | 7.51 | 14.20 | 1240 us | 0.80 | (90.00) | 6.20 | 0.00 |
| | 09/18/02 | 5 | 7.31 | 15.60 | 1221 us | 1.30 | (104.00) | 14.60 | 1.00 |
| | 12/17/03 | 3 | 7.28 | 10.60 | 1,155 | 1.10 | (172.00) | 12.40 | 0.40 |
| | 03/24/03 | 5 | 7.18 | 10.60 | 1131 us | 0.80 | (342.00) | 11.20 | 0.00 |
| | 06/10/03 | 4 | 7.30 | 15.00 | 1133 us | 0.80 | (121.00) | 8.80 | 0.00 |
| | 09/10/03 | 5 | 7.22 | 15.00 | 1240 us | 1.00 | (175.00) | 11.60 | 0.80 |
| | 03/24/04 | 4.3 | 7.40 | 7.80 | 755 us | EM | (47.00) | NA | 0.00 |
| | 03/29/05 | 4 | 7.10 | 7.80 | 1743 us | 3.43 | 87.00 | NA | 0.00 |
| | 03/23/06 | 4 | 7.20 | 8.30 | 2560 us | 4.00 | 227.00 | NA | 0.00 |
| | 03/27/07 | 3 | 7.3 | 10.3 | 1438 us | 6.71 | 237 | NA | 0.03 |
| | 04/16/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | 1.25 | 7.52 | 8.5 | 1510.0 µs | 3.32 | 222 | NA | 0.03 |
| | 04/13/15 | 1.5 | 6.55 | 8.49 | 4.74 mS/cm | 5.92 | 138 | NA | <0.0129 |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| W-15 | 02/20/97 | NR | 8.15 | 9.00 | 920 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.66 | 10.00 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 7.22 | 16.00 | 1300 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.18 | 10.40 | 1180 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.70 | 8.40 | 1450 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.46 | 11.60 | 1496 us | NA | NA | NA | NA |
| | 10/27/98 | 4 | 7.27 | 16.00 | 1551 us | 0.80 | 137.00 | 14.40 | 0.00 |
| | 02/09/99 | 2.6 | 8.07 | 10.00 | 1418 us | 1.30 | 7.00 | 12.00 | 0.60 |
| | 06/08/99 | 4.5 | 7.54 | 16.70 | 1465 us | 1.50 | 75.00 | 12.00 | 1.40 |
| | 09/13/99 | 3.6 | 7.18 | 17.60 | 1647 us | 1.90 | (137.00) | 10.40 | 0.80 |
| | 12/15/99 | 3.3 | 7.52 | 11.70 | 1544 us | 1.50 | (281.00) | 12.40 | 1.00 |
| | 03/13/00 | 4 | 7.14 | 8.90 | 1266 us | 1.40 | (19.00) | 7.60 | 0.40 |
| | 06/22/00 | 3 | 8.22 | 14.90 | 1546 us | 1.63 | 36.00 | 7.30 | 0.00 |
| | 09/27/00 | 5 | 5.43 | 17.40 | 1711 us | 1.30 | (41.00) | 12.40 | 0.00 |
| | 12/19/00 | 3 | 7.55 | 8.90 | 1628 us | 3.23 | (305.00) | 15.20 | 1.60 |
| | 03/01/01 | 4 | 7.43 | 10.90 | 1435 us | 2.10 | (381.00) | 16.00 | 0.80 |
| | 06/19/01 | 5 | 8.18 | 14.80 | 1380 us | 1.40 | (64.00) | 6.00 | 0.00 |
| | 09/24/01 | 5 | 7.22 | 12.60 | 1160 us | 1.00 | (49.00) | 8.00 | 0.00 |
| | 12/05/01 | 3 | 7.28 | 9.90 | 1544 us | 2.00 | (280.00) | 12.80 | 1.20 |
| | 03/19/02 | 5 | 7.58 | 10.30 | 1284 us | 1.80 | (318.00) | 12.20 | 0.40 |
| | 06/20/02 | 5 | 8.00 | 14.60 | 1280 us | 1.00 | (180.00) | 12.40 | 0.00 |
| | 09/18/02 | 5 | 7.20 | 16.30 | 1399 us | 1.60 | (152.00) | 13.60 | 0.40 |
| | 12/17/02 | 3 | 7.18 | 10.00 | 1234 US | 2.00 | (220.00) | 8.80 | 1.00 |
| | 03/24/03 | 3 | 7.22 | 10.60 | 1294 us | 1.40 | (330.00) | 12.40 | 0.20 |
| | 06/10/03 | 5 | 7.76 | 14.80 | 1148 us | 1.20 | (174.00) | 11.20 | 0.00 |
| | 09/10/03 | 5 | 7.18 | 15.40 | 1317 us | 1.20 | (170.00) | 10.40 | 0.60 |
| | 03/24/04 | 3.7 | 7.30 | 8.40 | 1516 us | EM | (32.00) | NA | 0.00 |
| | 03/29/05 | 3 | 7.00 | 8.20 | 2240 us | 3.81 | 85.00 | NA | 0.00 |
| | 03/23/06 | 4 | 7.00 | 7.50 | 1952 us | 4.40 | 236.00 | NA | 0.00 |
| | 03/28/07 | 3 | 7.3 | 9.0 | 1420 us | 3.28 | 213 | NA | 0.01 |
| | 04/16/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | 1.25 | 7.43 | 7.9 | 1713.0 µs | 3.68 | 219 | NA | 0.00 |
| | 04/13/15 | 1.5 | 6.38 | 11.85 | 5.29 mS/cm | 8.82 | 140 | NA | <0.0129 |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-101 | 02/20/97 | NR | 7.12 | 8.00 | 1400 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.56 | 12.90 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 6.54 | 14.00 | 1380 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 6.64 | 11.40 | 1390 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.58 | 10.50 | 2142 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.29 | 11.50 | 2116 us | NA | NA | NA | NA |
| | 10/27/98 | 9 | 7.13 | 14.10 | 2.27 ms | 0.50 | 116.00 | 12.00 | 0.00 |
| | 02/09/99 | 7 | 8.11 | 12.70 | 2.11 ms | 1.10 | 165.00 | 8.80 | 0.20 |
| | 06/08/99 | 6 | 7.05 | 15.00 | 2.17 ms | 0.70 | 161.00 | 8.00 | 0.20 |
| | 09/13/99 | 5.9 | 7.25 | 14.90 | 2.12 ms | 0.90 | (125.00) | 13.60 | 0.00 |
| | 12/15/99 | 6 | 8.71 | 12.70 | 2.06 ms | 1.00 | (262.00) | 8.80 | 0.00 |
| | 03/13/00 | 7 | 6.34 | 11.60 | 1939 us | 1.10 | 44.00 | 8.00 | 0.00 |
| | 06/22/00 | 5 | 7.73 | 15.20 | 2.25 ms | 0.96 | 50.00 | 8.00 | 0.00 |
| | 09/27/00 | 8.5 | 6.80 | 15.50 | 2.18 ms | 0.70 | 3.00 | 12.80 | 0.00 |
| | 12/19/00 | 10.5 | 7.12 | 11.90 | 2.18 ms | 1.48 | (233.00) | 14.40 | 0.00 |
| | 03/01/01 | 8 | 7.41 | 11.00 | 2.31 ms | 1.32 | (283.00) | 12.20 | 0.00 |
| | 06/19/01 | 9 | 8.04 | 13.60 | 1265 us | 1.00 | 10.00 | 7.20 | 0.00 |
| | 09/24/01 | 8 | 7.79 | 13.40 | 1304 us | 1.00 | (11.00) | 11.20 | 0.00 |
| | 12/05/01 | 9 | 7.40 | 11.20 | 2240 us | 1.20 | (304.00) | 8.40 | 0.00 |
| | 03/19/02 | 9 | 7.36 | 10.80 | 1984 us | 1.40 | (210.00) | 12.20 | 0.00 |
| | 06/20/02 | 10 | 7.93 | 13.80 | 1190 us | 0.80 | (30.00) | 14.00 | 0.00 |
| | 09/18/02 | 10 | 7.24 | 15.00 | 2248 us | 0.80 | (113.00) | 8.80 | 0.00 |
| | 12/17/02 | 8 | 7.27 | 11.40 | 1988 us | 1.60 | (334.00) | 8.40 | 0.00 |
| | 03/24/03 | 9 | 7.45 | 11.10 | 1033 us | 0.60 | (190.00) | 11.20 | 0.00 |
| | 06/10/03 | 10 | 7.66 | 14.00 | 1121 us | 1.00 | (61.00) | 13.20 | 0.00 |
| | 09/10/03 | 8 | 7.30 | 14.80 | 2104 us | 0.80 | (124.00) | 7.20 | 0.00 |
| | 03/24/04 | 6.7 | 6.90 | 10.10 | 3160 us | EM | (69.00) | NA | 0.00 |
| | 03/29/05 | 6 | 6.60 | 12.12 | 4730 us | 1.27 | 83.00 | NA | 0.00 |
| | 03/23/06 | 7 | 6.60 | 10.50 | 2470 us | 2.65 | 191.00 | NA | 0.03 |
| | 03/27/07 | 5 | 6.70 | 13.3 | 2440 us | 3.64 | 187 | NA | 0.00 |
| | 04/16/08 | 1.25 | 6.94 | 10.5 | NA | 1.62 | 309 | NA | NA |
| | 09/22/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | 1.5 | 6.88 | 7.9 | 8.83 ms | 2.23 | NA | NA | NA |
| | 03/17/10 | 1.5 | 6.90 | 9.1 | 7.30 ms | 2.76 | 263 | NA | NA |
| | 04/29/11 | 1.25 | 7.06 | 10.2 | 5920 µs | 2.57 | 293 | NA | 0.00 |
| | 03/16/12 | 2 | 6.20 | 10.1 | 0.47 S/m | 1.90 | 212 | NA | NA |
| | 04/29/13 | 2.5 | 9.59 | 9.3 | 6.33 ms | 2.09 | (74.40) | NA | NA |
| | 04/21/14 | 3.5 | 6.84 | 7.4 | 2.97 mS/cm | 3.99 | 258.6 | NA | NA |
| | 04/14/15 | 2 | 5.87 | 8.17 | 19.5 mS/cm | 5.42 | 144 | NA | <0.0129 |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-102 | 02/20/97 | NR | 8.00 | 10.50 | 700 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.47 | 10.50 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 6.99 | 13.00 | 810 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.23 | 8.50 | 690 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.68 | 10.20 | 1145 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.97 | 10.30 | 1046 us | NA | NA | NA | NA |
| | 10/27/98 | 2 | 8.07 | 13.00 | 1197 us | 1.50 | 103.00 | 17.60 | 0.40 |
| | 02/09/99 | 0.5 | 7.48 | 11.00 | 1164 us | 1.00 | 0.33 | 14.40 | 0.00 |
| | 06/08/99 | 0.5 | 7.89 | 18.60 | 1226 us | 1.00 | 151.00 | 4.80 | 0.80 |
| | 09/13/99 | 0.5 | 7.84 | 13.30 | 1208 us | 1.20 | (246.00) | 10.00 | 1.20 |
| | 12/15/99 | 0.5 | 7.78 | 9.00 | 1152 us | 1.60 | (288.00) | 10.80 | 1.00 |
| | 03/13/00 | 0.5 | 6.74 | 9.70 | 1096 us | 1.20 | (260.00) | 6.80 | 0.00 |
| | 06/22/00 | 0.5 | 8.01 | 12.30 | 1233 us | 0.53 | (13.00) | 6.00 | 0.00 |
| | 09/27/00 | 0.5 | 8.25 | 12.50 | 1182 us | 1.90 | (241.00) | 9.20 | 0.00 |
| | 12/19/00 | 0.5 | 7.59 | 8.70 | 1126 us | 1.27 | (454.00) | 11.60 | 0.00 |
| | 03/01/01 | 0.5 | 7.30 | 10.90 | 1321 us | 1.02 | (521.00) | 9.20 | 0.00 |
| | 06/19/01 | 0.5 | 8.64 | 13.20 | 1944 us | 0.60 | 35.00 | 6.40 | 0.00 |
| | 09/24/01 | 0.5 | 7.63 | 13.40 | 1622 us | 0.80 | 18.00 | 7.20 | 0.00 |
| | 12/05/01 | 0.5 | 7.59 | 9.40 | 1233 us | 0.80 | (110.00) | 12.40 | 0.00 |
| | 03/19/02 | 0.5 | 7.41 | 10.80 | 1143 us | 0.90 | (503.00) | 9.20 | 0.50 |
| | 06/20/02 | 0.5 | 8.18 | 13.80 | 1720 us | 0.40 | 4.00 | 9.60 | 0.00 |
| | 09/18/02 | 0.5 | 7.04 | 13.50 | 1318 us | 1.00 | (212.00) | 10.80 | 1.00 |
| | 12/17/02 | 0.5 | 7.55 | 10.00 | 1186 us | 0.60 | (94.00) | 11.20 | 0.00 |
| | 03/24/03 | 0.5 | 7.38 | 10.40 | 972 us | 0.40 | (621.00) | 8.40 | 0.00 |
| | 06/10/03 | 0.5 | 8.01 | 13.80 | 1530 us | 0.40 | (18.00) | 8.60 | 0.00 |
| | 09/10/03 | 0.5 | 7.10 | 14.00 | 1313 us | 0.80 | (211.00) | 8.00 | 0.80 |
| | 03/24/04 | 2.7 | 7.20 | 12.80 | 1112 us | EM | (26.00) | NA | 0.00 |
| | 03/29/05 | 3 | 7.10 | 12.70 | 1199 us | 2.71 | 85.00 | NA | 0.00 |
| | 03/23/06 | 2 | 7.50 | 9.20 | 1234 us | 5.06 | 283.00 | NA | 0.00 |
| | 03/27/07 | 2 | 7.2 | 12.5 | 1093 us | 1.73 | 86 | NA | 0.29 |
| | 04/16/08 | 1 | 7.10 | 14.1 | NA | 2.64 | 179.9 | NA | NA |
| | 09/22/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | 1 | 7.46 | 10.2 | 1275 us | 4.90 | NA | NA | NA |
| | 03/17/10 | 1 | 7.35 | 11.6 | 1295 us | 3.35 | 91.1 | NA | NA |
| | 04/29/11 | 1.25 | 7.40 | 11.5 | 1204 us | 2.33 | 234 | NA | 0.09 |
| | 03/14/12 | 1.5 | 6.50 | 12.7 | 0.12 S/m | 5.50 | 97 | NA | NA |
| | 04/29/13 | 2.5 | 7.35 | 10.7 | 0.81 ms | 4.15 | (31.20) | NA | NA |
| | 04/21/14 | 1 | 7.18 | 11.3 | 0.65 mS/cm | 6.83 | 182.5 | NA | NA |
| | 04/13/15 | 1.5 | 6.51 | 14.57 | 2.59 mS/cm | 7.01 | 133 | NA | <0.0129 |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-103 | 02/20/97 | NR | 6.30 | 6.00 | 700 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.67 | 11.60 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 7.21 | 10.50 | 1030 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.43 | 9.00 | 970 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.82 | 9.40 | 1441 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.24 | 9.90 | 1356 us | NA | NA | NA | NA |
| | 10/27/98 | 8 | 7.66 | 12.70 | 1566 us | 0.70 | 147.00 | 12.00 | 0.20 |
| | 02/09/99 | 7.8 | 7.48 | 9.90 | 1443 us | 1.40 | 53.00 | 11.20 | 0.80 |
| | 06/08/99 | 9.5 | 7.42 | 13.90 | 1350 us | 0.70 | 109.00 | 7.20 | 0.00 |
| | 09/13/99 | 4.1 | 7.41 | 12.90 | 985 us | 1.60 | (165.00) | 12.00 | 0.00 |
| | 12/15/99 | 4.6 | 7.82 | 10.60 | 2.58 ms | 1.40 | (294.00) | 10.80 | 0.00 |
| | 03/13/00 | 4 | 6.57 | 9.40 | 1292 us | 1.00 | 76.00 | 8.40 | 0.40 |
| | 06/22/00 | 4 | 8.43 | 11.50 | 1354 us | 0.99 | (90.00) | 6.00 | 0.00 |
| | 09/27/00 | 11 | 7.48 | 13.70 | 1131 us | 1.40 | (302.00) | 7.60 | 0.00 |
| | 12/19/00 | 9 | 7.90 | 6.60 | 1063 us | 1.56 | (344.00) | 9.20 | 0.40 |
| | 03/01/01 | 8.5 | 7.68 | 11.20 | 1160 us | 1.88 | (374.00) | 8.00 | 0.60 |
| | 06/19/01 | 13 | 7.81 | 14.10 | 1848 us | 1.10 | (28.00) | 7.40 | 0.00 |
| | 09/24/01 | 2 | 7.32 | 12.70 | 1743 us | 1.00 | (47.00) | 12.00 | 0.00 |
| | 12/05/01 | 11 | 7.18 | 9.00 | 1121 us | 1.40 | (291.00) | 10.80 | 0.60 |
| | 03/19/02 | 11 | 7.60 | 11.40 | 1050 us | 1.50 | (311.00) | 10.00 | 0.40 |
| | 06/20/02 | 12 | 7.47 | 14.40 | 1830 us | 0.80 | (62.00) | 10.80 | 0.00 |
| | 09/18/02 | 10 | 7.18 | 13.00 | 748 us | 1.40 | (170.00) | 11.20 | 0.00 |
| | 12/17/02 | 8 | 7.22 | 9.60 | 1134 us | 1.20 | (284.00) | 10.00 | 0.40 |
| | 03/24/03 | 11 | 7.54 | 11.00 | 1262 us | 1.20 | (320.00) | 10.00 | 0.60 |
| | 06/10/03 | 10 | 7.13 | 14.10 | 1644 us | 0.60 | (80.00) | 10.00 | 0.20 |
| | 09/10/03 | 10 | 7.14 | 13.20 | 920 us | 1.00 | (165.00) | 10.40 | 0.00 |
| | 12/10/03 | 10 | 7.28 | 10.40 | 1210 us | 0.80 | (310.00) | 7.80 | 0.20 |
| | 03/24/04 | 8.6 | 7.30 | 10.20 | 656 us | EM | (126.00) | NA | 0.00 |
| | 07/09/04 | 5 | 7.20 | 14.00 | 996 us | 16.30 | 283.00 | NA | 0.00 |
| | 09/21/04 | 1.5 | 7.10 | 20.10 | 1004 us | EM | (19.00) | NA | 0.00 |
| | 03/29/05 | 12 | 7.00 | 10.20 | 1164 us | 1.16 | 84.00 | NA | 0.00 |
| | 06/21/05 | 7 | 7.10 | 13.30 | 1253 us | 1.46 | 142.00 | NA | 0.00 |
| | 09/21/05 | 10 | 7.30 | 13.50 | 1233 us | 3.40 | 225.00 | NA | 0.00 |
| | 12/14/05 | 7 | 7.20 | 9.90 | 1295 us | 1.53 | NA | NA | 0.00 |
| | 03/23/06 | 7 | 7.00 | 11.50 | 1140 us | 230.00 | 252.00 | NA | 0.00 |
| | 06/28/06 | 5 | 7.10 | 11.80 | 746 us | 2.75 | 232.00 | NA | 0.00 |
| | 12/20/06 | 8 | 7.40 | 10.80 | 1207 us | 2.89 | 241.00 | NA | 0.23 |
| | 03/28/07 | 8 | 7.2 | 10.8 | 1075 us | 3.09 | 238.0 | NA | 0.05 |
| | 07/03/07 | 8 | 7.4 | 11.3 | 1154 us | 3.54 | 126.0 | NA | 0.38 |
| | 09/28/07 | 8 | 7.2 | 13.7 | 1294 us | 3.14 | 217.0 | NA | 0.00 |
| | 04/16/08 | 1 | 7.09 | 12.0 | 556 us | 0.83 | 233 | NA | NA |
| | 09/22/08 | 1 | 7.27 | 13.8 | 1446 us | 0.20 | 183.7 | NA | NA |
| | 04/03/09 | 1 | 7.40 | 9.4 | 1451 us | 1.89 | NA | NA | NA |
| | 09/01/09 | 1 | 7.33 | 12.4 | 1409 us | 0.22 | 267 | NA | NA |
| | 03/17/10 | 1.5 | 7.30 | 10.8 | 1480 us | 0.89 | 231 | NA | NA |
| | 09/09/10 | 1.25 | 7.21 | 12.6 | 1468 us | 0.40 | 133.2 | NA | NA |
| | 04/29/11 | 1.25 | 7.36 | 10.2 | 1304 us | 2.17 | 244 | NA | 0.09 |
| | 09/01/11 | 1.5 | 7.36 | 13.5 | 1316 us | 0.63 | 89.7 | NA | NA |
| | 03/14/12 | 2 | 6.20 | 10.2 | 0.12 S/m | 0.70 | 175.0 | NA | NA |
| | 09/11/12 | 2.5 | 7.03 | 15.9 | 1.15 ms | 1.05 | 117.8 | NA | NA |
| | 04/29/13 | 1.5 | 12.45 | 9.3 | 0.97 ms | 1.82 | (102.50) | NA | NA |
| | 09/18/13 | 2.5 | 6.40 | 14.00 | 0.12 ms | 5.20 | 152.00 | NA | NA |
| | 04/21/14 | 1.5 | 7.02 | 9.2 | 0.63 mS/cm | 2.64 | 219.5 | NA | NA |
| | 09/16/14 | 3.5 | 8.25 | 13.3 | 0.77 mS/cm | 3.72 | 70.4 | NA | NA |
| | 04/14/15 | 2.5 | 5.90 | 7.62 | 3.51 mS/cm | 5.80 | 118 | NA | <0.0129 |
| | 09/14/15 | 1.5 | 7.15 | 14.62 | 1.007 mS/cm | 0.51 | 69 | NA | NA |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-104 | 02/20/97 | NR | 7.43 | 8.00 | 1000 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 8.00 | 12.00 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 7.13 | 10.50 | 1030 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.10 | 9.60 | 1000 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.94 | 8.30 | 1378 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.53 | 9.70 | 1101 us | NA | NA | NA | NA |
| | 10/27/98 | 8 | 7.84 | 13.20 | 1272 us | 0.90 | 103.00 | 16.40 | 0.40 |
| | 02/09/99 | 9.5 | 7.66 | 10.10 | 1126 us | 1.50 | 193.00 | 11.20 | 0.00 |
| | 06/08/99 | 13 | 6.80 | 15.60 | 1259 us | 1.60 | 103.00 | 6.40 | 0.00 |
| | 09/13/99 | 13.8 | 7.08 | 13.90 | 1334 us | 1.80 | (146.00) | 10.80 | 0.00 |
| | 12/15/99 | 11.2 | 7.68 | 10.80 | 1172 us | 2.00 | (232.00) | 11.20 | 0.00 |
| | 03/13/00 | 16.5 | 6.91 | 10.20 | 1121 us | 0.40 | 69.00 | 11.20 | 0.60 |
| | 06/22/00 | 11 | 8.65 | 11.60 | 1137 us | 0.71 | (211.00) | 6.80 | 0.00 |
| | 09/27/00 | 8 | 7.24 | 12.90 | 1130 us | 1.70 | (123.00) | 13.20 | 0.00 |
| | 12/19/00 | 8 | 7.75 | 8.20 | 1144 us | 1.05 | (240.00) | 12.40 | 0.00 |
| | 03/01/01 | 9.5 | 7.72 | 10.60 | 1230 us | 0.90 | (220.00) | 12.40 | 0.20 |
| | 06/19/01 | 13 | 7.91 | 12.90 | 1581 us | 0.80 | (110.00) | 6.80 | 0.00 |
| | 09/24/01 | 8 | 7.18 | 12.40 | 1580 us | 0.80 | (99.00) | 9.60 | 0.20 |
| | 12/05/01 | 7 | 7.22 | 9.90 | 1300 us | 1.00 | (311.00) | 9.60 | 0.00 |
| | 03/19/02 | 10 | 7.70 | 10.60 | 1110 us | 0.70 | (210.00) | 11.60 | 0.20 |
| | 06/20/02 | 10 | 7.53 | 13.00 | 1420 us | 0.80 | (174.00) | 12.40 | 0.20 |
| | 09/18/02 | 9 | 7.03 | 14.60 | 1275 us | 1.60 | (148.00) | 12.40 | 0.00 |
| | 12/17/02 | 8 | 7.31 | 10.00 | 1264 us | 0.80 | (294.00) | 8.80 | 0.00 |
| | 03/24/03 | 8 | 7.61 | 10.40 | 1031 us | 0.80 | (240.00) | 10.80 | 0.00 |
| | 06/10/03 | 10 | 7.40 | 15.00 | 1374 us | 0.60 | (91.00) | 11.20 | 0.40 |
| | 09/10/03 | 9 | 7.08 | 14.20 | 1144 us | 1.20 | (151.00) | 8.80 | 0.00 |
| | 12/01/03 | 8 | 7.35 | 10.10 | 1177 us | 0.80 | (280.00) | 8.80 | 0.00 |
| | 03/24/04 | 13.6 | 7.30 | 9.90 | 1496 us | EM | (91.00) | NA | 0.00 |
| | 07/09/04 | 5 | 7.00 | 12.00 | 1648 us | 2.90 | EM | NA | 0.00 |
| | 09/21/04 | 1 | 7.00 | 13.10 | 1648 us | EM | 1.00 | NA | 0.00 |
| | 03/29/05 | 6 | 7.00 | 10.20 | 1939 us | 2.69 | 86.00 | NA | 0.00 |
| | 06/21/05 | 7 | 7.10 | 12.50 | 1999 us | 3.50 | 125.00 | NA | 0.00 |
| | 09/21/05 | 7 | 7.10 | 13.80 | 1926 us | 2.78 | 213.00 | NA | 0.00 |
| | 12/14/05 | 7 | 6.90 | 10.90 | 2320 us | 2.11 | 253.00 | NA | NA ** |
| | 03/23/06 | 10 | 6.90 | 10.60 | 2250 us | 1.73 | 209.00 | NA | 0.00 |
| | 06/28/06 | 5 | 6.80 | 11.30 | 2290 us | 1.40 | 215.00 | NA | 0.26 |
| | 12/20/06 | 8 | 7.10 | 11.90 | 2120 us | 2.08 | 248.00 | NA | 0.00 |
| | 03/28/07 | 8 | 6.9 | 10.1 | 2450 us | 3.80 | 226.0 | NA | 0.07 |
| | 07/03/07 | 6 | 7.1 | 11.5 | 2180 us | 1.51 | 247.0 | NA | 0.61 |
| | 09/28/07 | 6 | 6.9 | 14.7 | 2380 us | 2.22 | 266.0 | NA | 0.05 |
| | 04/16/08 | 1 | 6.96 | 13.9 | 853 us | 1.74 | 157.0 | NA | NA |
| | 09/22/08 | 1 | 7.06 | 13.1 | 3.43 ms | 0.23 | 61.8 | NA | NA |
| | 04/03/09 | 1 | 7.25 | 8.1 | 2.88 ms | 1.67 | NA | NA | NA |
| | 09/01/09 | 1 | 7.11 | 11.6 | 3110 µs | 0.60 | 262 | NA | NA |
| | 03/17/10 | 1.5 | 7.14 | 9.9 | 3.07 ms | 0.93 | 210 | NA | NA |
| | 09/09/10 | 1.25 | 7.07 | 12.4 | 3.05 ms | 0.24 | (156.2) | NA | NA |
| | 04/29/11 | 1.25 | 7.32 | 10.2 | 2980 µs | 1.34 | 243 | NA | 0.00 |
| | 09/01/11 | 1.5 | 7.31 | 13.4 | 2.58 ms | 0.31 | (150.80) | NA | NA |
| | 03/14/12 | 2 | 6.20 | 10.1 | 0.16 S/m | 1.00 | 165.00 | NA | NA |
| | 09/11/12 | 2 | 6.95 | 13.4 | 1.85 ms | 0.25 | 84.90 | NA | NA |
| | 04/29/13 | 1.5 | 11.68 | 9.3 | 2.10 ms | 0.24 | (123.50) | NA | NA |
| | 09/17/13 | 4.3 | 6.7 | 11.2 | 0.29ms | 6.2 | (84.00) | NA | NA |
| | 04/21/14 | 1 | 6.86 | 10.1 | 2.12 mS/cm | 1.91 | 253.90 | NA | NA |
| | 09/16/14 | 2 | 7.77 | 12.4 | 2.73 mS/cm | 0.41 | (102.40) | NA | NA |
| | 04/14/15 | 1.5 | 6.04 | 7.88 | 5.30 mS/cm | 4.60 | 122 | NA | <0.0129 |
| | 09/14/15 | 1.75 | 7.11 | 13.92 | 1.941 mS/cm | 0.55 | (12) | NA | NA |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-105 | 02/20/97 | NR | 7.70 | 7.00 | 1600 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.44 | 10.50 | NA | NA | NA | NA | NA |
| | 09/18/98 | NR | 6.89 | 16.00 | 2150 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.04 | 12.00 | 2050 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.35 | 6.70 | 2878 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.25 | 11.10 | 2695 us | NA | NA | NA | NA |
| | 10/27/98 | 5 | 7.57 | 16.80 | 2.87 ms | 0.10 | 121.00 | 13.60 | 0.00 |
| | 02/09/99 | 5.9 | 7.34 | 10.60 | 2.76 ms | 0.90 | 281.00 | 16.80 | 1.80 |
| | 06/08/99 | 5 | 7.32 | 17.80 | 2.87 ms | 0.70 | 90.00 | 9.60 | 0.20 |
| | 09/13/99 | 3.5 | 7.00 | 17.20 | 2.74 ms | 1.70 | (182.00) | 13.20 | 1.40 |
| | 12/15/99 | 3.6 | 7.36 | 13.00 | 2.62 ms | 1.60 | (255.00) | 8.80 | 1.20 |
| | 03/13/00 | 4.5 | 6.58 | 8.40 | 2430 us | 1.30 | 23.00 | 9.60 | 0.80 |
| | 06/22/00 | 3.2 | 8.44 | 14.30 | 2.71 ms | 0.88 | (304.00) | 6.40 | 0.00 |
| | 09/27/00 | 6 | 6.62 | 17.90 | 2.53 ms | 1.10 | (198.00) | 12.80 | 0.00 |
| | 12/19/00 | 6 | 7.42 | 9.60 | 2.32 ms | 2.27 | (167.00) | 12.40 | 0.00 |
| | 03/01/01 | 5 | 7.24 | 10.80 | 2.45 ms | 1.89 | (184.00) | 11.60 | 0.00 |
| | 06/19/01 | 7 | 8.19 | 12.80 | 1877 us | 0.60 | (200.00) | 6.80 | 0.00 |
| | 09/24/01 | 6 | 7.41 | 13.80 | 1809 us | 0.80 | (183.00) | 7.20 | 0.00 |
| | 12/05/01 | 6 | 7.34 | 10.00 | 2148 us | 1.80 | (188.00) | 11.20 | 0.20 |
| | 03/19/02 | 5 | 6.94 | 10.20 | 1984 us | 1.80 | (169.00) | 9.60 | 0.00 |
| | 06/20/02 | 6 | 8.04 | 13.00 | 1400 us | 1.00 | (310.00) | 10.80 | 0.00 |
| | 09/18/02 | 6 | 7.21 | 17.20 | 2800 us | 1.60 | (183.00) | 10.80 | 1.60 |
| | 12/17/02 | 5 | 7.08 | 10.40 | 2008 us | 1.40 | (194.00) | 13.20 | 0.40 |
| | 03/24/03 | 5 | 7.04 | 10.60 | 1477 us | 1.40 | (99.00) | 14.00 | 0.00 |
| | 06/10/03 | 6 | 7.81 | 14.80 | 1344 us | 1.20 | (280.00) | 8.60 | 0.00 |
| | 09/10/03 | 6 | 7.30 | 16.40 | 2626 us | 1.20 | (177.00) | 10.00 | 1.20 |
| | 03/24/04 | 4.9 | 6.80 | 5.90 | 2220 us | EM | (78.00) | NA | 0.00 |
| | 03/29/05 | 4 | 6.80 | 8.90 | 2300 us | 2.12 | 87.00 | NA | 0.00 |
| | 03/23/06 | 4 | 6.90 | 8.60 | 2170 us | 3.54 | 256.00 | NA | 0.22 |
| | 03/27/07 | 4 | 6.8 | 9.2 | 2180 us | 3.37 | 296 | NA | 0.08 |
| | 04/16/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | 1.25 | 7.25 | 9.8 | 1812 µs | 2.98 | 242 | NA | 0.00 |
| | 04/13/15 | 4 | 6.32 | 8.66 | 6.76 mS/cm | 6.91 | 152 | NA | 0.0226 J |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-106 | 02/20/97 | NR | 7.75 | 10.00 | 1000 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.47 | 10.10 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 7.19 | 15.00 | 1310 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.06 | 11.50 | 1260 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.61 | 8.70 | 1716 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 7.11 | 11.60 | 1604 us | NA | NA | NA | NA |
| | 10/27/98 | 4 | 7.31 | 16.80 | 1824 us | 1.20 | 138.00 | 12.80 | 0.00 |
| | 02/09/99 | 2.5 | 7.33 | 10.20 | 1605 us | 1.10 | 197.00 | 20.80 | 0.00 |
| | 06/08/99 | 3.5 | 7.15 | 15.40 | 1332 us | 0.70 | 17.00 | 6.40 | 0.20 |
| | 09/13/99 | 2.3 | 7.02 | 17.40 | 1357 us | 1.00 | (168.00) | 11.60 | 0.00 |
| | 12/15/99 | 2 | 8.41 | 12.10 | 1445 us | 0.80 | (266.00) | 10.00 | 0.00 |
| | 03/13/00 | 2.5 | 6.92 | 9.10 | 1513 us | 1.60 | 18.00 | 10.40 | 0.00 |
| | 06/22/00 | 1.5 | 8.18 | 14.50 | 1736 us | 2.02 | 38.00 | 7.20 | 0.00 |
| | 09/27/00 | 6 | 6.84 | 19.10 | 1715 us | 1.60 | (8.00) | 12.00 | 0.00 |
| | 12/19/00 | 4 | 7.48 | 10.70 | 1694 us | 1.43 | (218.00) | 10.80 | 0.00 |
| | 03/01/01 | 4 | 7.33 | 10.80 | 1722 us | 1.50 | (210.00) | 9.20 | 0.00 |
| | 06/19/01 | 4 | 8.28 | 13.00 | 1361 us | 1.10 | (210.00) | 6.40 | 0.00 |
| | 09/24/01 | 6 | 7.66 | 14.00 | 1220 us | 0.80 | (104.00) | 11.20 | 0.00 |
| | 12/05/01 | 4 | 7.60 | 10.40 | 1702 us | 0.90 | (217.00) | 12.80 | 0.00 |
| | 03/19/02 | 5 | 7.13 | 10.40 | 1630 us | 1.70 | (235.00) | 9.20 | 0.00 |
| | 06/20/02 | 5 | 8.08 | 12.80 | 1288 us | 1.20 | (240.00) | 8.80 | 0.00 |
| | 09/18/02 | 5 | 7.30 | 17.80 | 1438 us | 1.00 | (141.00) | 8.80 | 0.00 |
| | 12/17/02 | 3 | 7.15 | 10.20 | 1788 us | 0.80 | (220.00) | 11.20 | 0.00 |
| | 03/24/03 | 3 | 7.22 | 10.80 | 1250 us | 1.10 | (193.00) | 10.00 | 0.00 |
| | 06/10/03 | 5 | 7.84 | 13.80 | 1310 us | 1.20 | (230.00) | 10.20 | 0.00 |
| | 09/10/03 | 5 | 7.24 | 16.60 | 1303 us | 0.80 | (140.00) | 12.00 | 0.00 |
| | 03/24/04 | 1.8 | 7.10 | 8.00 | 1761 us | EM | (57.00) | NA | 0.00 |
| | 03/29/05 | 2.5 | 6.90 | 9.00 | 1995 us | 2.24 | 85.00 | NA | 0.00 |
| | 03/23/06 | 4 | 7.00 | 9.40 | 2160 us | 4.14 | 249.00 | NA | 0.00 |
| | 03/27/07 | 2 | 7.0 | 8.5 | 1887 us | 5.04 | 249 | NA | 0.00 |
| | 04/16/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | 1.25 | 7.19 | 8.9 | 4120 µs | 4.12 | 211 | NA | 0.06 |
| | 04/13/15 | 4 | 6.68 | 8.06 | 4.50 mS/cm | 9.30 | 132 | NA | <0.0129 |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-107 | 02/20/97 | NR | 7.46 | 9.00 | 650 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 7.12 | 10.80 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 7.07 | 12.50 | 700 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 7.08 | 10.50 | 730 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.87 | 10.20 | 1081 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 7.17 | 10.60 | 1042 us | NA | NA | NA | NA |
| | 10/27/98 | 10 | 7.41 | 12.10 | 1179 us | 1.10 | 62.00 | 20.00 | 10.00 |
| | 02/09/99 | 9 | 8.10 | 12.00 | 1189 us | 1.30 | 263.00 | 7.20 | 0.40 |
| | 06/08/99 | 9 | 7.48 | 15.60 | 1406 us | 2.20 | 163.00 | 4.80 | 0.40 |
| | 09/13/99 | 8 | 7.30 | 12.90 | 1301 us | 2.60 | (114.00) | 14.00 | 0.60 |
| | 12/15/99 | 10 | 7.63 | 11.30 | 1419 us | 2.80 | (42.00) | 12.40 | 1.00 |
| | 03/13/00 | 14.50 | 5.76 | 10.90 | 1389 us | 1.20 | 58.00 | 8.40 | 0.60 |
| | 06/22/00 | 10 | 8.75 | 12.40 | 1574 us | 0.62 | (120.00) | 6.40 | 0.00 |
| | 09/27/00 | 10 | 7.42 | 14.20 | 1505 us | 1.60 | (114.00) | 9.20 | 0.00 |
| | 12/19/00 | 13 | 7.69 | 9.50 | 1524 us | 1.21 | (38.00) | 10.40 | 0.00 |
| | 03/01/01 | 16 | 7.81 | 9.90 | 1704 us | 1.31 | (93.00) | 12.40 | 0.20 |
| | 06/19/01 | 15 | 7.64 | 13.40 | 1221 us | 0.80 | (80.00) | 6.00 | 0.20 |
| | 09/24/01 | 9 | 7.04 | 12.40 | 977 us | 0.60 | (77.00) | 12.00 | 0.40 |
| | 12/05/01 | 13 | 7.15 | 9.20 | 1611 us | 0.80 | (95.00) | 8.40 | 0.00 |
| | 03/19/02 | 12 | 7.64 | 10.00 | 1730 us | 1.30 | 8.00 | 9.60 | 0.20 |
| | 06/20/02 | 10 | 7.48 | 13.60 | 1304 us | 0.60 | (110.00) | 9.60 | 0.40 |
| | 09/10/02 | 10 | 7.52 | 13.10 | 1403 us | 2.00 | (104.00) | 12.40 | 0.40 |
| | 12/17/02 | 10 | 7.22 | 10.40 | 1593 us | 0.80 | (110.00) | 7.80 | 0.00 |
| | 03/24/03 | 10 | 7.30 | 10.30 | 1362 us | 1.00 | (48.00) | 10.80 | 0.00 |
| | 06/10/03 | 11 | 7.20 | 14.00 | 1277 us | 0.80 | (200.00) | 9.20 | 1.00 |
| | 09/10/03 | 10 | 7.46 | 13.30 | 1121 us | 1.30 | (99.00) | 8.00 | 0.20 |
| | 12/01/03 | 10 | 7.41 | 9.80 | 1360 us | 1.00 | (98.00) | 8.40 | 0.00 |
| | 03/24/04 | 9 | 7.30 | 11.10 | 1704 us | EM | (109.00) | NA | 0.00 |
| | 07/09/04 | 6 | 7.30 | 13.20 | 1704 us | 4.59 | 166.00 | NA | 0.00 |
| | 09/21/04 | 3 | 7.10 | 14.30 | 1649 us | EM | 7.00 | NA | 0.00 |
| | 03/29/05 | 9 | 7.20 | 11.50 | 1749 us | 2.83 | 85.00 | NA | 0.00 |
| | 06/21/05 | 8 | 7.30 | 12.70 | 2010 us | 1.85 | 119.00 | NA | 0.00 |
| | 09/21/05 | 8 | 7.50 | 15.20 | 1594 us | 2.92 | 221.00 | NA | 0.00 |
| | 12/14/05 | 8 | 7.40 | 12.30 | 1708 us | 1.80 | 250.00 | NA | 0.00 |
| | 03/27/06 | 10 | 7.30 | 11.90 | 1726 us | 2.65 | 269.00 | NA | 0.00 |
| | 06/28/06 | 7 | 7.20 | 13.40 | 1696 us | 3.76 | 212.00 | NA | 0.04 |
| | 12/20/06 | 8 | 7.20 | 11.80 | 1655 us | 3.83 | 234.00 | NA | 0.08 |
| | 03/28/07 | 8 | 7.3 | 10.4 | 1599 us | 7.14 | 240 | NA | 0.01 |
| | 07/03/07 | 7 | 7.5 | 11.8 | 1163 us | 3.41 | 258 | NA | 0.00 |
| | 09/28/07 | 6 | 7.4 | 13.1 | 1642 us | 2.64 | 238 | NA | 0.02 |
| | 04/16/08 | 1 | 7.30 | 13.5 | NA | 2.12 | 197.9 | NA | NA |
| | 09/22/08 | 1 | 7.47 | 15.4 | 1650 us | 0.23 | 171.8 | NA | NA |
| | 04/03/09 | 1.5 | 7.63 | 10.0 | 1615 us | 2.32 | NA | NA | NA |
| | 09/01/09 | 1.25 | 7.51 | 13.9 | 1586 us | 0.16 | 278 | NA | NA |
| | 03/17/10 | 1.5 | 7.61 | 11.2 | 1566 us | 2.09 | 258 | NA | NA |
| | 09/09/10 | 1.5 | 7.46 | 14.1 | 1532 us | 0.24 | 239 | NA | NA |
| | 04/29/11 | 1.25 | 7.63 | 11.0 | 1516 us | 1.66 | 274 | NA | 0.00 |
| | 09/01/11 | 1.5 | 7.63 | 15.0 | 1490 us | 0.28 | 184.1 | NA | NA |
| | 03/14/12 | 1 | 6.40 | 11.6 | 0.14 S/m | 1.90 | 169.0 | NA | NA |
| | 09/11/12 | 2 | 7.27 | 16.8 | 1.27 ms | 0.14 | 37.2 | NA | NA |
| | 04/30/13 | 2 | 10.66 | 9.7 | 1.11 ms | 3.03 | (70.4) | NA | NA |
| | 09/17/13 | 3 | 7.0 | 15.0 | 0.14ms | 4.0 | 65 | NA | NA |
| | 04/21/14 | 1 | 7.39 | 10.1 | 0.94 mS/cm | 2.9 | 215.2 | NA | NA |
| | 09/16/14 | 3.5 | 7.95 | 14.7 | 0.86 mS/cm | 2.29 | (14.3) | NA | NA |
| | 04/14/15 | 2 | 6.41 | 10.61 | 4.37 mS/cm | 4.08 | 114 | NA | <0.0129 |
| | 09/14/15 | 1.75 | 7.25 | 18.52 | 1.365 mS/cm | 0.72 | 81.0 | NA | NA |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-108 | 02/20/97 | NR | 8.10 | 10.00 | 100 us | NA | NA | NA | NA |
| | 05/27/97 | NR | 6.02 | 11.40 | NA | NA | NA | NA | NA |
| | 09/18/97 | NR | 6.51 | 12.00 | 1160 us | NA | NA | NA | NA |
| | 12/12/97 | NR | 6.98 | 10.40 | 1130 us | NA | NA | NA | NA |
| | 03/25/98 | NR | 7.64 | 10.20 | 1568 us | NA | NA | NA | NA |
| | 06/10/98 | NR | 6.54 | 10.70 | 1525 us | NA | NA | NA | NA |
| | 10/27/98 | 10 | 7.95 | 14.30 | 1696 us | 1.40 | 116.00 | 12.80 | 0.20 |
| | 02/09/99 | 8.1 | 7.51 | 11.00 | 1810 us | 1.10 | (65.00) | 10.40 | 0.40 |
| | 06/08/99 | 12.5 | 7.60 | 15.00 | 1706 us | 0.90 | 173.00 | 7.20 | 0.60 |
| | 09/13/99 | 13.5 | 7.29 | 13.60 | 1849 us | 1.20 | (180.00) | 8.00 | 0.00 |
| | 12/15/99 | 12.8 | 7.68 | 11.80 | 1885 us | 1.00 | (286.00) | 8.40 | 0.00 |
| | 03/13/00 | 14 | 6.25 | 10.20 | 1642 us | 1.70 | (4.00) | 9.20 | 0.20 |
| | 06/22/00 | 11.5 | 7.62 | 14.10 | 1989 us | 1.01 | 69.00 | 6.40 | 0.00 |
| | 09/27/00 | 12 | 7.43 | 13.10 | 1983 us | 0.40 | (73.00) | 10.40 | 0.00 |
| | 12/19/00 | 10.5 | 7.60 | 10.10 | 2.01 ms | 2.18 | (184.00) | 10.80 | 0.00 |
| | 03/01/01 | 9 | 7.49 | 11.20 | 2.38 ms | 2.20 | (211.00) | 11.60 | 0.00 |
| | 06/19/01 | 8 | 8.20 | 13.80 | 1634 us | 0.80 | (90.00) | 7.00 | 0.00 |
| | 09/24/01 | 9 | 7.59 | 14.20 | 1512 us | 0.80 | (83.00) | 9.60 | 0.00 |
| | 12/05/01 | 10 | 7.49 | 10.50 | 2111 us | 1.80 | (199.00) | 9.60 | 0.00 |
| | 03/19/02 | 12 | 7.30 | 10.80 | 2120 us | 2.10 | (170.00) | 11.60 | 0.00 |
| | 06/20/02 | 12 | 7.92 | 14.00 | 1424 us | 0.80 | (120.00) | 12.40 | 0.00 |
| | 09/18/02 | 12 | 7.13 | 13.40 | 1744 us | 1.00 | (132.00) | 11.20 | 0.00 |
| | 12/17/02 | 10 | 7.36 | 10.40 | 1986 us | 1.60 | (174.00) | 8.40 | 0.00 |
| | 03/24/03 | 10 | 7.31 | 10.40 | 2032 us | 1.60 | (190.00) | 8.40 | 0.00 |
| | 06/10/03 | 11 | 7.64 | 14.60 | 1324 us | 0.80 | (144.00) | 9.20 | 0.00 |
| | 09/10/03 | 11 | 7.15 | 13.30 | 1622 us | 0.80 | (124.00) | 10.40 | 0.00 |
| | 03/24/04 | 10 | 7.70 | 12.30 | 1927 us | EM | (156.00) | NA | 0.00 |
| | 03/29/05 | 9 | 7.30 | 10.80 | 2090 us | 2.29 | 83.00 | NA | 0.00 |
| | 03/27/06 | 9 | 7.30 | 9.30 | 2880 us | 1.72 | 2.69 | NA | 0.04 |
| | 03/27/07 | 9 | 7.2 | 12.9 | 3190 us | 5.05 | 185 | NA | 0.04 |
| | 04/16/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | 1.25 | 7.27 | 10.2 | 3980 µs | 1.03 | 224 | NA | 0.05 |
| | 04/14/15 | 2 | 5.98 | 10.79 | 11.4 mS/cm | 3.75 | 135 | NA | <0.0129 |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-109 | 06/21/06 | 2 | 6.42 | 14.80 | 1497 us | - | - | - | - |
| | 09/20/06 | 2 | 6.66 | 14.60 | 1429 us | - | - | - | - |
| | 12/20/06 | 8 | 7.10 | 11.00 | 2120 us | 2.39 | 213.00 | NA | 0.16 |
| | 03/29/07 | 10 | 6.9 | 9.6 | 2050 us | 7.71 | 284 | NA | *** |
| | 07/03/07 | 9 | 7.2 | 12.8 | 2350 us | 1.53 | 192 | NA | 0.04 |
| | 09/28/07 | 10 | 6.9 | 18.2 | 2170 us | 9.53 | 240 | NA | 0.04 |
| | 04/16/08 | 1.25 | 7.10 | 12.4 | NA | 0.75 | 248 | NA | NA |
| | 09/22/08 | 1 | 7.14 | 15.7 | 2.88 ms | 0.71 | 131.1 | NA | NA |
| | 04/03/09 | 1.5 | 7.29 | 8.4 | 2.40 ms | 0.87 | NA | NA | NA |
| | 09/01/09 | 1 | 7.17 | 14.5 | 2650 µs | 0.23 | 145.2 | NA | NA |
| | 03/17/10 | 1.5 | 7.37 | 8.3 | 2.31 ms | 1.12 | 194.7 | NA | NA |
| | 09/09/10 | 1.5 | 7.09 | 15.3 | 2.73 ms | 0.37 | 146.9 | NA | NA |
| | 04/29/11 | 1.25 | 7.27 | 8.4 | 2500 µs | 0.81 | 164.6 | NA | 0.03 |
| | 09/01/11 | 1.5 | 7.28 | 15.2 | 2.56m | 0.24 | 148.3 | NA | NA |
| | 03/16/12 | 1.5 | 6.40 | 9.6 | 0.20 S/m | 1.50 | 200.0 | NA | NA |
| | 09/11/12 | 3 | 6.87 | 19.9 | 1.85 ms | 1.00 | 70.5 | NA | NA |
| | 04/30/13 | 2.5 | 11.12 | 8.9 | 1.47 ms | 2.53 | (81.3) | NA | NA |
| | 09/17/13 | 2.5 | 6.8 | 17.2 | 0 | 4.1 | 143 | NA | NA |
| | 04/21/14 | 1 | 7.02 | 9.0 | 1.36 mS/cm | 2.22 | 220.1 | NA | NA |
| | 09/16/14 | 3.5 | 7.47 | 16.6 | 0.301 mS/cm | 0.32 | (80.0) | NA | NA |
| | 04/14/15 | 4 | 5.95 | 7.80 | 8.54 mS/cm | 5.35 | 136 | NA | <0.0129 |
| | 09/14/15 | 1.5 | 6.82 | 20.51 | 4.269 mS/cm | 0.80 | 103.3 | NA | NA |
| MW-110 | 06/21/06 | 2 | 6.91 | 12.70 | 1178 us | - | - | - | - |
| | 09/20/06 | 2 | 7.00 | 14.40 | 1248 us | - | - | - | - |
| | 12/20/06 | 10 | 7.20 | 10.60 | 1757 us | 2.07 | 234.00 | NA | 0.00 |
| | 03/29/07 | 10 | 7.2 | 8.1 | 1806 us | 7.03 | 255 | NA | 0.03 |
| | 07/03/07 | 8 | 8.3 | 12.1 | 1752 us | 2.96 | 227 | NA | 0.13 |
| | 09/28/07 | 11 | 7.2 | 15.6 | 1837 us | 5.72 | 258 | NA | 0.00 |
| | 04/16/08 | 1.25 | 7.38 | 9.5 | NA | 2.25 | 285 | NA | NA |
| | 09/22/08 | 1 | 7.42 | 16.6 | 1892us | 1.04 | 241 | NA | NA |
| | 04/03/09 | 1.5 | 7.57 | 7.5 | 2.24 ms | 3.05 | NA | NA | NA |
| | 09/01/09 | 1.25 | 7.45 | 15.2 | 1849 µs | 1.17 | 250 | NA | NA |
| | 03/17/10 | 1.5 | 7.53 | 8.3 | 2.62 ms | 3.71 | 261 | NA | NA |
| | 09/09/10 | 1.5 | 7.32 | 15.4 | 2.34 ms | 2.12 | 181.5 | NA | NA |
| | 04/29/11 | 1.25 | 7.54 | 8.2 | 1314 µs | 3.91 | 272 | NA | 0.11 |
| | 09/01/11 | 1.5 | 7.50 | 17.3 | 1643 µs | 2.67 | 181.4 | NA | NA |
| | 03/14/12 | 2 | 6.60 | 9.4 | 0.20 S/m | 8.70 | 198.0 | NA | NA |
| | 09/12/12 | 2.5 | 7.13 | 18.5 | 1.64 ms | 3.15 | 174.3 | NA | NA |
| | 04/30/13 | 3 | 8.29 | 7.7 | 2.44 ms | 1.78 | (66.9) | NA | NA |
| | 09/17/13 | 2.8 | 6.8 | 15.1 | 0 | 4.0 | 107 | NA | NA |
| | 04/22/14 | 1 | 7.28 | 6.8 | 0.99 mS/cm | 4.55 | 249.1 | NA | NA |
| | 04/15/15 | 2 | 6.58 | 5.88 | 5.99 mS/cm | 10.28 | 104 | NA | <0.0129 |
| | 09/14/15 | 1.75 | 7.15 | 15.75 | 2.260 mS/cm | 0.54 | 71 | NA | NA |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-111 | 06/21/06 | 2 | 7.01 | 12.40 | 1311 us | - | - | - | - |
| | 09/20/06 | 1.75 | 6.99 | 14.00 | 1164 us | - | - | - | - |
| | 12/20/06 | 6 | 7.20 | 11.00 | 1478 us | 3.95 | 243.00 | NA | 0.01 |
| | 03/29/07 | 10 | 7.4 | 9.2 | 1908 us | 9.29 | 209 | NA | 0.01 |
| | 07/03/07 | 6 | 7.4 | 12.1 | 1855 us | 1.63 | 263 | NA | 0.28 |
| | 09/28/07 | 11 | 7.4 | 13.5 | 1672 us | 6.08 | 256 | NA | 0.02 |
| | 04/16/08 | 1.25 | 7.40 | 11.6 | NA | 2.25 | 244 | NA | NA |
| | 09/22/08 | 1.25 | 7.48 | 16.1 | 1901 us | 0.49 | 170 | NA | NA |
| | 04/03/09 | 1.5 | 7.64 | 7.5 | 1970 us | 3.51 | NA | NA | NA |
| | 09/01/09 | 1.25 | 7.51 | 15.5 | 1777 us | 0.74 | 191.0 | NA | NA |
| | 03/17/10 | 1.5 | 7.61 | 8.3 | 1889 us | 3.05 | 287 | NA | NA |
| | 09/09/10 | 1.5 | 7.37 | 15.1 | 1900 us | 0.49 | 160.5 | NA | NA |
| | 04/29/11 | 1.25 | 7.60 | 9.1 | 2110 us | 1.95 | 286 | NA | 0.09 |
| | 09/01/11 | 1.5 | 7.57 | 15.0 | 1716 us | 0.85 | 159.6 | NA | NA |
| | 03/14/12 | 1.5 | 6.50 | 10.5 | 0.17 S/m | 2.50 | 177.0 | NA | NA |
| | 09/12/12 | 3 | 7.26 | 16.1 | 1.47 ms | 0.18 | 97.6 | NA | NA |
| | 04/30/13 | 2 | 8.75 | 8.0 | 1.43 ms | 3.89 | (43.7) | NA | NA |
| | 09/17/13 | 2.8 | 7.0 | 15.5 | 0.18ms | 3.5 | 106 | NA | NA |
| | 04/21/14 | 1 | 7.30 | 9.9 | 1.17 mS/cm | 1.80 | 218.4 | NA | NA |
| | 09/17/14 | 2 | 7.72 | 14.1 | 1.23 mS/cm | 0.16 | 20.4 | NA | NA |
| | 04/14/15 | 4 | 6.83 | 8.43 | 4.84 mS/cm | 7.66 | 49 | NA | <0.0129 |
| | 09/14/15 | 1.5 | 7.41 | 18.15 | 1.670 mS/cm | 1.27 | 50.7 | NA | NA |
| MW-112 | 06/21/06 | 2 | 7.21 | 12.40 | 1338 us | - | - | - | - |
| | 09/20/06 | 2 | 7.28 | 14.60 | 1238 us | - | - | - | - |
| | 12/20/06 | 8 | 7.50 | 10.70 | 1817 us | 1.94 | 729.00 | NA | 0.00 |
| | 03/28/07 | 10 | 7.5 | 9.5 | 2050 us | 7.93 | 228 | NA | 0.00 |
| | 07/03/07 | 9 | 7.6 | 13.7 | 1909 us | 3.48 | 234 | NA | 0.28 |
| | 09/28/07 | 11 | 7.6 | 13.7 | 1921 us | 6.80 | 267 | NA | 0.04 |
| | 04/16/08 | 1.25 | 7.50 | 12.9 | NA | 2.44 | 270 | NA | NA |
| | 09/22/08 | 1.25 | 7.71 | 15.9 | 2.34 ms | 0.15 | 208 | NA | NA |
| | 04/03/09 | 1.5 | 7.79 | 7.6 | 2.5 ms | 2.69 | NA | NA | NA |
| | 09/01/09 | 1.25 | 7.76 | 15.5 | 2320 us | 0.75 | 217 | NA | NA |
| | 03/17/10 | 1.5 | 7.81 | 8.5 | 1891 us | 3.02 | 264 | NA | NA |
| | 09/09/10 | 1.5 | 7.56 | 15.7 | 1921 us | 0.70 | 229 | NA | NA |
| | 04/29/11 | 1.25 | 7.75 | 8.4 | 1268 us | 2.92 | 252 | NA | 0.10 |
| | 09/01/11 | 1.5 | 7.83 | 15.0 | 1581us | 0.44 | 169.0 | NA | NA |
| | 03/14/12 | 1.5 | 6.60 | 8.4 | 0.076 S/m | 9.40 | 215.0 | NA | NA |
| | 09/12/12 | 3 | 7.26 | 17.2 | 1.23 ms | 0.22 | 219.7 | NA | NA |
| | 04/30/13 | 2 | 8.87 | 8.3 | 1.65 ms | 0.55 | (105.6) | NA | NA |
| | 09/17/13 | 2.8 | 6.9 | 16.8 | 0.16ms | 2.3 | 62 | NA | NA |
| | 04/21/14 | 3 | 7.27 | 8.5 | 0.72 mS/cm | 1.67 | 194.4 | NA | NA |
| | 09/17/14 | 3 | 7.49 | 15.8 | 1.19 mS/cm | 0.14 | 6.7 | NA | NA |
| | 04/14/15 | 2.5 | 6.18 | 10.27 | 4.00 mS/cm | 6.39 | 107 | NA | <0.0129 |
| | 09/14/15 | 1.5 | 7.50 | 18.31 | 1.993 mS/cm | 0.79 | 59.8 | NA | NA |

TABLE 4
Groundwater Geochemical Parameters
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Purge* Volume (gallons) | pH (std units) | Temperature (°C) | Conductivity (units as shown) | Dissolved Oxygen (ppm, unless noted) | Redox (mV) | Alkalinity (gpg) | Ferrous Iron (mg/L) |
|-----------|-------------|-------------------------|----------------|------------------|-------------------------------|--------------------------------------|------------|------------------|---------------------|
| MW-113 | 06/21/06 | 2 | 6.91 | 12.90 | 1020 us | - | - | - | - |
| | 09/20/06 | 2 | 7.11 | 14.60 | 900 us | - | - | - | - |
| | 12/20/06 | 8 | 7.20 | 10.60 | 1757 us | 2.07 | 234.00 | NA | 0.00 |
| | 03/29/07 | 10 | 7.3 | 8.0 | 1508 us | 9.52 | 235 | NA | *** |
| | 07/03/07 | 7 | 7.6 | 10.9 | 1552 us | 2.05 | 262 | NA | 0.13 |
| | 09/28/07 | 13 | 7.4 | 14.4 | 1514 us | 6.87 | 276 | NA | 0.00 |
| | 04/16/08 | 1.25 | 7.45 | 11.8 | NA | 1.85 | 267 | NA | NA |
| | 09/22/08 | 1.25 | 7.59 | 15.5 | 1711 us | 0.22 | 218 | NA | NA |
| | 04/03/09 | 1.5 | 7.70 | 7.4 | 1749 us | 3.50 | NA | NA | NA |
| | 09/01/09 | 1.25 | 7.56 | 15.6 | 1615 us | 0.57 | 270 | NA | NA |
| | 03/17/10 | 1.5 | 7.68 | 8.5 | 1800 us | 3.22 | 235 | NA | NA |
| | 09/09/10 | 1.5 | 7.49 | 15.5 | 1722 us | 0.37 | 223 | NA | NA |
| | 04/29/11 | 1.25 | 7.65 | 9.3 | 1660 us | 1.68 | 281 | NA | 0.00 |
| | 09/01/11 | 1.5 | 7.67 | 16.2 | 1552 us | 0.27 | 184.8 | NA | NA |
| | 03/14/12 | 2 | 6.60 | 8.8 | 0.15 S/m | 4.50 | 236.0 | NA | NA |
| | 09/12/12 | 3 | 7.09 | 19.1 | 1.40 ms | 1.40 | 55.0 | NA | NA |
| | 04/30/13 | 3 | 10.82 | 8.3 | 1.14 ms | 0.30 | (116.4) | NA | NA |
| | 09/17/13 | 2.5 | 6.8 | 15.8 | .018ms | 3.9 | 142 | NA | NA |
| | 04/22/14 | 2 | 7.31 | 7.5 | 1.15 mS/cm | 0.28 | 253.9 | NA | NA |
| | 09/17/14 | 2.5 | 7.78 | 15.7 | 1.28 mS/cm | 0.31 | (95.9) | NA | NA |
| | 04/14/15 | 2 | 6.16 | 11.07 | 4.90 mS/cm | 3.57 | 122 | NA | <0.0129 |
| | 09/14/15 | 2 | 7.31 | 16.27 | 1.596 mS/cm | 0.37 | 89.8 | NA | NA |

ppm = parts per million

us = microsiemens / centimeter

S/m = siemens / meter

mV = millivolts

gpg = grains per gallon

EM - Equipment malfunction.

Note: A different meter was used to test ferrous iron beginning on the March 2006 sampling event.

ms = millisiemens / centimeter

NA = not analyzed

NR = not recorded

() = Indicates a negative value.

* = Each monitoring well was purged dry twice prior to sampling

The second purging was conducted approximately 3-hrs after initial purging. The volume of purge water collected represents the total of the two well purges. Purge volumes prior to 10/27/98 were not available.

** = Not analyzed due to poor water clarity from recent piezometer installation nearby.

*** = Too cloudy for testing.

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 |
| 1992 ES NR 140 | | 10 | 50 | 50 | 1,000 | 200 | 50.0 | 2 | 5,000 |
| 1992 PAL NR 140 | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 | 2,500 |
| W-2 | 02/20/97 | NA | 15 | NA | 26 | NA | 460.0 | NA | 49 |
| | 05/27/97 | 0.43 | 8.5 | NA | <10 | NA | 170.0 | <.2 | 30 |
| | 09/18/97 | 0.27 | 4.5** | NA | 9.5** | 3** | 116.0 | <.03 | 16.9 |
| | 12/12/97 | .13* | 6.2 | NA | <9.7 | <.8 | 133.0 | .06* | 20.4 |
| | 03/25/98 | 0.08 | <3.9 | NA | <9.5 | <1.7 | 83.8 | .007* | 18.6 |
| | 06/10/98 | .31* | 16.4 | NA | 18.6** | <1.7 | 466.0 | .027* | 40.8 |
| | 10/27/98 | .51* | 3.60 | NA | 4.7* | <.0032 | 69.0 | <.05 | 170 |
| | 02/09/99 | .46* | <.62 | NA | 4.0 | <.0032 | 240.0 | <.05 | 23 |
| | 06/08/99 | <.31 | <.62 | NA | 1.8* | <.0032 | 290.0 | <.05 | <12 |
| | 09/13/99 | <.31 | 2.00 | NA | 3.2 | <.0032 | 240.0 | <.05 | <12 |
| | 12/15/99 | <.31 | 0.72 * | NA | NA | NA | 2.8 | NA | NA |
| | 03/13/00 | <.31 | 0.79 * | NA | NA | NA | 7.8 | NA | NA |
| | 06/22/00 | <.31 | <.62 | NA | NA | NA | <.42 | NA | NA |
| | 09/27/00 | 2.70 | 1.1* | NA | NA | NA | 17.0 | NA | NA |
| | 12/19/00 | .24* | 0.91* | NA | NA | NA | 8.0 | NA | NA |
| | 03/01/01 | <.23 | <.57 | NA | NA | NA | <2.0 | NA | NA |
| | 06/19/01 | <.17 | 0.55 * | NA | NA | NA | 48.0 | NA | NA |
| | 09/24/01 | <.17 | <.34 | NA | NA | NA | 52 | NA | NA |
| | 12/05/01 | <.23 | <.57 | NA | NA | NA | <2.0 | NA | NA |
| | 03/19/02 | .27* | <.57 | NA | NA | NA | <2.0 | NA | NA |
| | 06/20/02 | <.23 | <.44 | NA | NA | NA | 61.0 | NA | NA |
| | 09/18/02 | <.23 | <.44 | NA | NA | NA | 110.0 | NA | NA |
| | 12/17/02 | <.23 | <.44 | NA | NA | NA | 150.0 | NA | NA |
| | 03/24/03 | <0.17 | <0.43 | NA | NA | NA | 8.5 | NA | NA |
| | 03/24/04 | NA | <0.45 | 5.0 | NA | NA | <1.0 | NA | NA |
| | 03/29/05 | NA | 1.2 | <2.7 | NA | NA | 1.3 | NA | NA |
| | 03/23/06 | NA | 0.52 | <5.0 | NA | NA | 4.1 | NA | NA |
| | 03/27/07 | NA | <1.9 | NA | NA | NA | 4.7 | NA | NA |
| | 04/29/11 | NA | 0.51 J | NA | NA | NA | 21.7 | NA | NA |
| | 04/14/15 | NA | <2.1 | NA | NA | NA | 318 | NA | NA |
| W-8 | 02/20/97 | NA | 17 | NA | 22 | NA | 320.0 | NA | 34 |
| | 05/27/97 | 1.6 | 37 | NA | 27 | NA | 670.0 | <.2 | 54 |
| | 09/18/97 | 0.45 | 14.4 | NA | 14.6** | 1** | 338.0 | .11** | 31.8 |
| | 12/12/97 | 0.5* | 5.7 | NA | <9.7 | <.8 | 147.0 | .07* | 17.1 |
| | 03/25/98 | 0.43 | 10.1 | NA | 15** | <1.7 | 205.0 | .007* | 21 |
| | 06/10/98 | 0.54 | 9.9 | NA | 12.6** | <1.7 | 264.0 | .016* | 21.6 |
| | 10/27/98 | 0.80 | 3.90 | NA | 4.8* | <.0032 | 64.0 | <.05 | 85 |
| | 02/09/99 | <.31 | <.62 | NA | <60 | <.0032 | 850.0 | <.05 | 12 |
| | 06/08/99 | <.31 | <.62 | NA | 2.6 | <.0032 | 50.0 | <.05 | <12 |
| | 09/13/99 | <.31 | 1.90 | NA | 2.7 | <.0032 | 98.0 | <.05 | 29 |
| | 12/15/99 | <.31 | 2.80 | NA | NA | NA | 180.0 | NA | NA |
| | 03/13/00 | <.31 | 1.4 * | NA | NA | NA | 65.0 | NA | NA |
| | 06/22/00 | <.31 | 3.10 | NA | NA | NA | 74.0 | NA | NA |
| | 09/27/00 | .27* | .75* | NA | NA | NA | 26.0 | NA | NA |
| | 12/19/00 | <.23 | .66* | NA | NA | NA | 40.0 | NA | NA |
| | 03/01/01 | <.23 | <.57 | NA | NA | NA | 23.0 | NA | NA |
| | 06/19/01 | <.17 | 1* | NA | NA | NA | 100.0 | NA | NA |
| | 09/24/01 | <.17 | <.34 | NA | NA | NA | 380.0 | NA | NA |
| | 12/25/01 | <.23 | <.57 | NA | NA | NA | <2.0 | NA | NA |
| | 03/19/02 | <.23 | <.57 | NA | NA | NA | 21.0 | NA | NA |
| | 06/20/02 | <.23 | .47* | NA | NA | NA | 1400.0 | NA | NA |
| | 09/18/02 | <.23 | <.44 | NA | NA | NA | 620.0 | NA | NA |
| | 12/17/02 | <.23 | <.44 | NA | NA | NA | 34.0 | NA | NA |
| | 03/24/03 | <.17 | <.43 | NA | NA | NA | 27.0 | NA | NA |
| | 03/24/04 | NA | 0.76* | 3.8 | NA | NA | 1.7* | NA | NA |
| | 03/29/05 | NA | <0.52 | <2.7 | NA | NA | 9.7 | NA | NA |
| | 03/23/06 | NA | <0.4 | <5.0 | NA | NA | 5.5 | NA | NA |
| | 03/27/07 | NA | <1.9 | NA | NA | NA | 6.0 | NA | NA |
| | 04/29/11 | NA | 0.63 J | NA | NA | NA | <0.14 | NA | NA |
| | 04/13/15 | NA | <2.1 | NA | NA | NA | <1.4 | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 |
| 1992 ES NR 140 | | | 10 | 50 | 50 | 200 | 50.0 | 2 | 5,000 |
| 1992 PAL NR 140 | | | 1.0 | 5 | 5*** | 500 | 40 | 0.2 | 2,500 |
| W-15 | | | | | | | | | |
| | 02/20/97 | NA | 32 | NA | 52 | NA | 430.0 | NA | 88 |
| | 05/27/97 | 0.27 | 5.9 | NA | 15 | NA | 97.0 | <.2 | 39 |
| | 09/18/97 | 0.31 | 13.9 | NA | 18.8** | <.78 | 325.0 | <.03 | 35.5 |
| | 12/12/97 | .12* | 5.7 | NA | 9.7** | <.8 | 80.9 | .03* | 18.5 |
| | 03/25/98 | .04* | <3.9 | NA | <9.5 | <1.7 | 85.7 | .038* | 13.7 |
| | 06/10/98 | .11* | 10 | NA | 13.2** | <1.7 | 147.0 | .016* | 18.8 |
| | 10/27/98 | .41* | 6.80 | NA | 7.40 | <.0032 | 110.0 | <.05 | 100 |
| | 02/09/99 | <.31 | <.62 | NA | <.60 | <.0032 | 320.0 | <.05 | <12 |
| | 06/08/99 | <.31 | 2.40 | NA | 14.00 | <.0032 | 130.0 | <.05 | 66 |
| | 09/13/99 | <.31 | 5.30 | NA | 6.40 | <.0032 | 130.0 | <.05 | 16 |
| | 12/15/99 | <.31 | 5.00 | NA | NA | NA | 90.0 | NA | NA |
| | 03/13/00 | <.31 | 7.00 | NA | NA | NA | 130.0 | NA | NA |
| | 06/22/00 | <.31 | 1.80 | NA | NA | NA | 11.0 | NA | NA |
| | 09/27/00 | <.23 | 4.20 | NA | NA | NA | 24.0 | NA | NA |
| | 12/19/00 | <.23 | 1.4* | NA | NA | NA | 930.0 | NA | NA |
| | 03/01/01 | <.23 | <.57 | NA | NA | NA | <2.0 | NA | NA |
| | 06/19/01 | <.17 | <.34 | NA | NA | NA | <2 | NA | NA |
| | 09/24/01 | <.17 | <.34 | NA | NA | NA | 290.0 | NA | NA |
| | 12/05/01 | <.23 | <.57 | NA | NA | NA | 2.5 | NA | NA |
| | 03/19/02 | <.23 | <.57 | NA | NA | NA | 22.0 | NA | NA |
| | 06/20/02 | .36* | .47* | NA | NA | NA | 3.1 | NA | NA |
| | 09/18/02 | <.23 | <.44 | NA | NA | NA | 110.0 | NA | NA |
| | 12/17/02 | <.23 | <.44 | NA | NA | NA | 31.0 | NA | NA |
| | 03/24/03 | <0.17 | 0.47* | NA | NA | NA | 27.0 | NA | NA |
| | 03/24/04 | NA | 1.80 | 3.8 | NA | NA | 1.1* | NA | NA |
| | 03/29/05 | NA | 0.98 | <2.7 | NA | NA | 24.0 | NA | NA |
| | 03/23/06 | NA | 1.60 | <5.0 | NA | NA | 8.0 | NA | NA |
| | 03/28/07 | NA | <1.9 | NA | NA | NA | 13 | NA | NA |
| | 04/29/11 | NA | 2.8 J | NA | NA | NA | 8.3 | NA | NA |
| | 04/13/15 | NA | 2.8J | NA | NA | NA | <1.4 | NA | NA |
| MW-101 | | | | | | | | | |
| | 02/20/97 | NA | 36 | NA | 41 | NA | 820.0 | NA | 49 |
| | 05/27/97 | <.2 | 10 | NA | 11 | NA | 170.0 | <.03 | 18 |
| | 09/18/97 | .06** | 11.9 | NA | 10.7** | 1** | 145.0 | <.05 | 18.2 |
| | 12/12/97 | .06* | 12.8 | NA | <9.7 | <.8 | 176.0 | .05* | 20.7 |
| | 03/25/98 | .04* | 20.9 | NA | 21.6** | <1.7 | 239.0 | .007* | 32.7 |
| | 06/10/98 | .27* | 48.2 | NA | 46.8 | <1.7 | 604.0 | .044* | 75.9 |
| | 10/27/98 | <.16 | 3.20 | NA | 4.2* | <.0032 | 24.0 | <.05 | 54 |
| | 02/09/99 | <.31 | <.62 | NA | <.60 | <.0032 | 1900.0 | <.05 | 14 |
| | 06/08/99 | <.31 | 1.80 | NA | 8.2 | <.0032 | 380.0 | <.05 | 39 |
| | 09/13/99 | <.31 | 2.90 | NA | 5.1 | <.0032 | 31.0 | <.05 | <12 |
| | 12/15/99 | <.31 | 2.50 | NA | NA | NA | 9.1 | NA | NA |
| | 03/13/00 | <.31 | 2.30 | NA | NA | NA | 100.0 | NA | NA |
| | 06/22/00 | <.31 | 1.4 * | NA | NA | NA | <4.2 | NA | NA |
| | 09/27/00 | <.23 | 19.00 | NA | NA | NA | 37.0 | NA | NA |
| | 12/19/00 | <.23 | 7.20 | NA | NA | NA | 18.0 | NA | NA |
| | 03/01/01 | <.23 | <.57 | NA | NA | NA | 13.0 | NA | NA |
| | 06/19/01 | <.17 | 8.50 | NA | NA | NA | 9.1 | NA | NA |
| | 09/24/01 | <.17 | 0.55 * | NA | NA | NA | <2.0 | NA | NA |
| | 12/05/01 | <.23 | 0.90* | NA | NA | NA | <2.0 | NA | NA |
| | 03/19/02 | <.23 | 0.66* | NA | NA | NA | <2.0 | NA | NA |
| | 06/20/02 | <.23 | 0.58* | NA | NA | NA | 2.2 | NA | NA |
| | 09/18/02 | <.23 | <0.44 | NA | NA | NA | 13.0 | NA | NA |
| | 12/17/02 | <.23 | <0.44 | NA | NA | NA | 33.0 | NA | NA |
| | 03/24/03 | <.17 | 0.50* | NA | NA | NA | 8.3 | NA | NA |
| | 03/24/04 | NA | 0.79* | <3.6 | NA | NA | <1.0 | NA | NA |
| | 03/29/05 | NA | 1.10 | <2.7 | NA | NA | 16.0 | NA | NA |
| | 03/23/06 | NA | 0.55 | <5.0 | NA | NA | 45.0 | NA | NA |
| | 03/27/07 | NA | <1.9 | NA | NA | NA | 14.0 | NA | NA |
| | 04/16/08 | NA | 2.4 J | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | 1.9 J | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | 2.5 J | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | NA | 1.4 J | NA | NA | NA | 0.50 J | NA | NA |
| | 03/16/12 | NA | <2.0 | NA | NA | NA | 0.50 J | NA | NA |
| | 04/29/13 | NA | <2.0 | NA | NA | NA | NA | NA | NA |
| | 04/21/14 | NA | 2.2 J | NA | NA | NA | NA | NA | NA |
| | 04/14/15 | NA | <2.1 | NA | NA | NA | <1.4 | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 |
| 1992 ES NR 140 | | 10 | 50 | 50 | 1,000 | 200 | 50.0 | 2 | 5,000 |
| 1992 PAL NR 140 | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 | 2,500 |
| MW-102 | 02/20/97 | NA | 26 | NA | 38 | NA | 570.0 | NA | 34 |
| | 05/27/97 | 0.21 | 48 | NA | 77 | NA | 920.0 | <.2 | 73 |
| | 09/18/97 | .08** | <3.92 | NA | 6.9** | 2** | 302.0 | <.03 | 8.7 |
| | 12/12/97 | .04* | <3.9 | NA | <9.7 | <.8 | 387.0 | .04* | 10.9 |
| | 03/25/98 | .11* | <3.9 | NA | 9.5** | <1.7 | 302.0 | .007* | 7.4* |
| | 06/10/98 | .04* | <3.9 | NA | <9.8 | <1.7 | 318.0 | .018* | 9.5 |
| | 10/27/98 | .27* | .98* | NA | 3.2* | <.0032 | 340.0 | <.05 | 24 |
| | 02/09/99 | <.31 | .73* | NA | <.60 | <.0032 | 670.0 | <.05 | 20 |
| | 06/08/99 | <.31 | 1.2* | NA | 5.8 | <.0032 | 140.0 | <.05 | 36 |
| | 09/13/99 | <.31 | 4.00 | NA | 15.0 | <.0032 | 160.0 | <.05 | 73 |
| | 12/15/99 | <.31 | 1.2 * | NA | NA | NA | 550.0 | NA | NA |
| | 03/13/00 | <.31 | 1.70 | NA | NA | NA | 580.0 | NA | NA |
| | 06/22/00 | <.31 | <.62 | NA | NA | NA | 310.0 | NA | NA |
| | 09/27/00 | <.23 | 2.10 | NA | NA | NA | 130.0 | NA | NA |
| | 12/19/00 | .33* | 2.90 | NA | NA | NA | 110.0 | NA | NA |
| | 03/01/01 | <.23 | <.57 | NA | NA | NA | <2.0 | NA | NA |
| | 06/19/01 | <.17 | <.34 | NA | NA | NA | <2 | NA | NA |
| | 09/24/01 | .48 * | 1.40 | NA | NA | NA | 46.0 | NA | NA |
| | 12/05/01 | <.23 | <.57 | NA | NA | NA | 100.0 | NA | NA |
| | 03/19/02 | <.23 | <.57 | NA | NA | NA | 87.0 | NA | NA |
| | 06/20/02 | <.17 | 1.80 | NA | NA | NA | 44.0 | NA | NA |
| | 09/18/02 | <.23 | 1.4* | NA | NA | NA | <2.0 | NA | NA |
| | 12/17/02 | <.23 | <.44 | NA | NA | NA | 38.0 | NA | NA |
| | 03/24/03 | 0.21* | <0.43 | NA | NA | NA | 3.5 | NA | NA |
| | 03/24/04 | NA | <0.45 | <3.6 | NA | NA | 65.0 | NA | NA |
| | 03/29/05 | NA | 0.71 | <2.7 | NA | NA | 190.0 | NA | NA |
| | 03/23/06 | NA | <0.40 | <5.0 | NA | NA | 100.0 | NA | NA |
| | 03/27/07 | NA | <1.9 | NA | NA | NA | 230 | NA | NA |
| | 04/16/08 | NA | <0.57 | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | <0.57 | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | 0.74 J | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | NA | 6.1 | NA | NA | NA | 32.1 | NA | NA |
| | 03/14/12 | NA | <2.0 | NA | NA | NA | NA | NA | NA |
| | 04/29/13 | NA | 130 | NA | NA | NA | NA | NA | NA |
| | 04/21/14 | NA | 128 | NA | NA | NA | NA | NA | NA |
| | 04/13/15 | NA | 98.2 | NA | NA | NA | 3.0J | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 |
| 1992 ES NR 140 | | 10 | 50 | 50 | 1,000 | 200 | 50.0 | 2 | 5,000 |
| 1992 PAL NR 140 | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 | 2,500 |
| MW-103 | 02/20/97 | NA | 1,300 | NA | 47 | NA | 800.0 | NA | 27 |
| | 05/27/97 | <.2 | 160.0 | NA | 31 | NA | 900.0 | <.2 | 29 |
| | 09/18/97 | .06** | 35.2 | NA | 13.5** | 3** | 287.0 | <.03 | 13.7 |
| | 12/12/97 | .04* | 16.3 | NA | <9.7 | <.8 | 84.3 | .09* | 21.4 |
| | 03/25/98 | .04* | 15.5 | NA | <9.5 | <1.7 | 83.0 | .007* | 7.5* |
| | 06/10/98 | .15* | 57.6 | NA | 27.5 | <1.7 | 417.0 | .02* | 33.7 |
| | 10/27/98 | <.16 | 6.30 | NA | 2.3* | <.0032 | 27.0 | <.05 | 30.0 |
| | 06/08/99 | <.31 | 87.00 | NA | 3.5 | <.0032 | 810.0 | <.05 | 30 |
| | 09/13/99 | <.31 | 720.0 | NA | 5.9 | <.0032 | 83.0 | <.05 | 15 |
| | 12/15/99 | <.31 | 260.0 | NA | NA | NA | 160.0 | NA | NA |
| | 03/13/00 | <.31 | 600.0 | NA | NA | NA | 79.0 | NA | NA |
| | 06/22/00 | <.31 | 130.0 | NA | NA | NA | 180.0 | NA | NA |
| | 09/27/00 | <.23 | 280.0 | NA | NA | NA | 230.0 | NA | NA |
| | 12/19/00 | <.23 | 180.0 | NA | NA | NA | 170.0 | NA | NA |
| | 03/01/01 | <.23 | 49.0 | NA | NA | NA | 240.0 | NA | NA |
| | 06/19/01 | <.17 | 11.0 | NA | NA | NA | 350.0 | NA | NA |
| | 09/24/01 | <.17 | 12.0 | NA | NA | NA | 280.0 | NA | NA |
| | 12/05/01 | <.23 | 2.9 | NA | NA | NA | 230.0 | NA | NA |
| | 03/19/02 | <.23 | 73.0 | NA | NA | NA | 7.9 | NA | NA |
| | 06/20/02 | <.23 | 14.0 | NA | NA | NA | 630.0 | NA | NA |
| | 09/18/02 | <.23 | 6.5 | NA | NA | NA | 560.0 | NA | NA |
| | 12/17/02 | <.23 | 6.2 | NA | NA | NA | 3.7 | NA | NA |
| | 03/24/03 | .26* | 350.0 | NA | NA | NA | 48.0 | NA | NA |
| | 06/10/03 | NA | 150.0 | NA | NA | NA | NA | NA | NA |
| | 09/10/03 | NA | 9.10 | NA | NA | NA | NA | NA | NA |
| | 12/10/03 | NA | 7.70 | NA | NA | NA | NA | NA | NA |
| | 12/15/03 | NA | NA | <3.6 | NA | NA | NA | NA | NA |
| | 03/24/04 | NA | 5.60 | 6.3 | NA | NA | 7.6 | NA | NA |
| | 07/09/04 | NA | 11.00 | 16.0 | NA | NA | NA | NA | NA |
| | 12/09/04 | NA | 1.20 | <3.6 | NA | NA | NA | NA | NA |
| | 03/29/05 | NA | 220.0 | 350.0 | NA | NA | 82.0 | NA | NA |
| | 06/22/05 | NA | 240.0 | 250.0 | NA | NA | NA | NA | NA |
| | 09/21/05 | NA | 110.0 | 69.0 | NA | NA | NA | NA | NA |
| | 12/15/05 | NA | 120.0 | 150.0 | NA | NA | NA | NA | NA |
| | 03/23/06 | NA | 16.0 | 270.0 | NA | NA | 8.4 | NA | NA |
| | 06/28/06 | NA | 40.0 | 29.0 | NA | NA | NA | NA | NA |
| | 09/20/06 | NA | 45.0 | 35.0 | NA | NA | NA | NA | NA |
| | 12/20/06 | NA | 15.0 | NA | NA | NA | NA | NA | NA |
| | 03/28/07 | NA | 31 | NA | NA | NA | 38 | NA | NA |
| | 07/03/07 | NA | 90 | NA | NA | NA | NA | NA | NA |
| | 09/28/07 | NA | 78 | NA | NA | NA | NA | NA | NA |
| | 04/16/08 | NA | 380 | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | 240 | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | 171 | NA | NA | NA | NA | NA | NA |
| | 09/01/09 | NA | 157 | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | 114 | NA | NA | NA | NA | NA | NA |
| | 09/09/10 | NA | 16.4 | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | NA | 23.1 | NA | NA | <0.14 | NA | NA | NA |
| | 09/01/11 | NA | 54.5 | NA | NA | NA | NA | NA | NA |
| | 03/14/12 | NA | 27.0 | NA | NA | NA | NA | NA | NA |
| | 09/11/12 | NA | 10.8 | NA | NA | NA | NA | NA | NA |
| | 04/29/13 | NA | 24.8 | NA | NA | NA | NA | NA | NA |
| | 09/17/13 | NA | 6.4 | NA | NA | NA | NA | NA | NA |
| | 04/21/14 | NA | 6.9 | NA | NA | NA | NA | NA | NA |
| | 09/17/14 | NA | 10.0 | NA | NA | NA | NA | NA | NA |
| | 04/14/15 | NA | 8.2 | NA | NA | NA | <1.4 | NA | NA |
| | 09/14/15 | NA | 6.9 | NA | NA | NA | NA | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 |
| 1992 ES NR 140 | | 10 | 50 | 50 | 1,000 | 200 | 50.0 | 2 | 5,000 |
| 1992 PAL NR 140 | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 | 2,500 |
| MW-104 | 02/20/97 | NA | 5.9 | NA | 15 | NA | 550.0 | NA | 6.9 |
| | 05/27/97 | <.02 | 6.9 | NA | 11 | NA | 470.0 | <.2 | 5.2 |
| | 09/18/97 | <.04 | 35.6 | NA | 5** | 3** | 235.0 | <.03 | 4.74 |
| | 12/12/97 | .04* | 61.8 | NA | 9.8** | <.8 | 279.0 | .05* | 14 |
| | 03/25/98 | .04* | 66.8 | NA | <9.5 | <1.7 | 73.6 | .008* | 7.4* |
| | 06/10/98 | .04* | 219.0 | NA | <9.8 | <1.7 | 107.0 | .016* | 12.8 |
| | 10/27/98 | .29* | 150.0 | NA | 2.3* | <.0032 | 25.0 | <.05 | 30 |
| | 02/09/99 | <.31 | 94.0 | NA | 1.4* | <.0032 | 1000.0 | <.05 | <12 |
| | 06/08/99 | 1* | 62.0 | NA | 12.0 | <.0032 | 620.0 | <.05 | 17 |
| | 09/13/99 | <.31 | 80.0 | NA | 3.2 | <.0032 | 9.2 | <.05 | <12 |
| | 12/15/99 | <.31 | 170.0 | NA | NA | NA | 1.6 | NA | NA |
| | 03/13/00 | <.31 | 300.0 | NA | NA | NA | 13.0 | NA | NA |
| | 06/22/00 | <.31 | 210.0 | NA | NA | NA | 41.0 | NA | NA |
| | 09/27/00 | <.23 | 510.0 | NA | NA | NA | 3.9 | NA | NA |
| | 12/19/00 | <.23 | 790.0 | NA | NA | NA | <2 | NA | NA |
| | 03/01/01 | <.23 | 840.0 | NA | NA | NA | <2 | NA | NA |
| | 06/19/01 | <.17 | 680.0 | NA | NA | NA | 2.3 | NA | NA |
| | 09/24/01 | <.17 | 310.0 | NA | NA | NA | 17.0 | NA | NA |
| | 12/05/01 | <.23 | 390.0 | NA | NA | NA | 2.2 | NA | NA |
| | 03/19/02 | <.23 | 430.0 | NA | NA | NA | <2.0 | NA | NA |
| | 06/20/02 | <.23 | 490.0 | NA | NA | NA | 14.0 | NA | NA |
| | 09/18/02 | <.23 | 410.0 | NA | NA | NA | 27.0 | NA | NA |
| | 12/17/02 | <.23 | 240.0 | NA | NA | NA | 8.9 | NA | NA |
| | 03/24/03 | <.17 | 180.0 | NA | NA | NA | 4.2 | NA | NA |
| | 06/10/03 | NA | 420.0 | NA | NA | NA | NA | NA | NA |
| | 09/10/03 | NA | 1,200.0 | NA | NA | NA | NA | NA | NA |
| | 12/10/03 | NA | 790.0 | NA | NA | NA | NA | NA | NA |
| | 12/15/03 | NA | NA | 700.0 | NA | NA | NA | NA | NA |
| | 03/24/04 | NA | 550.0 | 580.0 | NA | NA | <1.0 | NA | NA |
| | 07/09/04 | NA | 370.0 | 380.0 | NA | NA | NA | NA | NA |
| | 09/22/04 | NA | 87.0 | 33.0 | NA | NA | NA | NA | NA |
| | 12/09/04 | NA | 56.0 | 57.0 | NA | NA | NA | NA | NA |
| | 03/29/05 | NA | 260.0 | 260.0 | NA | NA | 1.0 | NA | NA |
| | 06/22/05 | NA | 280.0 | 230.0 | NA | NA | NA | NA | NA |
| | 09/21/05 | NA | 17.0 | 25.0 | NA | NA | NA | NA | NA |
| | 12/15/05 | NA | 95.0 | 110.0 | NA | NA | NA | NA | NA |
| | 03/23/06 | NA | 66.0 | 200.0 | NA | NA | 6.3 | NA | NA |
| | 06/28/06 | NA | 76.0 | 58.0 | NA | NA | NA | NA | NA |
| | 09/20/06 | NA | 2.8 | <6.8 | NA | NA | NA | NA | NA |
| | 12/20/06 | NA | 8.4 | NA | NA | NA | NA | NA | NA |
| | 03/28/07 | NA | 160 | NA | NA | NA | 130 | NA | NA |
| | 07/03/07 | NA | 97 | NA | NA | NA | NA | NA | NA |
| | 09/28/07 | NA | 11.0 | NA | NA | NA | NA | NA | NA |
| | 04/16/08 | NA | 545 | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | 1.3 J | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | 144 | NA | NA | NA | NA | NA | NA |
| | 09/01/09 | NA | 1.4 J | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | 719 | NA | NA | NA | NA | NA | NA |
| | 09/09/10 | NA | 6.7 | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | NA | 376 | NA | NA | NA | 7.7 | NA | NA |
| | 09/01/11 | NA | 5.4 | NA | NA | NA | NA | NA | NA |
| | 03/14/12 | NA | 510 | NA | NA | NA | NA | NA | NA |
| | 09/11/12 | NA | <2.0 | NA | NA | NA | NA | NA | NA |
| | 04/29/13 | NA | 1.3 J | NA | NA | NA | NA | NA | NA |
| | 09/17/13 | NA | <2.0 | NA | NA | NA | NA | NA | NA |
| | 04/21/14 | NA | 10.5 | NA | NA | NA | NA | NA | NA |
| | 09/16/14 | NA | 12.5 | NA | NA | NA | NA | NA | NA |
| | 04/14/15 | NA | 287.0 | NA | NA | NA | <1.4 | NA | NA |
| | 09/14/15 | NA | 5.0 | NA | NA | NA | NA | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 |
| 1992 ES NR 140 | | 10 | 50 | 50 | 1,000 | 200 | 50.0 | 2 | 5,000 |
| 1992 PAL NR 140 | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 | 2,500 |
| MW-105 | 02/20/97 | NA | 21 | NA | 22 | NA | 1100.0 | NA | 23 |
| | 05/27/97 | <.2 | 5 | NA | <10 | NA | 120.0 | <.2 | 12 |
| | 09/18/97 | .14** | 29.5 | NA | 28.3 | 1** | 532.0 | <.03 | 46 |
| | 12/12/97 | .36* | 15.8 | NA | 12.5** | <.8 | 297.0 | .03* | 27.1 |
| | 03/25/98 | .04* | 30.8 | NA | 27.6 | <1.7 | 518.0 | .064* | 44 |
| | 06/10/98 | .048* | 13.7 | NA | 15.3** | <1.7 | 217.0 | .016* | 22.1 |
| | 10/27/98 | .29* | 8.80 | NA | 8.20 | <.0032 | 150.0 | <.05 | 70 |
| | 02/09/99 | <.31 | 1.3* | NA | 4.30 | <.0032 | 2000.0 | <.05 | 19 |
| | 06/08/99 | <.31 | 1* | NA | 18.00 | <.0032 | 1300.0 | <.05 | 66 |
| | 09/13/99 | <.31 | .64* | NA | 24.00 | <.0032 | 1700.0 | <.05 | 30 |
| | 12/15/99 | <.31 | <.62 | NA | NA | NA | 860.0 | NA | NA |
| | 03/13/00 | <.31 | 4.80 | NA | NA | NA | 660.0 | NA | NA |
| | 06/22/00 | <.31 | 1.0 * | NA | NA | NA | 600.0 | NA | NA |
| | 09/27/00 | <.23 | 1.2* | NA | NA | NA | 700.0 | NA | NA |
| | 12/19/00 | <.23 | <.4 | NA | NA | NA | 230.0 | NA | NA |
| | 03/01/01 | <.23 | <.57 | NA | NA | NA | 43.0 | NA | NA |
| | 06/19/01 | <.17 | .75* | NA | NA | NA | 230.0 | NA | NA |
| | 09/24/01 | <.17 | .73* | NA | NA | NA | 530.0 | NA | NA |
| | 12/05/01 | <.23 | <.57 | NA | NA | NA | <2.0 | NA | NA |
| | 03/19/02 | <.23 | <.57 | NA | NA | NA | 22.0 | NA | NA |
| | 06/20/02 | <.23 | .60* | NA | NA | NA | 1400.0 | NA | NA |
| | 09/18/02 | <.23 | <.44 | NA | NA | NA | 600.0 | NA | NA |
| | 12/17/02 | <.23 | <.44 | NA | NA | NA | 58.0 | NA | NA |
| | 03/24/03 | .21* | <.43 | NA | NA | NA | 86.0 | NA | NA |
| | 03/24/04 | NA | 3.80 | 6.3 | NA | NA | 89.0 | NA | NA |
| | 03/29/05 | NA | <.52 | <2.7 | NA | NA | 82.0 | NA | NA |
| | 03/23/06 | NA | 0.42 | <5.0 | NA | NA | 43.0 | NA | NA |
| | 03/27/07 | NA | <1.9 | NA | NA | NA | 23 | NA | NA |
| | 04/29/11 | NA | 0.64 J | NA | NA | NA | 1.8 J | NA | NA |
| | 04/13/15 | NA | <2.1 | NA | NA | NA | 2.5J | NA | NA |
| MW-106 | 02/20/97 | NA | 21 | NA | 24 | NA | 320.0 | NA | 26 |
| | 05/27/97 | <.02 | 40 | NA | 35 | NA | 590.0 | <.2 | 68 |
| | 09/18/97 | .05** | 5.5 | NA | 6.2** | 1** | 56.9 | <.03 | 35.6 |
| | 12/12/97 | .04* | 9.2 | NA | 9.7** | <.08 | 155.0 | .03* | 18.4 |
| | 03/25/98 | NA | 13.40 | NA | 14.4** | <1.7 | 150.0 | .007* | 18.5 |
| | 06/10/98 | .04* | <3.9 | NA | 10.2** | <1.7 | 10.0 | .016* | 10.9 |
| | 10/27/98 | .27* | 3.20 | NA | 4.3* | <.0032 | 38.0 | <.05 | 88 |
| | 02/09/99 | <.31 | <.62 | NA | 1.1* | <.0032 | 760.0 | <.05 | 22 |
| | 06/08/99 | <.31 | .79* | NA | 2.3 | <.0032 | 900.0 | <.05 | <12 |
| | 09/13/99 | <.31 | 1.80 | NA | 4.7 | <.0032 | 1100.0 | <.05 | 30 |
| | 12/15/99 | <.31 | 1.3 * | NA | NA | NA | 130.0 | NA | NA |
| | 03/31/00 | <.31 | 2.30 | NA | NA | NA | 270.0 | NA | NA |
| | 06/22/00 | <.31 | .73 * | NA | NA | NA | <4.2 | NA | NA |
| | 09/27/00 | <.23 | .88* | NA | NA | NA | 50.0 | NA | NA |
| | 12/19/00 | <.23 | .77* | NA | NA | NA | 22.0 | NA | NA |
| | 03/01/01 | <.23 | <.57 | NA | NA | NA | 45.0 | NA | NA |
| | 06/19/01 | .21* | .39* | NA | NA | NA | 57.0 | NA | NA |
| | 09/24/01 | <.17 | <.34 | NA | NA | NA | 950.0 | NA | NA |
| | 12/05/01 | <.23 | <.57 | NA | NA | NA | 310.0 | NA | NA |
| | 03/19/02 | <.23 | <.57 | NA | NA | NA | 92.0 | NA | NA |
| | 06/20/02 | <.23 | <.44 | NA | NA | NA | 270.0 | NA | NA |
| | 09/18/02 | <.23 | <.44 | NA | NA | NA | 420.0 | NA | NA |
| | 12/17/02 | <.23 | <.44 | NA | NA | NA | 41.0 | NA | NA |
| | 03/24/03 | <0.17 | <.43 | NA | NA | NA | 2.1 | NA | NA |
| | 03/24/04 | NA | <0.45 | 3.8 | NA | NA | 190.0 | NA | NA |
| | 03/29/05 | NA | 1.10 | <2.7 | NA | NA | 15.0 | NA | NA |
| | 03/23/06 | NA | 0.45 | <5.0 | NA | NA | 30.0 | NA | NA |
| | 03/27/07 | NA | <1.9 | NA | NA | NA | 15 | NA | NA |
| | 04/29/11 | NA | 0.79 J | NA | NA | NA | 0.16 J | NA | NA |
| | 04/13/15 | NA | <2.1 | NA | NA | NA | <1.4 | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 |
| 1992 ES NR 140 | | 10 | 50 | 50 | 1,000 | 200 | 50.0 | 2 | 5,000 |
| 1992 PAL NR 140 | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 | 2,500 |
| MW-107 | 02/20/97 | NA | 2,000 | NA | 13 | NA | 190.0 | NA | 6.9 |
| | 05/27/97 | <.2 | 3,600 | NA | <10 | NA | 91.0 | <.2 | 10 |
| | 09/18/97 | <.04 | 2,670 | NA | <8.1 | 1** | 59.3 | <.03 | 33.5 |
| | 12/12/97 | .04* | 2,310 | NA | <9.7 | <.8 | 48.4 | .1* | 6.7 |
| | 03/25/98 | .04* | 11,200 J | NA | 12.1** | <1.7 | 68.2 | .041* | 9.3* |
| | 06/10/98 | .11* | 6,240 | NA | 13.8** | <1.7 | 161.0 | .027* | 17.3* |
| | 10/27/98 | <.16 | 7,100 | NA | 1.2* | <.0032 | 28.0 | <.05 | 94 |
| | 02/09/99 | <.31 | 3,200 | NA | 1.9* | <.0032 | 49.0 | <.05 | <12 |
| | 06/08/99 | <.31 | 5,800 | NA | 3.0 | <.0032 | 25.0 | <.05 | <12 |
| | 09/13/99 | <.31 | 4,000 | NA | 1.9* | <.0032 | 18.0 | <.05 | <12 |
| | 12/15/99 | <.31 | 14,000 | NA | NA | NA | .83 * | NA | NA |
| | 03/13/00 | <.31 | 8,100 | NA | NA | NA | 22.0 | NA | NA |
| | 06/22/00 | <.31 | 14,000 | NA | NA | NA | <42 | NA | NA |
| | 09/27/00 | <.23 | 11,000 | NA | NA | NA | 4.9 | NA | NA |
| | 12/19/00 | <.23 | 10,000 | NA | NA | NA | 2.4 | NA | NA |
| | 03/01/01 | <.23 | 5,000 | NA | NA | NA | 2.2 | NA | NA |
| | 06/19/01 | <.17 | 8,200 | NA | NA | NA | <2 | NA | NA |
| | 09/24/01 | <17 | 5,300 | NA | NA | NA | 270.0 | NA | NA |
| | 12/05/01 | <.23 | 6,200 | NA | NA | NA | 10.0 | NA | NA |
| | 03/19/02 | <.23 | 7,000 | NA | NA | NA | <20 | NA | NA |
| | 06/20/02 | <2.3 | 7,000 | NA | NA | NA | <20 | NA | NA |
| | 09/18/02 | <.17 | 4,300 | NA | NA | NA | 24.0 | NA | NA |
| | 12/17/02 | <.17 | 3,700 | NA | NA | NA | 15.0 | NA | NA |
| | 03/24/03 | <10 | 3,800 | NA | NA | NA | 7.7 | NA | NA |
| | 06/10/03 | NA | 5,900 | NA | NA | NA | NA | NA | NA |
| | 09/10/03 | NA | 5,200 | NA | NA | NA | NA | NA | NA |
| | 12/10/03 | NA | 5,200 | NA | NA | NA | NA | NA | NA |
| | 12/15/03 | NA | NA | 5,500 | NA | NA | NA | NA | NA |
| | 03/24/04 | NA | 3,900 | 4,100 | NA | NA | 1.2* | NA | NA |
| | 07/09/04 | NA | 3,400 | 5,000 | NA | NA | NA | NA | NA |
| | 09/22/04 | NA | 4,100 | 4,400 | NA | NA | NA | NA | NA |
| | 12/14/04 | NA | 6,300 | 5,800 | NA | NA | NA | NA | NA |
| | 03/29/05 | NA | 3,600 | 4,100 | NA | NA | 1.9 | NA | NA |
| | 06/22/05 | NA | 3,300 | 2,900 | NA | NA | NA | NA | NA |
| | 09/21/05 | NA | 2,500 | 2,500 | NA | NA | NA | NA | NA |
| | 12/15/05 | NA | 2,400 | 2,700 | NA | NA | NA | NA | NA |
| | 03/23/06 | NA | 3,200 | 3,600 | NA | NA | 1.90 | NA | NA |
| | 06/28/06 | NA | 3,600 | 3,000 | NA | NA | NA | NA | NA |
| | 09/20/06 | NA | 4,100 | 4,200 | NA | NA | NA | NA | NA |
| | 12/19/06 | NA | 2,700 | NA | NA | NA | NA | NA | NA |
| | 03/28/07 | NA | 4,200 | NA | NA | NA | 1.7 | NA | NA |
| | 07/03/07 | NA | 2,800 | NA | NA | NA | NA | NA | NA |
| | 09/28/07 | NA | 2,000 | NA | NA | NA | NA | NA | NA |
| | 04/16/08 | NA | 4,410 | NA | NA | NA | NA | NA | NA |
| | 09/22/08 | NA | 2,950 | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | 3,790 | NA | NA | NA | NA | NA | NA |
| | 09/01/09 | NA | 2,420 | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | 3,240 | NA | NA | NA | NA | NA | NA |
| | 09/09/10 | NA | 2,480 | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | NA | 2,940 | NA | NA | NA | 0.32 J | NA | NA |
| | 09/01/11 | NA | 1,960 | NA | NA | NA | NA | NA | NA |
| | 03/14/12 | NA | 2,700 | NA | NA | NA | NA | NA | NA |
| | 09/11/12 | NA | 2,410 | NA | NA | NA | NA | NA | NA |
| | 04/30/13 | NA | 3,020 | NA | NA | NA | NA | NA | NA |
| | 09/17/13 | NA | 3,440 | NA | NA | NA | NA | NA | NA |
| | 04/21/14 | NA | 2,150 | NA | NA | NA | NA | NA | NA |
| | 09/16/14 | NA | 2,130 | NA | NA | NA | NA | NA | NA |
| | 04/14/15 | NA | 2,210 | NA | NA | NA | 2.0J | NA | NA |
| | 09/14/15 | NA | 1,600 | NA | NA | NA | NA | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) | |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|-----|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 | |
| 1992 ES NR 140 | | 10 | 50 | 50 | 1,000 | 200 | 50.0 | 2 | 5,000 | |
| 1992 PAL NR 140 | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 | 2,500 | |
| MW-108 | 02/20/97 | NA | 25 | NA | 23 | NA | 490.0 | NA | 31 | |
| | 05/27/97 | <.2 | 11 | NA | 13 | NA | 210.0 | <.2 | 15 | |
| | 09/18/97 | .14** | 27.4 | NA | 22.4** | 1** | 462.0 | <.03 | 36.6 | |
| | 12/12/97 | .04* | 5.6 | NA | <9.7 | <.8 | 74.8 | .03* | 27.9 | |
| | 03/25/98 | .04* | 9.4 | NA | 10.4** | <1.7 | 142.0 | .007* | 13.8 | |
| | 06/10/98 | .14* | 28.4 | NA | 25.5 | <1.7 | 478.0 | .021* | 40.5 | |
| | 10/27/98 | .26* | 8.90 | NA | 7.40 | <.0032 | 88.0 | <.05 | 44 | |
| | 02/09/99 | <.31 | 1.70 | NA | 3.90 | <.0032 | 560.0 | <.05 | 30 | |
| | 06/08/99 | <.31 | 3.10 | NA | 1.4* | <.0032 | 450.0 | <.05 | 54 | |
| | 09/13/99 | <.31 | 4.50 | NA | 5.30 | <.0032 | 100.0 | <.05 | <12 | |
| | 12/15/99 | <.31 | 6.10 | NA | NA | NA | 79.0 | NA | NA | |
| | 03/13/00 | <.31 | 3.6 | NA | NA | NA | 41.0 | NA | NA | |
| | 06/22/00 | <.31 | 6.5 | NA | NA | NA | <4.2 | NA | NA | |
| | 09/27/00 | <.23 | 2.9 | NA | NA | NA | 29.0 | NA | NA | |
| | 12/19/00 | <.23 | 3.0 | NA | NA | NA | 22.0 | NA | NA | |
| | 03/01/01 | <.23 | <.57 | NA | NA | NA | <2.0 | NA | NA | |
| | 06/19/01 | <.17 | 2.40 | NA | NA | NA | 110.0 | NA | NA | |
| | 09/24/01 | <.17 | <.34 | NA | NA | NA | 40.0 | NA | NA | |
| | 12/05/01 | <.23 | <.57 | NA | NA | NA | 7.4 | NA | NA | |
| | 03/19/02 | <.23 | <.57 | NA | NA | NA | 3.4 | NA | NA | |
| | 06/20/02 | <.23 | 0.85* | NA | NA | NA | 39.0 | NA | NA | |
| | 09/18/02 | <.23 | <.44 | NA | NA | NA | 150.0 | NA | NA | |
| | 12/17/02 | <.23 | 0.67* | NA | NA | NA | 34.0 | NA | NA | |
| | 03/24/03 | <.17 | 0.67* | NA | NA | NA | 3.3 | NA | NA | |
| | 03/24/04 | NA | 0.79* | <36 | NA | NA | 83.0 | NA | NA | |
| | 03/29/05 | NA | 0.65 | <2.7 | NA | NA | 2.6 | NA | NA | |
| | 03/27/06 | NA | <0.40 | <5.0 | NA | NA | 6.2 | NA | NA | |
| | 03/27/07 | NA | <1.9 | NA | NA | NA | 1.4 | NA | NA | |
| | 04/29/11 | NA | 1.8 J | NA | NA | NA | 0.70 J | NA | NA | |
| | 04/14/15 | NA | <2.1 | NA | NA | NA | <1.4 | NA | NA | |
| MW-109 | **** | 06/21/06 | <0.92 | 1,300 | 1,400 | 2.4* | <9.4 | 480.0 | <0.072 | <20 |
| | **** | 09/20/06 | NA | 450 | NA | - | <9.4 | 430.0 | NA | <20 |
| | | 12/19/06 | NA | 550 | NA | NA | NA | NA | NA | NA |
| | | 03/29/07 | NA | 2,700 | NA | NA | 0.94 | 15 | NA | <20 |
| | | 07/03/07 | NA | 2,200 | NA | NA | NA | NA | NA | NA |
| | | 09/28/07 | NA | 1,300 | NA | NA | NA | NA | NA | NA |
| | | 04/16/08 | NA | 1,550 | NA | NA | NA | NA | NA | NA |
| | | 09/22/08 | NA | 892 | NA | NA | NA | NA | NA | NA |
| | | 04/03/09 | NA | 912 | NA | NA | NA | NA | NA | NA |
| | | 09/01/09 | NA | 1,520 | NA | NA | NA | NA | NA | NA |
| | | 03/17/10 | NA | 867 | NA | NA | NA | NA | NA | NA |
| | | 09/09/10 | NA | 718 | NA | NA | NA | NA | NA | NA |
| | | 04/29/11 | NA | 1,110 | NA | NA | NA | 3.8 J | NA | NA |
| | | 09/01/11 | NA | 2,040 | NA | NA | NA | NA | NA | NA |
| | | 03/16/12 | NA | 866 | NA | NA | NA | NA | NA | NA |
| | | 09/11/12 | NA | 582 | NA | NA | NA | NA | NA | NA |
| | | 04/29/13 | NA | 986 | NA | NA | NA | NA | NA | NA |
| | | 09/17/13 | NA | 805 | NA | NA | NA | NA | NA | NA |
| | | 04/21/14 | NA | 863 | NA | NA | NA | NA | NA | NA |
| | | 09/16/14 | NA | 944 | NA | NA | NA | NA | NA | NA |
| | | 04/14/15 | NA | 740 | NA | NA | NA | <1.4 | NA | NA |
| | | 09/14/15 | NA | 889 | NA | NA | NA | NA | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
 N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) | |
|-----------------------------|-------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|--------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 | |
| 1992 ES NR 140 | | 10 | 50 | 50 | 1,000 | 200 | 50.0 | 2 | 5,000 | |
| 1992 PAL NR 140 | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 | 2,500 | |
| MW-110 | **** | 06/21/06 | <0.92 | 24,000 | 26,000 | 2.9* | 40 | 290.0 | <0.072 | <20 |
| | **** | 09/20/06 | NA | 15,000 | NA | NA | 41 | 260.0 | NA | <20 |
| | 12/19/06 | NA | 15,000 | NA | NA | NA | 53 | NA | NA | NA |
| | 03/29/07 | NA | 47,000 | NA | NA | NA | 6.6 | 84 | NA | <20 |
| | 07/03/07 | NA | 3,200 | NA | NA | NA | 79 | NA | NA | NA |
| | 09/28/07 | NA | 51,000 | NA | NA | NA | 71 | NA | NA | NA |
| | 04/16/08 | NA | 32,500 | NA | NA | NA | 55 | NA | NA | NA |
| | 09/22/08 | NA | 32,500 | NA | NA | NA | 57 | NA | NA | NA |
| | 04/03/09 | NA | 30,900 | NA | NA | NA | 42 | NA | NA | NA |
| | 09/01/09 | NA | 34,400 | NA | NA | NA | 21 | NA | NA | NA |
| | 03/17/10 | NA | 22,800 | NA | NA | NA | 39 | NA | NA | NA |
| | 09/09/10 | NA | 5,060 | NA | NA | NA | 7.5 J | NA | NA | NA |
| | 04/29/11 | NA | 27.2 | NA | NA | <6.1 | 0.22 J | NA | NA | NA |
| | 09/01/11 | NA | 7,270 | NA | NA | 6.6 J | NA | NA | NA | NA |
| | 03/14/12 | NA | 4,530 | NA | NA | NA | 6.6 J | NA | NA | NA |
| | 09/12/12 | NA | 10,800 | NA | NA | NA | 13 J | NA | NA | NA |
| | 04/30/13 | NA | 294 | NA | NA | NA | 4.3 J | NA | NA | NA |
| | 09/17/13 | NA | 3,190 | NA | NA | NA | 4.3 J | NA | NA | NA |
| | 04/22/14 | NA | 76 | NA | NA | <10 | NA | NA | NA | NA |
| | 09/17/14 | NA | 1,960 | NA | NA | <0.010 | NA | NA | NA | NA |
| | 04/15/15 | NA | 156 | NA | NA | NA | 10 | 2.7 J | NA | NA |
| | 09/14/15 | NA | 849 | 860 | NA | <10 | NA | NA | NA | NA |
| MW-111 | **** | 06/21/06 | <0.92 | 1,400 | 1,400 | 3.3* | 27 | 190.0 | <0.072 | <20 |
| | **** | 09/20/06 | NA | 22 | NA | - | 20* | 210.0 | NA | <20 |
| | 12/19/06 | NA | 6.7 | NA | NA | NA | NA | NA | NA | NA |
| | 03/29/07 | NA | 2,300 | NA | NA | 31 | 11 | NA | NA | <20 |
| | 07/03/07 | NA | 41 | NA | NA | NA | NA | NA | NA | NA |
| | 09/28/07 | NA | 340 | NA | NA | NA | NA | NA | NA | NA |
| | 04/16/08 | NA | 212 | NA | NA | 16 J | NA | NA | NA | NA |
| | 09/22/08 | NA | 743 | NA | NA | NA | NA | NA | NA | NA |
| | 04/03/09 | NA | 381 | NA | NA | 13 J | NA | NA | NA | NA |
| | 09/01/09 | NA | 1,380 | NA | NA | NA | NA | NA | NA | NA |
| | 03/17/10 | NA | 649 | NA | NA | 17 J | NA | NA | NA | NA |
| | 09/09/10 | NA | 438 | NA | NA | NA | NA | NA | NA | NA |
| | 04/29/11 | NA | 238 | NA | NA | <6.1 | <0.14 | NA | NA | NA |
| | 09/01/11 | NA | 572 | NA | NA | NA | NA | NA | NA | NA |
| | 03/14/12 | NA | 432 | NA | NA | 13 | NA | NA | NA | NA |
| | 09/12/12 | NA | 24.5 | NA | NA | NA | NA | NA | NA | NA |
| | 04/30/13 | NA | 478 | NA | NA | 11 J | NA | NA | NA | NA |
| | 09/17/13 | NA | 509 | NA | NA | 11 J | NA | NA | NA | NA |
| | 04/21/14 | NA | 332 | NA | NA | 12 J | NA | NA | NA | NA |
| | 09/17/14 | NA | 302 | NA | NA | 12 J | NA | NA | NA | NA |
| | 04/14/15 | NA | 448 | NA | NA | 11 | <1.4 | NA | NA | NA |
| | 09/14/15 | NA | 582 | 660 | NA | 11 | NA | NA | NA | NA |
| MW-112 | **** | 06/21/06 | <0.92 | 130,000 | 140,000 | 5.3 | 140 | 180.0 | <0.072 | 34,000 |
| | **** | 09/20/06 | NA | 69,000 | NA | NA | 84 | 130.0 | NA | <20 |
| | 12/19/06 | NA | 55,000 | NA | NA | 88 | NA | NA | NA | <200 |
| | 03/28/07 | NA | 140,000 | NA | NA | 450 | 110 | NA | NA | <20 |
| | 07/03/07 | NA | 100,000 | NA | NA | 35 | NA | NA | NA | <200 |
| | 09/28/07 | NA | 150,000 | NA | NA | 320 | NA | NA | NA | 34 |
| | 04/16/08 | NA | 88,400 | NA | NA | 380 | NA | NA | NA | NA |
| | 09/22/08 | NA | 77,400 | NA | NA | 210 | NA | NA | NA | NA |
| | 04/03/09 | NA | 76,200 | NA | NA | 210 | NA | NA | NA | NA |
| | 09/01/09 | NA | 69,000 | NA | NA | 150 | NA | NA | NA | NA |
| | 03/17/10 | NA | 21,500 | NA | NA | 110 | NA | NA | NA | NA |
| | 09/09/10 | NA | 7,150 | NA | NA | 110 | NA | NA | NA | NA |
| | 04/29/11 | NA | 1,840 | NA | NA | <6.1 | 2.6 J | NA | NA | NA |
| | 09/01/11 | NA | 15,600 | NA | NA | 51 | NA | NA | NA | NA |
| | 03/14/12 | NA | 149 | NA | NA | <6.1 | NA | NA | NA | NA |
| | 09/12/12 | NA | 18,600 | NA | NA | 32 | NA | NA | NA | NA |
| | 04/30/13 | NA | 216 | NA | NA | 5.2 J | NA | NA | NA | NA |
| | 09/17/13 | NA | 2,940 | NA | NA | 5.2 J | NA | NA | NA | NA |
| | 04/21/14 | NA | 189 | NA | NA | <10 | NA | NA | NA | NA |
| | 09/17/14 | NA | 2,820 | NA | NA | 0.016 | NA | NA | NA | NA |
| | 04/14/15 | NA | 274 | NA | NA | 10 | <1.4 | NA | NA | NA |
| | 09/14/15 | NA | 13,600 | 16,000 | NA | 21 | NA | NA | NA | NA |

TABLE 5
Historical Groundwater Analytic Test Results--Selected Metals
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| Well Name | Sample Date | Cadmium (ug/l) | Chromium (ug/l) | Hexavalent Chromium (ug/l) | Copper (ug/l) | Cyanide (ug/l) | Manganese (ug/l) | Mercury (ug/l) | Zinc (ug/l) |
|-----------------------------|--------------|-------------------|--------------------|-------------------------------|------------------|-------------------|---------------------|-------------------|----------------|
| Max Contaminant Level (MCL) | | 5 | 100 | 100*** | 100 | 200 | 50.0 | 2 | 5,000 |
| 1992 ES NR 140 | | | 10 | 50 | 50 | 200 | 50.0 | 2 | 5,000 |
| 1992 PAL NR 140 | | | 1.0 | 5 | 5*** | 500 | 40 | 25.0 | 0.2 |
| MW-113 | **** | 06/21/06 | <0.92 | 25,000 | 26,000 | 3.4* | 11 | 170.0 | <0.072 |
| | **** | 09/20/06 | NA | 31,000 | NA | NA | 12* | 85.0 | NA |
| | | 12/19/06 | NA | 21,000 | NA | NA | NA | NA | NA |
| | | 03/29/07 | NA | 11,000 | NA | NA | <0.94 | 3.2 | NA |
| | | 07/03/07 | NA | 21,000 | NA | NA | NA | NA | NA |
| | | 09/28/07 | NA | 55,000 | NA | NA | NA | NA | NA |
| | | 04/16/08 | NA | 16,400 | NA | NA | NA | NA | NA |
| | | 09/22/08 | NA | 24,300 | NA | NA | NA | NA | NA |
| | | 04/03/09 | NA | 18,800 | NA | NA | NA | NA | NA |
| | | 09/01/09 | NA | 37,400 | NA | NA | NA | NA | NA |
| | | 03/17/10 | NA | 31,300 | NA | NA | NA | NA | NA |
| | | 09/09/10 | NA | 18,400 | NA | NA | NA | NA | NA |
| | | 04/29/11 | NA | 2,760 | NA | NA | NA | <0.14 | NA |
| | | 09/01/11 | NA | 16,700 | NA | NA | NA | NA | NA |
| | | 03/14/12 | NA | 7,460 | NA | NA | NA | NA | NA |
| | | 09/12/12 | NA | 25,800 | NA | NA | NA | NA | NA |
| | | 04/30/13 | NA | 776 | NA | NA | NA | NA | NA |
| | | 09/17/13 | NA | 31,100 | NA | NA | NA | NA | NA |
| | | 04/22/14 | NA | 12,000 | NA | NA | NA | NA | NA |
| | | 09/17/14 | NA | 25,900 | NA | NA | NA | NA | NA |
| | | 04/14/15 | NA | 10,800 | NA | NA | NA | <1.4 | NA |
| | | 09/14/15 | NA | 6,560 | 7,400 | NA | NA | NA | NA |
| PZ-5 | 07/19/05**** | NA | 1.3* | <5.0 | NA | NA | NA | NA | NA |
| | 09/21/05**** | NA | 0.41* | <5.0 | NA | NA | NA | NA | NA |
| PZ-6 | 07/19/05**** | NA | 1.2* | <5.0 | NA | NA | NA | NA | NA |
| | 09/21/05**** | NA | <0.40 | <5.0 | NA | NA | NA | NA | NA |
| PZ-7 | 07/19/05**** | NA | <0.52 | <5.0 | NA | NA | NA | NA | NA |
| | 09/21/05**** | NA | 0.55* | <5.0 | NA | NA | NA | NA | NA |
| PZ-8 | 07/19/05**** | NA | 1.1* | <5.0 | NA | NA | NA | NA | NA |
| | 09/21/05**** | NA | <0.40 | <5.0 | NA | NA | NA | NA | NA |

EXPLANATION:

Samples collected prior to 10/27/98 were collected by CH2M Hill.

* = Analyte detected between limit of detection and limit of quantitation.

** = Compound was found in sample and blank.

*** = Standard is for Total Chromium.

**** = OMNNI Associates, Inc. collected groundwater samples from PZ-5 to PZ-8 on July 19, 2005 and September 21, 2005 and MW-109 to MW-113 on June 21, 2006 and September 20, 2006 using a peristaltic pump and dedicated tubing.

ND = Not detected above the analytical laboratories method detection limit

NA = Not Analyzed

J = Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MW-104 = Was tested for Aluminum, Nickel, Arsenic & Lead. No quantifiable detections were noted for any of the analytes.

ug/L = Microgram/Liter

mg/L = Milligram / Liter

Indicates an exceedance of the 1992 NR 140 Groundwater Quality Enforcement Standard (ES)

Indicates Exceedance of the 1992 NR 140 Groundwater Preventive Action Limit (PAL)

NOTE: The EPA Record of Decision establishes the 1992 PALS as the cleanup goals for the site.

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| W-2 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 09/18/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <124 | <68 | <40 | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <.4 | <68 | <40 | <.5 | <.5 | .4** | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | <.27 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | .15* | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | .13* | <.14 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | <.36 | | <.35 | <.15 | <.39 | *** | <.37 | <.33 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | <.37 | <.42 | <.32 | <.42 | *** | <.43 |
| W-8 | 02/20/97 | NA | NA | NA | | NA | NA | NA | NA | NA | NA | NA | NA | NA | - |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 09/18/97 | <.5 | <.6 | <85 | | <40 | <7 | <7 | <124 | <68 | <40 | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <40 | <7 | <7 | <.4 | <68 | <40 | <.5 | <.5 | .4** | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <40 | <7 | <7 | <.3 | <68 | <40 | <.5 | <.5 | .3** | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <40 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | <.27 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | .19* | <.15 | <.15 | | <.15 | <.16 | <.17 | *** | .15* | <.14 | <.15 | <.15 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | 0.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | <.36 | | <.35 | <.15 | <.39 | *** | <.37 | <.33 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | <.37 | <.42 | <.32 | <.42 | *** | <.43 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds ($\mu\text{g/L}$) | | | | | | | | | | | | | |
|-----------------|----------|---|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| W-15 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 05/27/97 | <.5 | 0.22 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 09/18/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <124 | <68 | <40 | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <.4 | <68 | <40 | <.5 | <.5 | .4** | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | <.27 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | .16* | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | <.36 | | <.35 | <.15 | <.39 | *** | <.37 | <.33 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | <.50* | <.42 | <.32 | <.42 | *** | <.43 |
| MW-101 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 09/18/97 | <.5 | <.6 | .491* | | .353* | <7 | <7 | <124 | <68 | 3.03 | <.5 | 3.31 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | <.27 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | 0.91 | <.14 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | <.36 | | <.35 | <.15 | <.39 | *** | <.37 | <.33 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | <.40* | <.42 | <.32 | <.42 | *** | <.43 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-102 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 09/18/97 | <.5 | <.6 | <.85 | | <85 | <7 | <7 | <124 | <68 | <40 | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <85 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <85 | <7 | <7 | <.4 | <68 | <40 | <.5 | <.5 | .4* | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <85 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | <.27 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | 0.65 | <.14 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | .21* | <.14 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | <.36 | | <.35 | <.15 | <.39 | *** | <.37 | <.33 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | <.37 | <.42 | <.32 | <.42 | *** | <.43 |
| MW-103 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 09/18/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <124 | <68 | <40 | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | <.27 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | .15* | <.14 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | <.36 | | <.35 | <.15 | <.39 | *** | <.37 | <.33 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | .23* | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.39 | *** | <.37 | <.42 | <.32 | <.42 | *** | <.42 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-104 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 09/18/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <124 | <68 | .324* | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | 0.4 | | <.7 | <7 | <7 | <120 | <68 | 1* | <.5 | 0.9 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | .8* | <.5 | <.5 | <120 | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | 2* | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | .35* | | <.28 | <.27 | <.26 | <.17 | <.21 | 1.8 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | <.13 | <.15 | .38* | | <.15 | <.16 | <.17 | *** | .17* | 1.5 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | .34* | | <.15 | <.16 | <.17 | *** | .14* | 1.4 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | .38* | | <.15 | <.16 | <.17 | *** | .27* | 1.6 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | .38* | | <.35 | <.15 | <.39 | *** | <.37 | 1.6 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | 2.8 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | 2.4 | <.25 | <.23 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | <.37 | 1.3* | <.32 | <.42 | *** | <.43 |
| MW-105 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 |
| | 09/18/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <124 | <68 | <40 | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <.4 | <68 | <40 | <.5 | <.5 | .4* | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | .27 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | .16* | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | .3* | <.14 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13* | <.14 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | .36 | | <.35 | <.15 | <.39 | *** | <.37 | <.33 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | 0.64* | <.42 | <.32 | <.42 | *** | <.43 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-106 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | - |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | - |
| | 09/18/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <124 | <68 | 2.73* | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | <.27 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | .18* | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.17 | <.14 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | <.13 | <.14 | <.15 | <.14 | *** | <.37 |
| | 03/13/00 | <.32 | <.28 | <.36 | | <.35 | <.15 | 0.39 | *** | <.37 | <.33 | <.11 | <.34 | *** | <.71 |
| | 03/01/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | 5.7 | <.42 | <.32 | <.42 | *** | <.43 |
| MW-107 | 02/20/97 | <.5 | 0.3 | 11 | | 8.4 | 0.7 | <.7 | <.5 | <.5 | 81 | 0.6 | 50 | <.5 | - |
| | 05/27/97 | 0.09 | 1.10 | 36 | | 40 | 3.1 | <3.1 | <.5 | 0.34 | 390 | 3.5 | 420 | <.5 | - |
| | 09/18/97 | <10 | <12 | 47.6 J | | 22.1 | 2.61 J | <2.61 | <2480 | <68 | 265 J | 2.83 | 295 | <2480 | - |
| | 12/12/97 | <10 | <12 | 56 J | | 23 | 3 J | <3 | <2500 | <68 | 280 | 3 | 290 | <2500 | - |
| | 03/25/98 | <25 | <30 | 61 J | | 69 | 5 J | <5 | <17 | <68 | 720 | 5 | 620 | 17* | - |
| | 06/10/98 | <12 | <15 | 59* | | 58 | <3 | <3 | <3100 | 63* | 340 J | 4 J | 390 | <3100 | - |
| | 10/27/98 | <.24 | 1.4 | 62 | | 46 J | 3.6 | 0.51 J | <.17 | <.21 | 550 | 4.9 | 640 | <.36 | - |
| | 02/09/99 | <3.2 | <3.8 | 48 | | 24 | <4.0 | <4.2 | *** | <3.2 | 220 | <.38 | 250 | *** | <9.2 |
| | 06/08/99 | <2.6 | <3.0 | 42 | | 20 | <3.2 | <3.4 | *** | <2.6 | 200 | <3.0 | 310 | *** | <7.4 |
| | 09/13/99 | <.26 | <3.0 | 34 | | 19 | <.32 | <3.4 | *** | <2.6 | 180 | <.3.0 | 320 | *** | <7.4 |
| | 12/15/99 | <3.2 | <3.8 | 37 | | 56 | 4.6 J | <4.2 | *** | <3.2 | 570 | 4.5 J | 880 | *** | <9.2 |
| | 03/13/00 | <26 | <23 | 50 J | | 32 J | <12 | <31 | *** | <30 | 340 | <.90 | 630 | *** | <57 |
| | 06/22/00 | <26 | <23 | <29 | | 50 J | <12 | <31 | *** | <30 | 540 | <9 | 850 | *** | <57 |
| | 09/27/00 | <26 | <23 | 35 J | | 54 J | <12 | <31 | *** | <30 | 560 | <9 | 870 | *** | <57 |
| | 12/19/00 | <6.4 | <5.6 | 36 | | 53 | 4.5 J | <7.8 | *** | <7.5 | 480 | 4.1 J | 790 | *** | <20 |
| | 03/01/01 | <6.0 | <7.4 | <32 | | <6.7 | <14 | <6.5 | *** | <8.7 | 420 | <13 | 760 | *** | <28 |
| | 06/25/01 | <6.5 | <15 | 26 | | 35 | <9 | <6.1 | *** | <6.2 | 360 | <6.5 | 620 | *** | <32 |
| | 09/24/01 | <6.5 | <15 | 36 | | 50 | <9 | <6.1 | *** | <6.2 | 480 | <6.5 | 760 | *** | <32 |
| | 12/05/01 | <6.5 | <15 | 40 | | 50 | <9 | <6.1 | *** | <6.2 | 500 | <6.5 | 810 | *** | <32 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-107 | 03/19/02 | <6.0 | <7.5 | 37 J | | 43 | <14 | <6.5 | *** | <8.7 | 440 | <13 | 740 | *** | <28 |
| (cont.) | 06/20/02 | <7.9 | <11 | 31 | | 39 | <7.2 | <8.9 | *** | <7.6 | 410 | <6.8 | 690 | *** | <14 |
| | 09/18/02 | <7.9 | <11 | 34 | | 39 | <7.2 | <8.9 | *** | <7.6 | 430 | <6.8 | 710 | *** | <14 |
| | 12/17/02 | <7.9 | <11 | 40 | | 43 | <7.2 | <8.9 | *** | <7.6 | 470 | <6.8 | 850 | *** | <14 |
| | 03/24/03 | <.17 | <.18 | 33 J | | 37 J | <19 | <19 | *** | <19 | 390 | <16 | 640 | *** | <22 |
| | 06/10/03 | <5.7 | <8.0 | <5.3 | | 39 | <11 | <8.2 | *** | <7.2 | 400 | <9.0 | 680 | *** | <17 |
| | 09/10/03 | <17 | <18 | 36 J | | 41 J | <19 | <19 | *** | <19 | 430 | <16 | 730 | *** | <22 |
| | 12/10/03 | <17 | <18 | 25 J | | 31 J | <19 | <19 | *** | <19 | 380 | <16 | 740 | *** | <22 |
| | 03/24/04 | <7.5 | <7.0 | <7.1 | | 22 | <6.8 | <6.0 | *** | <7.6 | 220 | <8.1 | 370 | *** | <19 |
| | 07/29/04 | <2.0 | <1.8 | 29 | | 25 | <4.1 | <4.4 | *** | <3.4 | 310 | 3.4 | 510 | *** | <13.1 |
| | 09/22/04 | <7.5 | <7.0 | 28 | | 34 | <6.8 | <6.0 | *** | <7.6 | 270 | <8.1 | 570 | *** | <19 |
| | 12/14/04 | <7.5 | <7.0 | 33 | | 40 | <6.8 | <6.0 | *** | <7.6 | 410 | <8.1 | 800 | *** | <19 |
| | 03/29/05 | <2.0 | <1.8 | 39 | | 20 | <4.1 | <4.4 | *** | <3.4 | 200 | 0.21 | 330 | *** | <13.1 |
| | 06/22/05 | <1.0 | <0.92 | 18 | | 8.2 | <2.1 | <2.2 | *** | <1.7 | 82 | <1.0 | 160 | *** | <6.6 |
| | 09/21/05 | <2.0 | <1.8 | 39 | | 18.0 | <4.1 | <4.4 | *** | <3.4 | 220 | <2.1 | 470 | *** | <13.1 |
| | 12/15/05 | <2.0 | <1.8 | 42 | | 26.0 | <4.1 | <4.4 | *** | <3.4 | 250 | <2.1 | 490 | *** | <13.1 |
| | 03/23/06 | <2.0 | <1.8 | 31 | | 16.0 | <4.1 | <4.4 | *** | <3.4 | 150 | <2.1 | 330 | *** | <13.1 |
| | 06/28/06 | <2.0 | <1.8 | 37 | | 28.0 | <4.1 | <4.4 | *** | <3.4 | 270 | <2.1 | 550 | *** | <13.1 |
| | 09/20/06 | <4.1 | <3.7 | 32 | | 31.0 | <8.3 | <8.9 | *** | <6.7 | 330 | <4.2 | 700 | *** | <26.3 |
| | 12/19/06 | <2.0 | <1.8 | 52 | | 30 | <4.1 | <4.4 | *** | <3.4 | 280 | 3.3 J | 580 | *** | <13.1 |
| | 03/28/07 | <0.82 | <0.74 | 19 | | 18 | 2.1 | <1.8 | *** | <1.3 | 190 | 1.7 | 340 | *** | <5.3 |
| | 07/03/07 | <1.0 | <0.92 | 30 | | 15 | 2.3 | <2.2 | *** | <1.7 | 160 | 1.5 | 350 | *** | <6.6 |
| | 09/28/07 | <2.0 | <1.8 | 35 | | 19 | <4.1 | <4.4 | *** | <3.4 | 210 | 2.4 J | 420 | *** | <13.1 |
| | 04/16/08 | <2.0 | <1.8 | 20.8 | | 21.8 | <4.2 | <4.4 | *** | <3.4 | 257 | 2.7 J | 550 | *** | <13.2 |
| | 09/22/08 | <2.0 | <6.5 | 38.5 | | 34.2 | 4.5 J | <4.4 | *** | <3.4 | 368 | 2.8 J | 679 | *** | <13.2 |
| | 04/03/09 | <2.0 | <6.5 | 22.6 | | 22.7 | <4.2 | <4.4 | *** | <3.4 | 283 | <2.1 | 593 | *** | <13.2 |
| | 09/01/09 | <2.0 | <6.5 | 41.4 | | 37.7 | <4.2 | <4.4 | *** | <3.4 | 347 | 2.8 J | 715 | *** | <13.2 |
| | 03/17/10 | <2.0 | <6.5 | 25.3 | | 29.0 | <4.2 | <4.4 | *** | <3.4 | 276 | <2.1 | 620 | *** | <13.2 |
| | 09/09/10 | <2.0 | <6.5 | 25.8 | | 26.7 | <4.2 | <4.4 | *** | <3.4 | 283 | <2.1 | 685 | *** | <13.2 |
| | 04/29/11 | <2.0 | <6.5 | 21.0 | | 18.3 | <4.2 | <4.4 | *** | <3.4 | 213 | <2.1 | 551 | *** | <13.2 |
| | 09/01/11 | <2.0 | <6.5 | 31.5 | | 26.1 | <4.2 | <4.4 | *** | 5.2 | 297 | 2.3 J | 641 | *** | <13.2 |
| | 03/14/12 | <2.0 | <6.5 | 21.4 | | 15.6 | <4.2 | <4.4 | *** | <3.4 | 190 | <2.1 | 463 | *** | <13.2 |
| | 09/11/12 | <2.0 | <6.5 | 32.0 | | 30.5 | 4.2 J | <4.4 | <4.2 | <3.4 | 305 | <2.1 | 664 | <9.0 | <13.2 |
| MW-107 | 04/30/13 | <2.5 | <3.4 | 16.3 | | 15.5 | <2.1 | <1.9 | <2.5 | <2.2 | 177 | <1.9 | 460 | <4.1 | <6.6 |
| (cont.) | 09/17/13 | <5.0 | <6.9 | 3.7 | | 11.9 | <4.2 | <3.7 | <5.0 | <4.4 | 174 | <3.9 | 531 | <8.2 | <13.2 |
| | 04/21/14 | <2.5 | <12.5 | 14.9 | | 11.7 | 1.7 J | <1.2 | <2.5 | <2.5 | 129 | <0.78 | 399 | <5.0 | <7.5 |
| | 09/16/14 | <2.5 | <12.5 | 5.2 | | 10.7 | 2.2 J | <1.3 | <2.5 | <2.5 | 120 | <0.78 | 418 | <5.0 | <7.5 |
| | 04/14/15 | <2.5 | <12.5 | 16.2 | | 15.3 | <1.3 | <1.3 | <2.5 | <2.5 | 159 | <0.99 | 382 | <5.0 | <7.5 |
| | 09/14/15 | <2.5 | <12.5 | 25.5 | <0.84 | 19.1 | 2.1 J | <1.3 | *** | <2.5 | 176 | <0.99 | 470 | *** | <7.5 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-108 | 02/20/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | - |
| | 05/27/97 | <.5 | <.5 | <.5 | | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | <.5 | - |
| | 09/18/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <124 | <68 | <40 | <.5 | <.5 | <124 | - |
| | 12/12/97 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 03/25/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <40 | <.5 | <.5 | <120 | - |
| | 06/10/98 | <.5 | <.6 | <85 | | <.7 | <7 | <7 | <120 | <68 | <44 | <.5 | <.5 | <120 | - |
| | 10/27/98 | <.24 | <.23 | <.22 | | <.28 | <.27 | <.26 | <.17 | <.21 | <.26 | <.23 | <.29 | <.36 | - |
| | 02/09/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | 0.83 | <.14 | <.15 | <.14 | *** | <.37 |
| | 06/08/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | .15* | <.14 | <.15 | <.14 | *** | <.37 |
| | 09/13/99 | <.13 | <.15 | <.14 | | <.15 | <.16 | <.17 | *** | 0.84 | <.14 | <.15 | <.14 | *** | <.32 |
| | 03/13/00 | <.32 | <.28 | <.36 | | <.35 | <.15 | <.39 | *** | <.37 | <.33 | <.11 | <.36 | *** | <.71 |
| | 03/31/01 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/19/02 | <.12 | <.15 | <.64 | | <.13 | <.28 | <.13 | *** | <.17 | <.17 | <.25 | <.13 | *** | <.56 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | <.37 | <.42 | <.32 | <.42 | *** | <.43 |
| | 03/24/03 | <.35 | <.35 | <.35 | | <.39 | <.39 | <.37 | *** | <.37 | <.42 | <.32 | <.42 | *** | <.43 |
| MW-109 | 06/21/06 | - | 0.40* | 1.3* | | 1.9 | <0.83 | <0.89 | *** | - | 37 | 0.45 J | 46 | *** | - |
| | 09/20/06 | - | 0.39* | 1.7* | | 2.2 | <0.83 | <0.89 | *** | - | 37 | 0.45 J | 51 | *** | - |
| | 12/19/06 | <.41 | 0.44* | 2.7 | | 1.1* | <0.83 | <0.89 | *** | - | 33 | 0.52 J | 42 | *** | <2.63 |
| | 03/29/07 | <.41 | <0.37 | 0.85 | | 1.3 | <0.83 | <0.89 | *** | <13 | 27 | <0.42 | 37 | *** | <2.63 |
| | 07/03/07 | <.41 | 0.38* | 1.7 | | 1.3 | <0.83 | <0.89 | *** | <0.67 | 34 | 0.54 | 47 | *** | <2.63 |
| | 09/28/07 | <.41 | <0.37 | <0.75 | | 1.1* | <0.83 | <0.89 | *** | <0.67 | 22 | <0.42 | 35 | *** | <2.63 |
| | 04/16/08 | <.41 | 0.39 J | 1.9 | | 1.9 | <0.83 | <0.89 | *** | <0.67 | 31.9 | 0.45 J | 39.4 | *** | <2.63 |
| | 09/22/08 | <.41 | <1.3 | 0.98 J | | 1.4 | <0.83 | <0.89 | *** | <0.67 | 26.9 | <0.42 | 38.8 | *** | <2.63 |
| | 04/03/09 | <.41 | <1.3 | 2.4 | | 1.1 | <0.83 | <0.89 | *** | <0.67 | 29.6 | <0.42 | 36.3 | *** | <2.63 |
| | 09/01/09 | <.41 | <1.3 | 1.4 | | 2.2 | <0.83 | <0.89 | *** | <0.67 | 35.8 | 0.50 J | 50.8 | *** | <2.63 |
| | 03/17/10 | <.41 | <1.3 | 2.4 | | 1.6 | <0.83 | <0.89 | *** | <0.67 | 27.4 | <0.42 | 37.9 | *** | <2.63 |
| | 09/09/10 | <.41 | <1.3 | 0.84 J | | 1.2 | <0.83 | <0.89 | *** | <0.67 | 23.5 | <0.42 | 41.5 | *** | <2.63 |
| | 04/29/11 | <.41 | <1.3 | 2.2 | | 1.6 | <0.83 | <0.89 | *** | <0.67 | 27.1 | 0.43 J | 38.6 | *** | <13.2 |
| | 09/01/11 | <.41 | <1.3 | 2.7 | | 2.6 | <0.83 | <0.89 | *** | <0.67 | 52.5 | 0.69 J | 66.8 | *** | <2.63 |
| | 03/14/12 | <.41 | <1.3 | 2.4 | | 1.1 | <0.83 | <0.89 | *** | <0.67 | 22.3 | <0.42 | 33.5 | *** | <2.63 |
| | 09/11/12 | <.41 | <1.3 | 1.1 | | 0.91 J | <0.83 | <0.89 | *** | <0.67 | 19.5 | <0.42 | 30.2 | *** | <2.63 |
| | 04/30/13 | <.50 | <0.69 | 1.8 | | 1.0 | <0.42 | <0.37 | *** | <0.44 | 16.7 | <0.39 | 28.7 | *** | <1.32 |
| | 09/17/13 | <.50 | <0.69 | 0.8 | | 0.8 | <0.42 | <0.37 | *** | <0.44 | 12.6 | <0.39 | 26.3 | *** | <1.32 |
| | 04/21/14 | <.50 | <2.5 | 1.9 | | 1.0 | <0.26 | <0.24 | *** | <0.50 | 18.9 | 0.27 J | 28.6 | *** | <1.5 |
| | 09/16/14 | <.50 | <2.5 | 1.0 | | 0.89 J | <0.26 | <0.26 | <0.50 | <0.50 | 21.4 | <0.16 | 31.1 | <1.0 | <1.5 |
| | 04/14/15 | <.50 | <2.5 | 1.5 | | 1.1 | <0.26 | <0.26 | <0.50 | <0.50 | 17.8 | <0.20 | 23.5 | <1.0 | <1.5 |
| | 09/14/15 | <.50 | <2.5 | 1.4 | <0.17 | 1.1 | <0.26 | <0.26 | *** | <0.50 | 24.1 | <0.20 | 38.3 | *** | <1.5 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-110 | 06/21/06 | - | <3.7 | 310 | | 340 | 56 | 19 | *** | - | 1,500 | <4.2 | 27 | *** | - |
| | 09/20/06 | - | <3.7 | 260 | | 300 | 57 | 28 J | *** | - | 1,100 | <4.2 | 30 | *** | - |
| | 12/19/06 | <4.1 | <3.7 | 230 | | 240 | 55 | 16 J | *** | <6.7 | 910 | <4.2 | 23 | *** | <2.63 |
| | 03/29/07 | <8.2 | <7.4 | 250 | | 340 | 59 | 24 | *** | <13 | 1,500 | <8.4 | 32 | *** | <53 |
| | 07/03/07 | <8.2 | <7.4 | 270 | | 230 | 59 | 18 | *** | <13 | 1,300 | <8.4 | 26 | *** | <53 |
| | 09/28/07 | <10 | <9.2 | 380 | | 350 | 67 J | 23 J | *** | <17 | 1,600 | <10 | 32 J | *** | <2.63 |
| | 04/16/08 | <8.2 | <7.4 | 206 | | 195 | 55.9 | <17.8 | *** | <13.4 | 918 | <8.4 | 28.2 | *** | <52.6 |
| | 09/22/08 | <4.1 | <13.0 | 246 | | 239 | 73.5 | 29.1 | *** | <6.7 | 1,210 | <4.2 | 45.5 | *** | <26.3 |
| | 04/03/09 | <4.1 | <13.0 | 195 | | 188 | 56.5 | 14.0 | *** | <6.7 | 914 | <4.2 | 26.2 | *** | <26.3 |
| | 09/01/09 | <4.1 | <13.0 | 257 | | 268 | 74.9 | 16.3 | *** | <6.7 | 1,130 | <4.2 | 44.2 | *** | <26.3 |
| | 03/17/10 | <4.1 | <13.0 | 159 | | 169 | 47.3 | 9.8 J | *** | <6.7 | 718 | <4.2 | 29.8 | *** | <26.3 |
| | 09/09/10 | <1.0 | <3.2 | 36.3 | | 47.7 | 17.2 | 3.3 | *** | <1.7 | 252 | <1.0 | 23.5 | *** | <6.6 |
| | 04/29/11 | <0.41 | <1.3 | 0.84 J | | 0.62 J | <0.83 | <0.89 | *** | <0.67 | 6.6 | <0.42 | 1.0 | *** | <2.63 |
| | 09/01/11 | <0.41 | <1.3 | 32.5 | | 40.0 | 22.2 | 3.0 | *** | <0.67 | 232 | 0.87 J | 32.7 | *** | <2.63 |
| | 03/14/12 | <1.6 | <1.3 | 39.6 | | 29.9 | 13.4 | 2.3 | *** | <0.67 | 170 | 0.46 J | 15.8 | *** | <2.63 |
| | 09/12/12 | <1.6 | <5.2 | 65.3 | | 68.9 | 24.4 | 5.2 | *** | <2.7 | 313 | <1.7 | 22.7 | *** | <10.5 |
| | 04/30/13 | <0.50 | <0.69 | 6.8 | | 4.4 | 1.9 | 0.38 J | *** | <0.44 | 28.1 | <0.39 | 4.7 | *** | <1.32 |
| | 09/17/13 | <0.50 | <0.69 | 28.5 | | 25.6 | 11.4 | 1.9 | *** | <0.44 | 111 | 0.48 | 18 | *** | <1.32 |
| | 04/22/14 | <0.50 | <2.5 | 3.1 | | 1.5 | 0.60 J | <0.24 | *** | <0.50 | 9.6 | <0.16 | 2.4 | *** | <1.5 |
| | 09/17/14 | <0.50 | <2.5 | 24.7 | | 19.1 | 10.4 | 1.5 | <0.5 | <0.50 | 115 | 0.38 J | 19.3 | <1.0 | <1.5 |
| | 04/15/15 | <0.50 | <2.5 | 4.1 | | 2.3 | 0.96 J | <0.26 | <0.5 | <0.50 | 11.5 | <0.20 | 2.2 | <1.0 | <1.5 |
| | 09/14/15 | <0.50 | <2.5 | 23.1 | 0.34 J | 17.4 | 8.7 | 1.4 | *** | <0.50 | 92.9 | 0.38 J | 19.1 | *** | <1.5 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-111 | 06/21/06 | - | 0.59* | 2.7 | | 11 | <0.83 | <0.89 | *** | - | 78 | 0.71 | 180 | *** | - |
| | 09/20/06 | - | <0.37 | 3.2 | | 7.7 | <0.83 | <0.89 | *** | - | 36 | <0.42 | 97 | *** | - |
| | 12/19/06 | <0.41 | <0.37 | 2.0* | | 1.5* | <0.83 | <0.89 | *** | <0.67 | 7.9 | <0.42 | 21 | *** | <2.63 |
| | 03/29/07 | <0.41 | 0.77 | 1.7 | | 7.3 | <0.83 | <0.89 | *** | <0.67 | 52 | <0.42 | 120 | *** | <2.63 |
| | 07/03/07 | <0.41 | <0.37 | <0.36 | | 1.8 | <0.83 | <0.89 | *** | <0.67 | 14 | <0.42 | 37 | *** | <2.63 |
| | 09/28/07 | <0.41 | <0.37 | 2.4* | | 2.8 | <0.83 | <0.89 | *** | <0.67 | 22 | <0.42 | 55 | *** | <2.63 |
| | 04/16/08 | <0.41 | 1.2 | 1.6 | | 2.7 | <0.83 | <0.89 | *** | <0.67 | 20.3 | <0.42 | 52.9 | *** | <2.63 |
| | 09/22/08 | <0.41 | <1.3 | 2.6 | | 6.7 | <0.83 | <0.89 | *** | <0.67 | 59.0 | 0.53 J | 142 | *** | <2.63 |
| | 04/03/09 | <0.41 | <1.3 | 1.6 | | 2.7 | <0.83 | <0.89 | *** | <0.67 | 21.4 | <0.42 | 57.7 | *** | <2.63 |
| | 09/01/09 | <0.41 | <1.3 | 2.5 | | 7.5 | <0.83 | <0.89 | *** | <0.67 | 56.8 | 0.51 J | 147 | *** | <2.63 |
| | 03/17/10 | <0.41 | <1.3 | 1.8 | | 3.9 | <0.83 | <0.89 | *** | <0.67 | 27.5 | <0.42 | 75.3 | *** | <2.63 |
| | 09/09/10 | <0.41 | <1.3 | 2.2 | | 4.5 | <0.83 | <0.89 | *** | <0.67 | 37.5 | <0.42 | 110 | *** | <2.63 |
| | 04/29/11 | <0.41 | <1.3 | 2.0 | | 2.7 | <0.83 | <0.89 | *** | <0.67 | 21.1 | <0.42 | 65.0 | *** | <2.63 |
| | 09/01/11 | <0.41 | <1.3 | 2.3 | | 4.5 | <0.83 | <0.89 | *** | <0.67 | 39.7 | <0.42 | 109 | *** | <2.63 |
| | 03/14/12 | <0.41 | <1.3 | 2.3 | | 2.7 | <0.83 | <0.89 | *** | <0.67 | 23.9 | <0.42 | 62.6 | *** | <2.63 |
| | 09/12/12 | <0.41 | <1.3 | 3.1 | | 3.2 | <0.83 | <0.89 | *** | <0.67 | 24.1 | <0.42 | 66.7 | *** | <2.63 |
| | 04/30/13 | <0.50 | <0.69 | 1.8 | | 2.9 | <0.42 | <0.37 | *** | <0.44 | 19.8 | <0.39 | 64.1 | *** | <1.32 |
| | 09/17/13 | <0.50 | <0.69 | 2.3 | | 4.8 | <0.42 | <0.37 | *** | <0.44 | 32.1 | <0.39 | 108 | *** | <1.32 |
| | 04/21/14 | <0.50 | <2.5 | 1.7 | | 2.2 | <0.26 | <0.24 | *** | <0.50 | 18.4 | 0.20 J | 60 | *** | <1.5 |
| | 09/17/14 | <0.50 | <2.5 | 2.7 | | 3.9 | <0.26 | <0.26 | <0.50 | <0.50 | 36.9 | 0.30 J | 110 | <1.0 | <1.5 |
| | 04/14/15 | <0.50 | <2.5 | 1.6 | | 2.4 | <0.26 | <0.26 | <0.50 | <0.50 | 15.6 | <0.20 | 44.2 | <1.0 | <1.5 |
| | 09/14/15 | <0.50 | <2.5 | 2.3 | <0.17 | 3.9 | <0.26 | <0.26 | *** | <0.50 | 32.1 | <0.20 | 103 | *** | <1.5 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-112 | 06/21/06 | - | <1.8 | <3.7 | | <3.8 | <4.1 | <4.4 | *** | - | 7.9* | <2.1 | 450 | *** | - |
| | 09/20/06 | - | <0.37 | <7.5 | | <5.7 | <8.3 | <8.9 | *** | - | <9.0 | <4.2 | 540 | *** | - |
| | 12/19/06 | <2.0 | <1.8 | <3.8 | | <2.8 | <4.1 | <4.4 | *** | <3.4 | <4.5 | <2.1 | 240 | *** | <13.1 |
| | 03/29/07 | <4.1 | <3.7 | <7.5 | | <5.7 | <8.3 | <8.9 | *** | <6.7 | 20 | <4.2 | 940 | *** | <26.3 |
| | 07/03/07 | <2.0 | <1.8 | <3.8 | | <2.8 | <4.1 | <4.4 | *** | <3.4 | 11 | <2.1 | 750 | *** | <13.1 |
| | 09/28/07 | <4.1 | <3.7 | <7.5 | | <5.7 | <8.3 | <8.9 | *** | <6.7 | 13* | <4.2 | 820 | *** | <2.63 |
| | 04/16/08 | <4.1 | <3.7 | <7.5 | | <5.7 | <8.3 | <8.9 | *** | <6.7 | 20.1 | <4.2 | 1130 | *** | <26.3 |
| | 09/22/08 | <4.1 | <13.0 | <7.5 | | 5.7 J | <8.3 | <8.9 | *** | <6.7 | 19.0 | <4.2 | 1160 | *** | <26.3 |
| | 04/03/09 | <4.1 | <13.0 | <7.5 | | 5.8 J | <8.3 | <8.9 | *** | <6.7 | 20.6 | <4.2 | 1250 | *** | <26.3 |
| | 09/01/09 | <4.1 | <13.0 | <7.5 | | 8.2 J | <8.3 | <8.9 | *** | <6.7 | 25.8 | <4.2 | 1600 | *** | <26.3 |
| | 03/17/10 | <4.1 | <13.0 | <7.5 | | <5.7 | <8.3 | <8.9 | *** | <6.7 | <9.0 | <4.2 | 556 | *** | <26.3 |
| | 09/09/10 | <4.1 | <13.0 | <7.5 | | <5.7 | <8.3 | <8.9 | *** | <6.7 | <9.0 | <4.2 | 546 | *** | <26.3 |
| | 04/29/11 | <0.41 | <1.3 | <0.75 | | <0.57 | <0.83 | <0.89 | *** | <0.67 | 0.94 J | <0.42 | 111 | *** | <2.63 |
| | 09/01/11 | <2.0 | <6.5 | <3.8 | | <2.8 | <4.2 | <4.4 | *** | <3.4 | 7.5 | <2.1 | 557 | *** | <13.2 |
| | 09/01/11 | <0.41 | <1.3 | <0.75 | | <0.57 | <0.83 | <0.89 | *** | <0.67 | <0.90 | <0.42 | 47.9 | *** | <2.63 |
| | 09/12/12 | <2.0 | <6.5 | <3.8 | | <2.8 | <4.2 | <4.4 | *** | <3.4 | 7.8 | <2.1 | 623 | *** | <13.2 |
| | 04/30/13 | <0.50 | <0.69 | <0.28 | | <0.43 | <0.43 | <0.37 | *** | <0.44 | <0.44 | <0.39 | 75 | *** | <1.32 |
| | 09/17/13 | <2.5 | <3.4 | 1.9 | | <2.1 | <2.1 | <1.9 | *** | <2.2 | 3.4 | <1.9 | 474 | *** | <6.6 |
| | 04/21/14 | <0.50 | <2.5 | 0.24 J | | <0.41 | <0.26 | <0.24 | *** | <0.50 | <0.50 | <0.16 | 46 | *** | <1.5 |
| | 09/17/14 | <2.5 | <12.5 | 2.1 J | | <2.1 | <1.3 | <1.3 | <2.5 | <2.5 | 3.8 J | <0.78 | 493 | <5.0 | <7.5 |
| | 04/14/15 | <0.50 | <2.5 | <0.24 | | <0.41 | <0.26 | <0.26 | <0.50 | <0.50 | <0.20 | <0.20 | 52.4 | <1.0 | <1.5 |
| | 09/14/15 | <0.50 | <2.5 | 1.6 | <0.17 | <0.41 | 0.61 J | <0.26 | *** | <0.50 | 2.5 | <0.20 | 294 | *** | <1.5 |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | | Detected Volatile Organic Compounds (µg/L) | | | | | | | | | | | | | |
|-----------------|----------|--|------------|--------------------|--------------------|--------------------|------------------------|--------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2-Dichloroethene | Trans-1,2-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |
| MW-113 | 06/21/06 | - | <0.74 | 37 | | 44 | 4.4 J | <1.8 | *** | - | 240 | <0.84 | 92 | *** | - |
| | 09/20/06 | - | <0.37 | 22 | | 19 | 3.6 | 1.3 J | *** | - | 120 | 0.82 J | 81 | *** | - |
| | 12/19/06 | <2.0 | <1.8 | 28 | | 16 | 5.2* | <4.4 | *** | <3.4 | 120 | <2.1 | 91 | *** | <13.1 |
| | 03/29/07 | <0.41 | <0.37 | 10 | | 11 | 1.6 | <0.89 | *** | <0.67 | 77 | <0.42 | 46 | *** | <2.63 |
| | 07/03/07 | <2.0 | <1.8 | 21 | | 8.1 | 4.9 | <4.4 | *** | <13.1 | 79 | <2.1 | 61 | *** | <13.1 |
| A | 09/28/07 | <0.41 | 0.57 | 35 | | 17 | 8.9 | <0.89 | *** | <0.67 | 130 | 1.5 | 97 | *** | <2.63 |
| | 04/16/08 | <0.41 | <0.37 | 20.5 | | 15.3 | 3.7 | <0.89 | *** | <0.67 | 99.7 | 0.44 J | 62.4 | *** | <2.63 |
| | 09/22/08 | <4.1 | <13.0 | 28.2 | | 17.9 | <8.3 | <8.9 | *** | <6.7 | 134 | <4.2 | 89.4 | *** | <26.3 |
| | 04/03/09 | <0.41 | <1.3 | 21.8 | | 13.9 | 4.1 | <0.89 | *** | <0.67 | 107 | <0.42 | 62.2 | *** | <2.63 |
| | 09/01/09 | <1.0 | <3.2 | 51.2 | | 70.8 | 13.8 | 4.0 | *** | <1.7 | 356 | 1.4 J | 199 | *** | <6.6 |
| | 03/17/10 | <1.0 | <3.2 | 29.0 | | 23.6 | 7.8 | <2.2 | *** | <1.7 | 140 | <1.0 | 96.8 | *** | <6.6 |
| | 09/09/10 | <0.82 | <2.6 | 26.7 | | 29.1 | 6.1 | <1.8 | *** | <1.3 | 165 | <0.84 | 77 | *** | <5.3 |
| | 04/29/11 | <0.50 | <1.3 | 6.9 | | 5.5 | 1.1 | <0.89 | *** | <0.67 | 37.1 | <0.42 | 21.3 | *** | <2.63 |
| | 09/01/11 | <0.41 | <1.3 | 23.8 | | 26.0 | 6.3 | 1.2 | *** | <0.67 | 152 | 0.55 J | 75.9 | *** | <2.63 |
| | 03/14/12 | <0.41 | <1.3 | 17.1 | | 17.3 | 2.9 | <0.89 | *** | <0.67 | 106 | <0.42 | 42.3 | *** | <2.63 |
| | 09/12/12 | <2.0 | <6.5 | 50.8 | | 59.6 | 12.6 | <4.4 | *** | <3.4 | 320 | <2.1 | 148 | *** | <13.2 |
| | 04/30/13 | <.50 | <0.69 | 6.2 | | 5.8 | 0.94 | <0.37 | *** | <3.4 | 34.6 | <2.1 | 14 | *** | <1.32 |
| | 09/17/13 | <2.0 | <2.8 | 47.9 | | 74.6 | 16.3 | 4.2 | *** | <1.8 | 284 | <1.6 | 161 | *** | <5.3 |
| B | 04/22/14 | <0.50 | <2.5 | 26.7 | | 18.8 | 7.1 | 1.3 | *** | <0.50 | 103 | 0.50 J | 67.4 | *** | <1.5 |
| | 09/17/14 | <0.50 | <2.5 | 54.3 | | 38.8 | 14.2 | 2.4 | <0.50 | <0.50 | 231 | 0.89 J | 125 | <1.0 | <1.5 |
| | 04/14/15 | <0.50 | <2.5 | 16.6 | | 20.3 | 4.7 | 0.85 J | <0.50 | <0.50 | 97.5 | 0.32 J | 44.7 | <1.0 | <1.5 |
| | 09/14/15 | <0.50 | <2.5 | 38.0 | 0.47 J | 43.6 | 8.4 | 1.7 | *** | <0.50 | 218 | 0.68 J | 76.6 | *** | <1.5 |
| PZ-5 | 07/19/05 | <0.37 | <0.75 | <0.57 | | <0.83 | <0.89 | NA | NA | 1.7* | <0.42 | <0.48 | NA | NA | NA |
| | 09/21/05 | <0.37 | <0.75 | <0.57 | | <0.83 | <0.89 | NA | NA | <0.90 | <0.42 | <0.48 | NA | NA | NA |
| | 09/21/05 | <0.37 | <0.75 | <0.57 | | <0.83 | <0.89 | NA | NA | <0.90 | <0.42 | <0.48 | NA | NA | NA |
| PZ-6 | 07/19/05 | <0.37 | <0.75 | <0.57 | | <0.83 | <0.89 | NA | NA | <0.90 | <0.42 | <0.48 | NA | NA | NA |
| | 09/21/05 | <0.37 | <0.75 | <0.57 | | <0.83 | <0.89 | NA | NA | <0.90 | <0.42 | <0.48 | NA | NA | NA |
| | 09/21/05 | <0.37 | <0.75 | <0.57 | | <0.83 | <0.89 | NA | NA | <0.90 | <0.42 | <0.48 | NA | NA | NA |

TABLE 6
Historical Groundwater Analytic Test Results--Volatile Organic Compounds
N.W. Mauthe Superfund Site - Appleton, Wisconsin

| | Detected Volatile Organic Compounds ($\mu\text{g/L}$) | | | | | | | | | | | | | |
|-----------------|---|------------|--------------------|--------------------|--------------------|-------------------------|---------------------------|--------------|---------|-----------------------|-----------------------|-----------------|-------------------|---------------|
| | Benzene | Chloroform | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene | cis-1,2,-Dichloroethene | Trans-1,2,-Dichloroethene | Ortho-Xylene | Toluene | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Meta, para Xylene | Total Xylenes |
| 1992 US EPA MCL | 5.0 | 100 | - | | 7.0 | 70 | 100 | 10,000 | 1,000 | 200 | 5.0 | 5.0 | 10,000** | 10,000 |
| 1992 ES NR 140 | 5 | 6 | 850 | 5 | 7 | 100 | 100 | 620** | 343 | 200 | 0.6 | 5 | 620** | 620 |
| 1992 PAL NR 140 | 0.067 | 0.6 | 85 | 0.5 | 0.024 | 10 | 20 | 124** | 68.6 | 40 | 0.06 | 0.18 | 124** | 124 |

EXPLANATION:

Results prior to 10/27/98 for cis-1,2,-Dichloroethene and Trans-1,2 Dichloroethene were listed as Total Dichloroethene and were placed in this table under the heading cis-1,2,-Dichloroethene.

Results prior to 10/27/98 for Ortho Xylene and Meta, para Xylene were listed as Total Xylenes and were placed in this table under the heading Meta, para Xylene.

* = Analyte detected between limit of detection and limit of quantitation.

J = Estimated Concentration above the adjusted method detection limit and below the adjusted reporting limit.

** = Standard includes Ortho-, Meta, para-Xylenes

*** = As of 02/09/99 Xylene results are listed as "Total Xylenes".

WM Equipment Malfunction, no accurate measurement.

NOTE: The EPA Record of Decision establishes the 1992 PAL's as the clean-up goals for the site.

A = 1,2-Dichloroethane was detected at 0.87 ug/l.

B = Dichlorodifluoromethane detected at 0.17 ug/L and 1,2-Dichloroethane detected at 0.34 ug/L

ND = Not Detected

NA = Not Analyzed

MCL = Maximum Contaminant Levels

ug/l = Microgram/Liter

 = Indicates an exceedance of the 1992 NR 140 Groundwater Quality Enforcement Standards (ES)

 = Indicates an exceedance of the 1992 NR 140 Groundwater Quality Preventive Action Limits (PAL)

Appendix C

Laboratory Analytic Test Reports and Chain-of-Custody Record
Groundwater Sampling Field Sheets

September 21, 2015

Scott Hodgson
Terracon, Inc. - Franklin
9856 South 57th Street
Franklin, WI 53132

RE: Project: 58117057 NW MAUTHE SUPERFUND
Pace Project No.: 40121044

Dear Scott Hodgson:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 58117057 NW MAUTHE SUPERFUND
Pace Project No.: 40121044

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 40121044001 | MW103 | Water | 09/14/15 14:42 | 09/15/15 07:55 |
| 40121044002 | MW104 | Water | 09/14/15 13:49 | 09/15/15 07:55 |
| 40121044003 | MW107 | Water | 09/14/15 11:44 | 09/15/15 07:55 |
| 40121044004 | MW109 | Water | 09/14/15 12:43 | 09/15/15 07:55 |
| 40121044005 | MW110 | Water | 09/14/15 19:08 | 09/15/15 07:55 |
| 40121044006 | MW111 | Water | 09/14/15 16:03 | 09/15/15 07:55 |
| 40121044007 | MW112 | Water | 09/14/15 17:07 | 09/15/15 07:55 |
| 40121044008 | MW113 | Water | 09/14/15 18:18 | 09/15/15 07:55 |
| 40121044009 | DUPLICATE | Water | 09/14/15 00:00 | 09/15/15 07:55 |
| 40121044010 | TRIP | Water | 09/14/15 00:00 | 09/15/15 07:55 |

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SAMPLE ANALYTE COUNT

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|-----------------------|----------|-------------------|------------|
| 40121044001 | MW103 | EPA 6010 | DLB | 1 | PASI-G |
| 40121044002 | MW104 | EPA 6010 | DLB | 1 | PASI-G |
| 40121044003 | MW107 | EPA 6010 | DLB | 1 | PASI-G |
| | | EPA 8260 | LAP | 64 | PASI-G |
| 40121044004 | MW109 | EPA 6010 | DLB | 1 | PASI-G |
| | | EPA 8260 | LAP | 64 | PASI-G |
| 40121044005 | MW110 | EPA 6010 | DLB | 1 | PASI-G |
| | | EPA 8260 | LAP | 64 | PASI-G |
| | | SM 3500-Cr B (Online) | DDY | 1 | PASI-G |
| | | EPA 335.4 | DAW | 1 | PASI-G |
| 40121044006 | MW111 | EPA 6010 | DLB | 1 | PASI-G |
| | | EPA 8260 | LAP | 64 | PASI-G |
| | | SM 3500-Cr B (Online) | DDY | 1 | PASI-G |
| 40121044007 | MW112 | EPA 6010 | DLB | 1 | PASI-G |
| | | EPA 8260 | LAP | 64 | PASI-G |
| | | SM 3500-Cr B (Online) | DDY | 1 | PASI-G |
| | | EPA 335.4 | DAW | 1 | PASI-G |
| 40121044008 | MW113 | EPA 6010 | DLB | 1 | PASI-G |
| | | EPA 8260 | LAP | 64 | PASI-G |
| | | SM 3500-Cr B (Online) | DDY | 1 | PASI-G |
| 40121044009 | DUPLICATE | EPA 6010 | DLB | 1 | PASI-G |
| | | EPA 8260 | LAP | 64 | PASI-G |
| 40121044010 | TRIP | EPA 8260 | LAP | 64 | PASI-G |

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SUMMARY OF DETECTION

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Lab Sample ID | Client Sample ID | | | | | |
|-----------------------|--------------------------|--------|-------|--------------|----------------|------------|
| Method | Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
| 40121044001 | MW103 | | | | | |
| EPA 6010 | Chromium, Dissolved | 6.9 | ug/L | 5.0 | 09/16/15 17:15 | |
| 40121044002 | MW104 | | | | | |
| EPA 6010 | Chromium, Dissolved | 5.0 | ug/L | 5.0 | 09/16/15 17:17 | |
| 40121044003 | MW107 | | | | | |
| EPA 6010 | Chromium, Dissolved | 1600 | ug/L | 5.0 | 09/16/15 17:19 | |
| EPA 8260 | 1,1-Dichloroethane | 25.5 | ug/L | 5.0 | 09/17/15 13:55 | |
| EPA 8260 | 1,1-Dichloroethene | 19.1 | ug/L | 5.0 | 09/17/15 13:55 | |
| EPA 8260 | cis-1,2-Dichloroethene | 2.1J | ug/L | 5.0 | 09/17/15 13:55 | |
| EPA 8260 | 1,1,1-Trichloroethane | 176 | ug/L | 5.0 | 09/17/15 13:55 | |
| EPA 8260 | Trichloroethene | 470 | ug/L | 5.0 | 09/17/15 13:55 | |
| 40121044004 | MW109 | | | | | |
| EPA 6010 | Chromium, Dissolved | 889 | ug/L | 5.0 | 09/16/15 17:22 | |
| EPA 8260 | 1,1-Dichloroethane | 1.4 | ug/L | 1.0 | 09/17/15 10:11 | |
| EPA 8260 | 1,1-Dichloroethene | 1.1 | ug/L | 1.0 | 09/17/15 10:11 | |
| EPA 8260 | 1,1,1-Trichloroethane | 24.1 | ug/L | 1.0 | 09/17/15 10:11 | |
| EPA 8260 | Trichloroethene | 38.3 | ug/L | 1.0 | 09/17/15 10:11 | |
| 40121044005 | MW110 | | | | | |
| EPA 6010 | Chromium, Dissolved | 849 | ug/L | 5.0 | 09/16/15 17:29 | |
| EPA 8260 | 1,1-Dichloroethane | 23.1 | ug/L | 1.0 | 09/17/15 10:34 | |
| EPA 8260 | 1,2-Dichloroethane | 0.34J | ug/L | 1.0 | 09/17/15 10:34 | |
| EPA 8260 | 1,1-Dichloroethene | 17.4 | ug/L | 1.0 | 09/17/15 10:34 | |
| EPA 8260 | cis-1,2-Dichloroethene | 8.7 | ug/L | 1.0 | 09/17/15 10:34 | |
| EPA 8260 | trans-1,2-Dichloroethene | 1.4 | ug/L | 1.0 | 09/17/15 10:34 | |
| EPA 8260 | 1,1,1-Trichloroethane | 92.9 | ug/L | 1.0 | 09/17/15 10:34 | |
| EPA 8260 | 1,1,2-Trichloroethane | 0.38J | ug/L | 1.0 | 09/17/15 10:34 | |
| EPA 8260 | Trichloroethene | 19.1 | ug/L | 1.0 | 09/17/15 10:34 | |
| SM 3500-Cr B (Online) | Chromium, Hexavalent | 0.86 | mg/L | 0.10 | 09/15/15 11:45 | |
| 40121044006 | MW111 | | | | | |
| EPA 6010 | Chromium, Dissolved | 582 | ug/L | 5.0 | 09/16/15 17:31 | |
| EPA 8260 | 1,1-Dichloroethane | 2.3 | ug/L | 1.0 | 09/17/15 10:56 | |
| EPA 8260 | 1,1-Dichloroethene | 3.9 | ug/L | 1.0 | 09/17/15 10:56 | |
| EPA 8260 | 1,1,1-Trichloroethane | 32.1 | ug/L | 1.0 | 09/17/15 10:56 | |
| EPA 8260 | Trichloroethene | 103 | ug/L | 1.0 | 09/17/15 10:56 | |
| SM 3500-Cr B (Online) | Chromium, Hexavalent | 0.66 | mg/L | 0.20 | 09/15/15 11:45 | |
| 40121044007 | MW112 | | | | | |
| EPA 6010 | Chromium, Dissolved | 13600 | ug/L | 5.0 | 09/16/15 17:34 | |
| EPA 8260 | 1,1-Dichloroethane | 1.6 | ug/L | 1.0 | 09/17/15 11:18 | |
| EPA 8260 | cis-1,2-Dichloroethene | 0.61J | ug/L | 1.0 | 09/17/15 11:18 | |
| EPA 8260 | 1,1,1-Trichloroethane | 2.5 | ug/L | 1.0 | 09/17/15 11:18 | |
| EPA 8260 | Trichloroethene | 294 | ug/L | 1.0 | 09/17/15 11:18 | |
| SM 3500-Cr B (Online) | Chromium, Hexavalent | 16.0 | mg/L | 1.0 | 09/15/15 11:45 | |
| EPA 335.4 | Cyanide | 0.021 | mg/L | 0.020 | 09/15/15 13:29 | |

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Lab Sample ID | Client Sample ID | | | | | |
|-----------------------|--------------------------|--------|-------|--------------|----------------|------------|
| Method | Parameters | Result | Units | Report Limit | Analyzed | Qualifiers |
| 40121044008 | MW113 | | | | | |
| EPA 6010 | Chromium, Dissolved | 6560 | ug/L | 5.0 | 09/16/15 17:36 | |
| EPA 8260 | 1,1-Dichloroethane | 38.0 | ug/L | 1.0 | 09/17/15 11:41 | |
| EPA 8260 | 1,2-Dichloroethane | 0.47J | ug/L | 1.0 | 09/17/15 11:41 | |
| EPA 8260 | 1,1-Dichloroethene | 43.6 | ug/L | 1.0 | 09/17/15 11:41 | |
| EPA 8260 | cis-1,2-Dichloroethene | 8.4 | ug/L | 1.0 | 09/17/15 11:41 | |
| EPA 8260 | trans-1,2-Dichloroethene | 1.7 | ug/L | 1.0 | 09/17/15 11:41 | |
| EPA 8260 | 1,1,1-Trichloroethane | 218 | ug/L | 1.0 | 09/17/15 11:41 | |
| EPA 8260 | 1,1,2-Trichloroethane | 0.68J | ug/L | 1.0 | 09/17/15 11:41 | |
| EPA 8260 | Trichloroethene | 76.6 | ug/L | 1.0 | 09/17/15 11:41 | |
| SM 3500-Cr B (Online) | Chromium, Hexavalent | 7.4 | mg/L | 1.0 | 09/15/15 11:45 | |
| 40121044009 | DUPLICATE | | | | | |
| EPA 6010 | Chromium, Dissolved | 1100 | ug/L | 5.0 | 09/16/15 17:39 | |
| EPA 8260 | 1,1-Dichloroethane | 1.3 | ug/L | 1.0 | 09/17/15 12:03 | |
| EPA 8260 | 1,1-Dichloroethene | 1.1 | ug/L | 1.0 | 09/17/15 12:03 | |
| EPA 8260 | 1,1,1-Trichloroethane | 20.9 | ug/L | 1.0 | 09/17/15 12:03 | |
| EPA 8260 | Trichloroethene | 31.1 | ug/L | 1.0 | 09/17/15 12:03 | |

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 NW MAUTHE SUPERFUND
Pace Project No.: 40121044

Method: EPA 6010
Description: 6010 MET ICP, Dissolved
Client: Terracon, Inc. - Franklin
Date: September 21, 2015

General Information:

9 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

Method: **EPA 8260**

Description: 8260 MSV

Client: Terracon, Inc. - Franklin

Date: September 21, 2015

General Information:

8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 NW MAUTHE SUPERFUND
Pace Project No.: 40121044

Method: **SM 3500-Cr B (Online)**

Description: Chromium, Hexavalent

Client: Terracon, Inc. - Franklin

Date: September 21, 2015

General Information:

4 samples were analyzed for SM 3500-Cr B (Online). All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 58117057 NW MAUTHE SUPERFUND
Pace Project No.: 40121044

Method: **EPA 335.4**

Description: 335.4 Cyanide, Total

Client: Terracon, Inc. - Franklin

Date: September 21, 2015

General Information:

2 samples were analyzed for EPA 335.4. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 335.4 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Sample: MW103 | Lab ID: 40121044001 | Collected: 09/14/15 14:42 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|--------------------------------|-----------------------------|---------------------------|--------------------------|---------------|----|----------|----------------|-----------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 6.9 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:15 | 7440-47-3 | |
| Sample: MW104 | Lab ID: 40121044002 | Collected: 09/14/15 13:49 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 5.0 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:17 | 7440-47-3 | |
| Sample: MW107 | Lab ID: 40121044003 | Collected: 09/14/15 11:44 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 1600 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:19 | 7440-47-3 | |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 71-43-2 | |
| Bromobenzene | <1.2 | ug/L | 5.0 | 1.2 | 5 | | 09/17/15 13:55 | 108-86-1 | |
| Bromochloromethane | <1.7 | ug/L | 5.0 | 1.7 | 5 | | 09/17/15 13:55 | 74-97-5 | |
| Bromodichloromethane | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 75-27-4 | |
| Bromoform | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 75-25-2 | |
| Bromomethane | <12.2 | ug/L | 25.0 | 12.2 | 5 | | 09/17/15 13:55 | 74-83-9 | |
| n-Butylbenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 104-51-8 | |
| sec-Butylbenzene | <10.9 | ug/L | 25.0 | 10.9 | 5 | | 09/17/15 13:55 | 135-98-8 | |
| tert-Butylbenzene | <0.90 | ug/L | 5.0 | 0.90 | 5 | | 09/17/15 13:55 | 98-06-6 | |
| Carbon tetrachloride | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 56-23-5 | |
| Chlorobenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 108-90-7 | |
| Chloroethane | <1.9 | ug/L | 5.0 | 1.9 | 5 | | 09/17/15 13:55 | 75-00-3 | |
| Chloroform | <12.5 | ug/L | 25.0 | 12.5 | 5 | | 09/17/15 13:55 | 67-66-3 | |
| Chloromethane | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 74-87-3 | |
| 2-Chlorotoluene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 95-49-8 | |
| 4-Chlorotoluene | <1.1 | ug/L | 5.0 | 1.1 | 5 | | 09/17/15 13:55 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <10.8 | ug/L | 25.0 | 10.8 | 5 | | 09/17/15 13:55 | 96-12-8 | |
| Dibromochloromethane | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.89 | ug/L | 5.0 | 0.89 | 5 | | 09/17/15 13:55 | 106-93-4 | |
| Dibromomethane | <2.1 | ug/L | 5.0 | 2.1 | 5 | | 09/17/15 13:55 | 74-95-3 | |
| 1,2-Dichlorobenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 95-50-1 | |
| 1,3-Dichlorobenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 541-73-1 | |
| 1,4-Dichlorobenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 106-46-7 | |
| Dichlorodifluoromethane | <1.1 | ug/L | 5.0 | 1.1 | 5 | | 09/17/15 13:55 | 75-71-8 | |
| 1,1-Dichloroethane | 25.5 | ug/L | 5.0 | 1.2 | 5 | | 09/17/15 13:55 | 75-34-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

Sample: MW107 **Lab ID: 40121044003** Collected: 09/14/15 11:44 Received: 09/15/15 07:55 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|-----------------------------|-------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| 1,2-Dichloroethane | <0.84 | ug/L | 5.0 | 0.84 | 5 | | 09/17/15 13:55 | 107-06-2 | |
| 1,1-Dichloroethene | 19.1 | ug/L | 5.0 | 2.1 | 5 | | 09/17/15 13:55 | 75-35-4 | |
| cis-1,2-Dichloroethene | 2.1J | ug/L | 5.0 | 1.3 | 5 | | 09/17/15 13:55 | 156-59-2 | |
| trans-1,2-Dichloroethene | <1.3 | ug/L | 5.0 | 1.3 | 5 | | 09/17/15 13:55 | 156-60-5 | |
| 1,2-Dichloropropane | <1.2 | ug/L | 5.0 | 1.2 | 5 | | 09/17/15 13:55 | 78-87-5 | |
| 1,3-Dichloropropane | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 142-28-9 | |
| 2,2-Dichloropropane | <2.4 | ug/L | 5.0 | 2.4 | 5 | | 09/17/15 13:55 | 594-20-7 | |
| 1,1-Dichloropropene | <2.2 | ug/L | 5.0 | 2.2 | 5 | | 09/17/15 13:55 | 563-58-6 | |
| cis-1,3-Dichloropropene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <1.1 | ug/L | 5.0 | 1.1 | 5 | | 09/17/15 13:55 | 10061-02-6 | |
| Diisopropyl ether | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 108-20-3 | |
| Ethylbenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <10.5 | ug/L | 25.0 | 10.5 | 5 | | 09/17/15 13:55 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.72 | ug/L | 5.0 | 0.72 | 5 | | 09/17/15 13:55 | 98-82-8 | |
| p-Isopropyltoluene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 99-87-6 | |
| Methylene Chloride | <1.2 | ug/L | 5.0 | 1.2 | 5 | | 09/17/15 13:55 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.87 | ug/L | 5.0 | 0.87 | 5 | | 09/17/15 13:55 | 1634-04-4 | |
| Naphthalene | <12.5 | ug/L | 25.0 | 12.5 | 5 | | 09/17/15 13:55 | 91-20-3 | |
| n-Propylbenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 103-65-1 | |
| Styrene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.90 | ug/L | 5.0 | 0.90 | 5 | | 09/17/15 13:55 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <1.2 | ug/L | 5.0 | 1.2 | 5 | | 09/17/15 13:55 | 79-34-5 | |
| Tetrachloroethene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 127-18-4 | |
| Toluene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <10.7 | ug/L | 25.0 | 10.7 | 5 | | 09/17/15 13:55 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <11.0 | ug/L | 25.0 | 11.0 | 5 | | 09/17/15 13:55 | 120-82-1 | |
| 1,1,1-Trichloroethane | 176 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.99 | ug/L | 5.0 | 0.99 | 5 | | 09/17/15 13:55 | 79-00-5 | |
| Trichloroethene | 470 | ug/L | 5.0 | 1.7 | 5 | | 09/17/15 13:55 | 79-01-6 | |
| Trichlorofluoromethane | <0.92 | ug/L | 5.0 | 0.92 | 5 | | 09/17/15 13:55 | 75-69-4 | |
| 1,2,3-Trichloropropane | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 108-67-8 | |
| Vinyl chloride | <0.88 | ug/L | 5.0 | 0.88 | 5 | | 09/17/15 13:55 | 75-01-4 | |
| m&p-Xylene | <5.0 | ug/L | 10.0 | 5.0 | 5 | | 09/17/15 13:55 | 179601-23-1 | |
| o-Xylene | <2.5 | ug/L | 5.0 | 2.5 | 5 | | 09/17/15 13:55 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | % | 70-130 | | 5 | | 09/17/15 13:55 | 460-00-4 | |
| Dibromofluoromethane (S) | 103 | % | 70-130 | | 5 | | 09/17/15 13:55 | 1868-53-7 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 5 | | 09/17/15 13:55 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Sample: MW109 | Lab ID: 40121044004 | Collected: 09/14/15 12:43 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|--------------------------------|-----------------------------|---------------------------|--------------------------|---------------|----|----------|----------------|------------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 889 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:22 | 7440-47-3 | |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 71-43-2 | |
| Bromobenzene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:11 | 108-86-1 | |
| Bromochloromethane | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 09/17/15 10:11 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 75-25-2 | |
| Bromomethane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 09/17/15 10:11 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 104-51-8 | |
| sec-Butylbenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:11 | 135-98-8 | |
| tert-Butylbenzene | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:11 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 108-90-7 | |
| Chloroethane | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 09/17/15 10:11 | 75-00-3 | |
| Chloroform | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 10:11 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 95-49-8 | |
| 4-Chlorotoluene | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 09/17/15 10:11 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:11 | 96-12-8 | |
| Dibromochloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:11 | 106-93-4 | |
| Dibromomethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 09/17/15 10:11 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 106-46-7 | |
| Dichlorodifluoromethane | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 09/17/15 10:11 | 75-71-8 | |
| 1,1-Dichloroethane | 1.4 | ug/L | 1.0 | 0.24 | 1 | | 09/17/15 10:11 | 75-34-3 | |
| 1,2-Dichloroethane | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 10:11 | 107-06-2 | |
| 1,1-Dichloroethene | 1.1 | ug/L | 1.0 | 0.41 | 1 | | 09/17/15 10:11 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 10:11 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 10:11 | 156-60-5 | |
| 1,2-Dichloropropane | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:11 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 142-28-9 | |
| 2,2-Dichloropropane | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 09/17/15 10:11 | 594-20-7 | |
| 1,1-Dichloropropene | <0.44 | ug/L | 1.0 | 0.44 | 1 | | 09/17/15 10:11 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:11 | 10061-02-6 | |
| Diisopropyl ether | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 108-20-3 | |
| Ethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 10:11 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.14 | ug/L | 1.0 | 0.14 | 1 | | 09/17/15 10:11 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 99-87-6 | |
| Methylene Chloride | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:11 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 10:11 | 1634-04-4 | |
| Naphthalene | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 10:11 | 91-20-3 | |

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

Sample: MW109 **Lab ID: 40121044004** Collected: 09/14/15 12:43 Received: 09/15/15 07:55 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|---------------------------|-----------------------------|-------|--------|------|----|----------|----------------|-------------|------|
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| n-Propylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:11 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 09/17/15 10:11 | 79-34-5 | |
| Tetrachloroethylene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 10:11 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:11 | 120-82-1 | |
| 1,1,1-Trichloroethane | 24.1 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.20 | ug/L | 1.0 | 0.20 | 1 | | 09/17/15 10:11 | 79-00-5 | |
| Trichloroethylene | 38.3 | ug/L | 1.0 | 0.33 | 1 | | 09/17/15 10:11 | 79-01-6 | |
| Trichlorofluoromethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:11 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 108-67-8 | |
| Vinyl chloride | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:11 | 75-01-4 | |
| m&p-Xylene | <1.0 | ug/L | 2.0 | 1.0 | 1 | | 09/17/15 10:11 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:11 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 70-130 | | 1 | | 09/17/15 10:11 | 460-00-4 | |
| Dibromofluoromethane (S) | 112 | % | 70-130 | | 1 | | 09/17/15 10:11 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 09/17/15 10:11 | 2037-26-5 | |

Sample: MW110 **Lab ID: 40121044005** Collected: 09/14/15 19:08 Received: 09/15/15 07:55 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|-----------------------------|-------|-----|------|----|----------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 849 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:29 | 7440-47-3 | |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 71-43-2 | |
| Bromobenzene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:34 | 108-86-1 | |
| Bromochloromethane | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 09/17/15 10:34 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 75-25-2 | |
| Bromomethane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 09/17/15 10:34 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 104-51-8 | |
| sec-Butylbenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:34 | 135-98-8 | |
| tert-Butylbenzene | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:34 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 108-90-7 | |
| Chloroethane | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 09/17/15 10:34 | 75-00-3 | |
| Chloroform | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 10:34 | 67-66-3 | |

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Sample: MW110 | Lab ID: 40121044005 | Collected: 09/14/15 19:08 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|-----------------------------|-----------------------------|---------------------------|--------------------------|---------------|----|----------|----------------|------------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Chloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 95-49-8 | |
| 4-Chlorotoluene | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 09/17/15 10:34 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:34 | 96-12-8 | |
| Dibromochloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:34 | 106-93-4 | |
| Dibromomethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 09/17/15 10:34 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 106-46-7 | |
| Dichlorodifluoromethane | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 09/17/15 10:34 | 75-71-8 | |
| 1,1-Dichloroethane | 23.1 | ug/L | 1.0 | 0.24 | 1 | | 09/17/15 10:34 | 75-34-3 | |
| 1,2-Dichloroethane | 0.34J | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 10:34 | 107-06-2 | |
| 1,1-Dichloroethene | 17.4 | ug/L | 1.0 | 0.41 | 1 | | 09/17/15 10:34 | 75-35-4 | |
| cis-1,2-Dichloroethene | 8.7 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 10:34 | 156-59-2 | |
| trans-1,2-Dichloroethene | 1.4 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 10:34 | 156-60-5 | |
| 1,2-Dichloropropane | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:34 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 142-28-9 | |
| 2,2-Dichloropropane | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 09/17/15 10:34 | 594-20-7 | |
| 1,1-Dichloropropene | <0.44 | ug/L | 1.0 | 0.44 | 1 | | 09/17/15 10:34 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:34 | 10061-02-6 | |
| Diisopropyl ether | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 108-20-3 | |
| Ethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 10:34 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.14 | ug/L | 1.0 | 0.14 | 1 | | 09/17/15 10:34 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 99-87-6 | |
| Methylene Chloride | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:34 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 10:34 | 1634-04-4 | |
| Naphthalene | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 10:34 | 91-20-3 | |
| n-Propylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:34 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 09/17/15 10:34 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 10:34 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:34 | 120-82-1 | |
| 1,1,1-Trichloroethane | 92.9 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 71-55-6 | |
| 1,1,2-Trichloroethane | 0.38J | ug/L | 1.0 | 0.20 | 1 | | 09/17/15 10:34 | 79-00-5 | |
| Trichloroethene | 19.1 | ug/L | 1.0 | 0.33 | 1 | | 09/17/15 10:34 | 79-01-6 | |
| Trichlorofluoromethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:34 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 108-67-8 | |
| Vinyl chloride | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:34 | 75-01-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Sample: MW110 | Lab ID: 40121044005 | Collected: 09/14/15 19:08 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|--------------------------------|--|---------------------------|--------------------------|---------------|----|----------------|----------------|-------------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| m&p-Xylene | <1.0 | ug/L | 2.0 | 1.0 | 1 | | 09/17/15 10:34 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:34 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 1 | | 09/17/15 10:34 | 460-00-4 | |
| Dibromofluoromethane (S) | 110 | % | 70-130 | | 1 | | 09/17/15 10:34 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 09/17/15 10:34 | 2037-26-5 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B (Online) | | | | | | | | |
| Chromium, Hexavalent | 0.86 | mg/L | 0.10 | 0.019 | 5 | | 09/15/15 11:45 | 18540-29-9 | |
| 335.4 Cyanide, Total | Analytical Method: EPA 335.4 Preparation Method: EPA 335.4 | | | | | | | | |
| Cyanide | <0.010 | mg/L | 0.020 | 0.010 | 1 | 09/15/15 11:20 | 09/15/15 13:29 | 57-12-5 | |
| Sample: MW111 | Lab ID: 40121044006 | Collected: 09/14/15 16:03 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 582 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:31 | 7440-47-3 | |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 71-43-2 | |
| Bromobenzene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:56 | 108-86-1 | |
| Bromochloromethane | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 09/17/15 10:56 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 75-25-2 | |
| Bromomethane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 09/17/15 10:56 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 104-51-8 | |
| sec-Butylbenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:56 | 135-98-8 | |
| tert-Butylbenzene | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:56 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 108-90-7 | |
| Chloroethane | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 09/17/15 10:56 | 75-00-3 | |
| Chloroform | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 10:56 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 95-49-8 | |
| 4-Chlorotoluene | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 09/17/15 10:56 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:56 | 96-12-8 | |
| Dibromochloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:56 | 106-93-4 | |
| Dibromomethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 09/17/15 10:56 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 106-46-7 | |

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

Sample: MW111 **Lab ID: 40121044006** Collected: 09/14/15 16:03 Received: 09/15/15 07:55 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|--|-------|--------|-------|----|----------|----------------|-------------|------|
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Dichlorodifluoromethane | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 09/17/15 10:56 | 75-71-8 | |
| 1,1-Dichloroethane | 2.3 | ug/L | 1.0 | 0.24 | 1 | | 09/17/15 10:56 | 75-34-3 | |
| 1,2-Dichloroethane | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 10:56 | 107-06-2 | |
| 1,1-Dichloroethene | 3.9 | ug/L | 1.0 | 0.41 | 1 | | 09/17/15 10:56 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 10:56 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 10:56 | 156-60-5 | |
| 1,2-Dichloropropane | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:56 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 142-28-9 | |
| 2,2-Dichloropropane | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 09/17/15 10:56 | 594-20-7 | |
| 1,1-Dichloropropene | <0.44 | ug/L | 1.0 | 0.44 | 1 | | 09/17/15 10:56 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:56 | 10061-02-6 | |
| Diisopropyl ether | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 108-20-3 | |
| Ethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 10:56 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.14 | ug/L | 1.0 | 0.14 | 1 | | 09/17/15 10:56 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 99-87-6 | |
| Methylene Chloride | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 10:56 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 10:56 | 1634-04-4 | |
| Naphthalene | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 10:56 | 91-20-3 | |
| n-Propylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:56 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 09/17/15 10:56 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 10:56 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 10:56 | 120-82-1 | |
| 1,1,1-Trichloroethane | 32.1 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.20 | ug/L | 1.0 | 0.20 | 1 | | 09/17/15 10:56 | 79-00-5 | |
| Trichloroethene | 103 | ug/L | 1.0 | 0.33 | 1 | | 09/17/15 10:56 | 79-01-6 | |
| Trichlorofluoromethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:56 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 108-67-8 | |
| Vinyl chloride | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 10:56 | 75-01-4 | |
| m&p-Xylene | <1.0 | ug/L | 2.0 | 1.0 | 1 | | 09/17/15 10:56 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 10:56 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 70-130 | | 1 | | 09/17/15 10:56 | 460-00-4 | |
| Dibromofluoromethane (S) | 114 | % | 70-130 | | 1 | | 09/17/15 10:56 | 1868-53-7 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 09/17/15 10:56 | 2037-26-5 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B (Online) | | | | | | | | |
| Chromium, Hexavalent | 0.66 | mg/L | 0.20 | 0.039 | 10 | | 09/15/15 11:45 | 18540-29-9 | |

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Sample: MW112 | Lab ID: 40121044007 | Collected: 09/14/15 17:07 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|--------------------------------|-----------------------------|---------------------------|--------------------------|---------------|----|----------|----------------|------------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 13600 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:34 | 7440-47-3 | |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 71-43-2 | |
| Bromobenzene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 11:18 | 108-86-1 | |
| Bromochloromethane | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 09/17/15 11:18 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 75-25-2 | |
| Bromomethane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 09/17/15 11:18 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 104-51-8 | |
| sec-Butylbenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 11:18 | 135-98-8 | |
| tert-Butylbenzene | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:18 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 108-90-7 | |
| Chloroethane | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 09/17/15 11:18 | 75-00-3 | |
| Chloroform | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 11:18 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 95-49-8 | |
| 4-Chlorotoluene | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 09/17/15 11:18 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 11:18 | 96-12-8 | |
| Dibromochloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:18 | 106-93-4 | |
| Dibromomethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 09/17/15 11:18 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 106-46-7 | |
| Dichlorodifluoromethane | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 09/17/15 11:18 | 75-71-8 | |
| 1,1-Dichloroethane | 1.6 | ug/L | 1.0 | 0.24 | 1 | | 09/17/15 11:18 | 75-34-3 | |
| 1,2-Dichloroethane | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 11:18 | 107-06-2 | |
| 1,1-Dichloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 09/17/15 11:18 | 75-35-4 | |
| cis-1,2-Dichloroethene | 0.61J | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 11:18 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 11:18 | 156-60-5 | |
| 1,2-Dichloropropane | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 11:18 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 142-28-9 | |
| 2,2-Dichloropropane | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 09/17/15 11:18 | 594-20-7 | |
| 1,1-Dichloropropene | <0.44 | ug/L | 1.0 | 0.44 | 1 | | 09/17/15 11:18 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 11:18 | 10061-02-6 | |
| Diisopropyl ether | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 108-20-3 | |
| Ethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 11:18 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.14 | ug/L | 1.0 | 0.14 | 1 | | 09/17/15 11:18 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 99-87-6 | |
| Methylene Chloride | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 11:18 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 11:18 | 1634-04-4 | |
| Naphthalene | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 11:18 | 91-20-3 | |

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

Sample: MW112 **Lab ID: 40121044007** Collected: 09/14/15 17:07 Received: 09/15/15 07:55 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|--|-------|--------|-------|----|----------------|----------------|-------------|------|
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| n-Propylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:18 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 09/17/15 11:18 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 11:18 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 11:18 | 120-82-1 | |
| 1,1,1-Trichloroethane | 2.5 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.20 | ug/L | 1.0 | 0.20 | 1 | | 09/17/15 11:18 | 79-00-5 | |
| Trichloroethene | 294 | ug/L | 1.0 | 0.33 | 1 | | 09/17/15 11:18 | 79-01-6 | |
| Trichlorofluoromethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:18 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 108-67-8 | |
| Vinyl chloride | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:18 | 75-01-4 | |
| m&p-Xylene | <1.0 | ug/L | 2.0 | 1.0 | 1 | | 09/17/15 11:18 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:18 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 1 | | 09/17/15 11:18 | 460-00-4 | |
| Dibromofluoromethane (S) | 113 | % | 70-130 | | 1 | | 09/17/15 11:18 | 1868-53-7 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 09/17/15 11:18 | 2037-26-5 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B (Online) | | | | | | | | |
| Chromium, Hexavalent | 16.0 | mg/L | 1.0 | 0.19 | 50 | | 09/15/15 11:45 | 18540-29-9 | |
| 335.4 Cyanide, Total | Analytical Method: EPA 335.4 Preparation Method: EPA 335.4 | | | | | | | | |
| Cyanide | 0.021 | mg/L | 0.020 | 0.010 | 1 | 09/15/15 11:20 | 09/15/15 13:29 | 57-12-5 | |

Sample: MW113 **Lab ID: 40121044008** Collected: 09/14/15 18:18 Received: 09/15/15 07:55 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|-----------------------------|-------|-----|------|----|----------|----------------|-----------|------|
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 6560 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:36 | 7440-47-3 | |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 71-43-2 | |
| Bromobenzene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 11:41 | 108-86-1 | |
| Bromochloromethane | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 09/17/15 11:41 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 75-25-2 | |
| Bromomethane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 09/17/15 11:41 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 104-51-8 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

Sample: MW113 Lab ID: 40121044008 Collected: 09/14/15 18:18 Received: 09/15/15 07:55 Matrix: Water

| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
|-----------------------------|-----------------------------|-------|-----|------|----|----------|----------------|------------|------|
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| sec-Butylbenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 11:41 | 135-98-8 | |
| tert-Butylbenzene | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:41 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 108-90-7 | |
| Chloroethane | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 09/17/15 11:41 | 75-00-3 | |
| Chloroform | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 11:41 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 95-49-8 | |
| 4-Chlorotoluene | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 09/17/15 11:41 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 11:41 | 96-12-8 | |
| Dibromochloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:41 | 106-93-4 | |
| Dibromomethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 09/17/15 11:41 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 106-46-7 | |
| Dichlorodifluoromethane | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 09/17/15 11:41 | 75-71-8 | |
| 1,1-Dichloroethane | 38.0 | ug/L | 1.0 | 0.24 | 1 | | 09/17/15 11:41 | 75-34-3 | |
| 1,2-Dichloroethane | 0.47J | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 11:41 | 107-06-2 | |
| 1,1-Dichloroethene | 43.6 | ug/L | 1.0 | 0.41 | 1 | | 09/17/15 11:41 | 75-35-4 | |
| cis-1,2-Dichloroethene | 8.4 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 11:41 | 156-59-2 | |
| trans-1,2-Dichloroethene | 1.7 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 11:41 | 156-60-5 | |
| 1,2-Dichloropropane | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 11:41 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 142-28-9 | |
| 2,2-Dichloropropane | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 09/17/15 11:41 | 594-20-7 | |
| 1,1-Dichloropropene | <0.44 | ug/L | 1.0 | 0.44 | 1 | | 09/17/15 11:41 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 11:41 | 10061-02-6 | |
| Diisopropyl ether | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 108-20-3 | |
| Ethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 11:41 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.14 | ug/L | 1.0 | 0.14 | 1 | | 09/17/15 11:41 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 99-87-6 | |
| Methylene Chloride | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 11:41 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 11:41 | 1634-04-4 | |
| Naphthalene | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 11:41 | 91-20-3 | |
| n-Propylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:41 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 09/17/15 11:41 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 11:41 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 11:41 | 120-82-1 | |
| 1,1,1-Trichloroethane | 218 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 71-55-6 | |
| 1,1,2-Trichloroethane | 0.68J | ug/L | 1.0 | 0.20 | 1 | | 09/17/15 11:41 | 79-00-5 | |

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Sample: MW113 | Lab ID: 40121044008 | Collected: 09/14/15 18:18 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|--------------------------------|--|---------------------------|--------------------------|---------------|----|----------|----------------|-------------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Trichloroethene | 76.6 | ug/L | 1.0 | 0.33 | 1 | | 09/17/15 11:41 | 79-01-6 | |
| Trichlorofluoromethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:41 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 108-67-8 | |
| Vinyl chloride | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 11:41 | 75-01-4 | |
| m&p-Xylene | <1.0 | ug/L | 2.0 | 1.0 | 1 | | 09/17/15 11:41 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 11:41 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 93 | % | 70-130 | | 1 | | 09/17/15 11:41 | 460-00-4 | |
| Dibromofluoromethane (S) | 108 | % | 70-130 | | 1 | | 09/17/15 11:41 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 09/17/15 11:41 | 2037-26-5 | |
| Chromium, Hexavalent | Analytical Method: SM 3500-Cr B (Online) | | | | | | | | |
| Chromium, Hexavalent | 7.4 | mg/L | 1.0 | 0.19 | 50 | | 09/15/15 11:45 | 18540-29-9 | |
| Sample: DUPLICATE | Lab ID: 40121044009 | Collected: 09/14/15 00:00 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010 MET ICP, Dissolved | Analytical Method: EPA 6010 | | | | | | | | |
| Chromium, Dissolved | 1100 | ug/L | 5.0 | 2.1 | 1 | | 09/16/15 17:39 | 7440-47-3 | |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 71-43-2 | |
| Bromobenzene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 12:03 | 108-86-1 | |
| Bromochloromethane | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 09/17/15 12:03 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 75-25-2 | |
| Bromomethane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 09/17/15 12:03 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 104-51-8 | |
| sec-Butylbenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 12:03 | 135-98-8 | |
| tert-Butylbenzene | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 12:03 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 108-90-7 | |
| Chloroethane | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 09/17/15 12:03 | 75-00-3 | |
| Chloroform | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 12:03 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 95-49-8 | |
| 4-Chlorotoluene | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 09/17/15 12:03 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 12:03 | 96-12-8 | |
| Dibromochloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 12:03 | 106-93-4 | |
| Dibromomethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 09/17/15 12:03 | 74-95-3 | |

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Sample: DUPLICATE | Lab ID: 40121044009 | Collected: 09/14/15 00:00 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|---------------------------|-----------------------------|---------------------------|--------------------------|---------------|----|----------|----------------|-------------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 106-46-7 | |
| Dichlorodifluoromethane | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 09/17/15 12:03 | 75-71-8 | |
| 1,1-Dichloroethane | 1.3 | ug/L | 1.0 | 0.24 | 1 | | 09/17/15 12:03 | 75-34-3 | |
| 1,2-Dichloroethane | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 12:03 | 107-06-2 | |
| 1,1-Dichloroethene | 1.1 | ug/L | 1.0 | 0.41 | 1 | | 09/17/15 12:03 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 12:03 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 12:03 | 156-60-5 | |
| 1,2-Dichloropropane | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 12:03 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 142-28-9 | |
| 2,2-Dichloropropane | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 09/17/15 12:03 | 594-20-7 | |
| 1,1-Dichloropropene | <0.44 | ug/L | 1.0 | 0.44 | 1 | | 09/17/15 12:03 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 12:03 | 10061-02-6 | |
| Diisopropyl ether | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 108-20-3 | |
| Ethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 12:03 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.14 | ug/L | 1.0 | 0.14 | 1 | | 09/17/15 12:03 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 99-87-6 | |
| Methylene Chloride | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 12:03 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 12:03 | 1634-04-4 | |
| Naphthalene | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 12:03 | 91-20-3 | |
| n-Propylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 12:03 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 09/17/15 12:03 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 12:03 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 12:03 | 120-82-1 | |
| 1,1,1-Trichloroethane | 20.9 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.20 | ug/L | 1.0 | 0.20 | 1 | | 09/17/15 12:03 | 79-00-5 | |
| Trichloroethene | 31.1 | ug/L | 1.0 | 0.33 | 1 | | 09/17/15 12:03 | 79-01-6 | |
| Trichlorofluoromethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 12:03 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 108-67-8 | |
| Vinyl chloride | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 12:03 | 75-01-4 | |
| m&p-Xylene | <1.0 | ug/L | 2.0 | 1.0 | 1 | | 09/17/15 12:03 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 12:03 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 70-130 | | 1 | | 09/17/15 12:03 | 460-00-4 | |
| Dibromofluoromethane (S) | 117 | % | 70-130 | | 1 | | 09/17/15 12:03 | 1868-53-7 | |
| Toluene-d8 (S) | 98 | % | 70-130 | | 1 | | 09/17/15 12:03 | 2037-26-5 | |

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Sample: TRIP | Lab ID: 40121044010 | Collected: 09/14/15 00:00 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|-----------------------------|-----------------------------|---------------------------|--------------------------|---------------|----|----------|----------------|------------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| Benzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 71-43-2 | |
| Bromobenzene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 09:04 | 108-86-1 | |
| Bromochloromethane | <0.34 | ug/L | 1.0 | 0.34 | 1 | | 09/17/15 09:04 | 74-97-5 | |
| Bromodichloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 75-27-4 | |
| Bromoform | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 75-25-2 | |
| Bromomethane | <2.4 | ug/L | 5.0 | 2.4 | 1 | | 09/17/15 09:04 | 74-83-9 | |
| n-Butylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 104-51-8 | |
| sec-Butylbenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 09:04 | 135-98-8 | |
| tert-Butylbenzene | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 09:04 | 98-06-6 | |
| Carbon tetrachloride | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 56-23-5 | |
| Chlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 108-90-7 | |
| Chloroethane | <0.37 | ug/L | 1.0 | 0.37 | 1 | | 09/17/15 09:04 | 75-00-3 | |
| Chloroform | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 09:04 | 67-66-3 | |
| Chloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 74-87-3 | |
| 2-Chlorotoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 95-49-8 | |
| 4-Chlorotoluene | <0.21 | ug/L | 1.0 | 0.21 | 1 | | 09/17/15 09:04 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 09:04 | 96-12-8 | |
| Dibromochloromethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 09:04 | 106-93-4 | |
| Dibromomethane | <0.43 | ug/L | 1.0 | 0.43 | 1 | | 09/17/15 09:04 | 74-95-3 | |
| 1,2-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 95-50-1 | |
| 1,3-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 541-73-1 | |
| 1,4-Dichlorobenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 106-46-7 | |
| Dichlorodifluoromethane | <0.22 | ug/L | 1.0 | 0.22 | 1 | | 09/17/15 09:04 | 75-71-8 | |
| 1,1-Dichloroethane | <0.24 | ug/L | 1.0 | 0.24 | 1 | | 09/17/15 09:04 | 75-34-3 | |
| 1,2-Dichloroethane | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 09:04 | 107-06-2 | |
| 1,1-Dichloroethene | <0.41 | ug/L | 1.0 | 0.41 | 1 | | 09/17/15 09:04 | 75-35-4 | |
| cis-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 09:04 | 156-59-2 | |
| trans-1,2-Dichloroethene | <0.26 | ug/L | 1.0 | 0.26 | 1 | | 09/17/15 09:04 | 156-60-5 | |
| 1,2-Dichloropropane | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 09:04 | 78-87-5 | |
| 1,3-Dichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 142-28-9 | |
| 2,2-Dichloropropane | <0.48 | ug/L | 1.0 | 0.48 | 1 | | 09/17/15 09:04 | 594-20-7 | |
| 1,1-Dichloropropene | <0.44 | ug/L | 1.0 | 0.44 | 1 | | 09/17/15 09:04 | 563-58-6 | |
| cis-1,3-Dichloropropene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 10061-01-5 | |
| trans-1,3-Dichloropropene | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 09:04 | 10061-02-6 | |
| Diisopropyl ether | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 108-20-3 | |
| Ethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 100-41-4 | |
| Hexachloro-1,3-butadiene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 09:04 | 87-68-3 | |
| Isopropylbenzene (Cumene) | <0.14 | ug/L | 1.0 | 0.14 | 1 | | 09/17/15 09:04 | 98-82-8 | |
| p-Isopropyltoluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 99-87-6 | |
| Methylene Chloride | <0.23 | ug/L | 1.0 | 0.23 | 1 | | 09/17/15 09:04 | 75-09-2 | |
| Methyl-tert-butyl ether | <0.17 | ug/L | 1.0 | 0.17 | 1 | | 09/17/15 09:04 | 1634-04-4 | |
| Naphthalene | <2.5 | ug/L | 5.0 | 2.5 | 1 | | 09/17/15 09:04 | 91-20-3 | |
| n-Propylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 103-65-1 | |
| Styrene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 09:04 | 630-20-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 58117057 NW MAUTHE SUPERFUND
Pace Project No.: 40121044

| Sample: TRIP | Lab ID: 40121044010 | Collected: 09/14/15 00:00 | Received: 09/15/15 07:55 | Matrix: Water | | | | | |
|---------------------------|-----------------------------|---------------------------|--------------------------|---------------|----|----------|----------------|-------------|------|
| Parameters | Results | Units | LOQ | LOD | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 MSV | Analytical Method: EPA 8260 | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | <0.25 | ug/L | 1.0 | 0.25 | 1 | | 09/17/15 09:04 | 79-34-5 | |
| Tetrachloroethene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 127-18-4 | |
| Toluene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | <2.1 | ug/L | 5.0 | 2.1 | 1 | | 09/17/15 09:04 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | <2.2 | ug/L | 5.0 | 2.2 | 1 | | 09/17/15 09:04 | 120-82-1 | |
| 1,1,1-Trichloroethane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 71-55-6 | |
| 1,1,2-Trichloroethane | <0.20 | ug/L | 1.0 | 0.20 | 1 | | 09/17/15 09:04 | 79-00-5 | |
| Trichloroethene | <0.33 | ug/L | 1.0 | 0.33 | 1 | | 09/17/15 09:04 | 79-01-6 | |
| Trichlorofluoromethane | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 09:04 | 75-69-4 | |
| 1,2,3-Trichloropropane | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 96-18-4 | |
| 1,2,4-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 108-67-8 | |
| Vinyl chloride | <0.18 | ug/L | 1.0 | 0.18 | 1 | | 09/17/15 09:04 | 75-01-4 | |
| m&p-Xylene | <1.0 | ug/L | 2.0 | 1.0 | 1 | | 09/17/15 09:04 | 179601-23-1 | |
| o-Xylene | <0.50 | ug/L | 1.0 | 0.50 | 1 | | 09/17/15 09:04 | 95-47-6 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 95 | % | 70-130 | | 1 | | 09/17/15 09:04 | 460-00-4 | |
| Dibromofluoromethane (S) | 112 | % | 70-130 | | 1 | | 09/17/15 09:04 | 1868-53-7 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 09/17/15 09:04 | 2037-26-5 | |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

QC Batch: ICP/11156

Analysis Method: EPA 6010

QC Batch Method: EPA 6010

Analysis Description: ICP Metals, Trace, Dissolved

Associated Lab Samples: 40121044001, 40121044002, 40121044003, 40121044004, 40121044005, 40121044006, 40121044007,
40121044008, 40121044009

METHOD BLANK: 1221698

Matrix: Water

Associated Lab Samples: 40121044001, 40121044002, 40121044003, 40121044004, 40121044005, 40121044006, 40121044007,
40121044008, 40121044009

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------|-------|--------------|-----------------|----------------|------------|
| Chromium, Dissolved | ug/L | <2.1 | 5.0 | 09/16/15 16:48 | |

LABORATORY CONTROL SAMPLE: 1221699

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------|-------|-------------|------------|-----------|--------------|------------|
| Chromium, Dissolved | ug/L | 500 | 502 | 100 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1221700 1221701

| Parameter | Units | MS Result | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | Max RPD | Qual |
|---------------------|-------|-----------|-----------------|-----------|------------|----------|-----------|--------------|---------|---------|------|
| Chromium, Dissolved | ug/L | <2.1 | 500 | 500 | 492 | 489 | 98 | 97 | 75-125 | 1 | 20 |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

QC Batch: MSV/30146

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 40121044003, 40121044004, 40121044005, 40121044006, 40121044007, 40121044008, 40121044009,
40121044010

METHOD BLANK: 1221079

Matrix: Water

Associated Lab Samples: 40121044003, 40121044004, 40121044005, 40121044006, 40121044007, 40121044008, 40121044009,
40121044010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | <0.18 | 1.0 | 09/17/15 06:05 | |
| 1,1,1-Trichloroethane | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.25 | 1.0 | 09/17/15 06:05 | |
| 1,1,2-Trichloroethane | ug/L | <0.20 | 1.0 | 09/17/15 06:05 | |
| 1,1-Dichloroethane | ug/L | <0.24 | 1.0 | 09/17/15 06:05 | |
| 1,1-Dichloroethene | ug/L | <0.41 | 1.0 | 09/17/15 06:05 | |
| 1,1-Dichloropropene | ug/L | <0.44 | 1.0 | 09/17/15 06:05 | |
| 1,2,3-Trichlorobenzene | ug/L | <2.1 | 5.0 | 09/17/15 06:05 | |
| 1,2,3-Trichloropropane | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 1,2,4-Trichlorobenzene | ug/L | <2.2 | 5.0 | 09/17/15 06:05 | |
| 1,2,4-Trimethylbenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.2 | 5.0 | 09/17/15 06:05 | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.18 | 1.0 | 09/17/15 06:05 | |
| 1,2-Dichlorobenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 1,2-Dichloroethane | ug/L | <0.17 | 1.0 | 09/17/15 06:05 | |
| 1,2-Dichloropropane | ug/L | <0.23 | 1.0 | 09/17/15 06:05 | |
| 1,3,5-Trimethylbenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 1,3-Dichlorobenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 1,3-Dichloropropane | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 1,4-Dichlorobenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 2,2-Dichloropropane | ug/L | <0.48 | 1.0 | 09/17/15 06:05 | |
| 2-Chlorotoluene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| 4-Chlorotoluene | ug/L | <0.21 | 1.0 | 09/17/15 06:05 | |
| Benzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Bromobenzene | ug/L | <0.23 | 1.0 | 09/17/15 06:05 | |
| Bromochloromethane | ug/L | <0.34 | 1.0 | 09/17/15 06:05 | |
| Bromodichloromethane | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Bromoform | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Bromomethane | ug/L | <2.4 | 5.0 | 09/17/15 06:05 | |
| Carbon tetrachloride | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Chlorobenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Chloroethane | ug/L | <0.37 | 1.0 | 09/17/15 06:05 | |
| Chloroform | ug/L | <2.5 | 5.0 | 09/17/15 06:05 | |
| Chloromethane | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| cis-1,2-Dichloroethene | ug/L | <0.26 | 1.0 | 09/17/15 06:05 | |
| cis-1,3-Dichloropropene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Dibromochloromethane | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Dibromomethane | ug/L | <0.43 | 1.0 | 09/17/15 06:05 | |
| Dichlorodifluoromethane | ug/L | <0.22 | 1.0 | 09/17/15 06:05 | |
| Diisopropyl ether | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

METHOD BLANK: 1221079

Matrix: Water

Associated Lab Samples: 40121044003, 40121044004, 40121044005, 40121044006, 40121044007, 40121044008, 40121044009,
40121044010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| Ethylbenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Hexachloro-1,3-butadiene | ug/L | <2.1 | 5.0 | 09/17/15 06:05 | |
| Isopropylbenzene (Cumene) | ug/L | <0.14 | 1.0 | 09/17/15 06:05 | |
| m&p-Xylene | ug/L | <1.0 | 2.0 | 09/17/15 06:05 | |
| Methyl-tert-butyl ether | ug/L | <0.17 | 1.0 | 09/17/15 06:05 | |
| Methylene Chloride | ug/L | <0.23 | 1.0 | 09/17/15 06:05 | |
| n-Butylbenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| n-Propylbenzene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Naphthalene | ug/L | <2.5 | 5.0 | 09/17/15 06:05 | |
| o-Xylene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| p-Isopropyltoluene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| sec-Butylbenzene | ug/L | <2.2 | 5.0 | 09/17/15 06:05 | |
| Styrene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| tert-Butylbenzene | ug/L | <0.18 | 1.0 | 09/17/15 06:05 | |
| Tetrachloroethene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| Toluene | ug/L | <0.50 | 1.0 | 09/17/15 06:05 | |
| trans-1,2-Dichloroethene | ug/L | <0.26 | 1.0 | 09/17/15 06:05 | |
| trans-1,3-Dichloropropene | ug/L | <0.23 | 1.0 | 09/17/15 06:05 | |
| Trichloroethene | ug/L | <0.33 | 1.0 | 09/17/15 06:05 | |
| Trichlorofluoromethane | ug/L | <0.18 | 1.0 | 09/17/15 06:05 | |
| Vinyl chloride | ug/L | <0.18 | 1.0 | 09/17/15 06:05 | |
| 4-Bromofluorobenzene (S) | % | 96 | 70-130 | 09/17/15 06:05 | |
| Dibromofluoromethane (S) | % | 110 | 70-130 | 09/17/15 06:05 | |
| Toluene-d8 (S) | % | 98 | 70-130 | 09/17/15 06:05 | |

LABORATORY CONTROL SAMPLE: 1221080

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/L | 50 | 48.5 | 97 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 43.2 | 86 | 70-130 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 49.5 | 99 | 70-130 | |
| 1,1-Dichloroethane | ug/L | 50 | 46.9 | 94 | 70-130 | |
| 1,1-Dichloroethene | ug/L | 50 | 44.2 | 88 | 70-130 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 45.2 | 90 | 70-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 38.1 | 76 | 50-150 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 47.5 | 95 | 70-130 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 47.3 | 95 | 70-130 | |
| 1,2-Dichloroethane | ug/L | 50 | 51.0 | 102 | 70-131 | |
| 1,2-Dichloropropane | ug/L | 50 | 52.6 | 105 | 70-130 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 45.5 | 91 | 70-130 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 47.7 | 95 | 70-130 | |
| Benzene | ug/L | 50 | 45.4 | 91 | 70-130 | |
| Bromodichloromethane | ug/L | 50 | 55.3 | 111 | 70-130 | |

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QUALITY CONTROL DATA

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

LABORATORY CONTROL SAMPLE: 1221080

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Bromoform | ug/L | 50 | 46.3 | 93 | 68-130 | |
| Bromomethane | ug/L | 50 | 41.5 | 83 | 38-137 | |
| Carbon tetrachloride | ug/L | 50 | 55.1 | 110 | 70-130 | |
| Chlorobenzene | ug/L | 50 | 53.3 | 107 | 70-130 | |
| Chloroethane | ug/L | 50 | 42.5 | 85 | 70-136 | |
| Chloroform | ug/L | 50 | 48.3 | 97 | 70-130 | |
| Chloromethane | ug/L | 50 | 38.9 | 78 | 48-144 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 43.0 | 86 | 70-130 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 43.2 | 86 | 70-130 | |
| Dibromochloromethane | ug/L | 50 | 54.2 | 108 | 70-130 | |
| Dichlorodifluoromethane | ug/L | 50 | 55.7 | 111 | 33-157 | |
| Ethylbenzene | ug/L | 50 | 51.3 | 103 | 70-132 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 52.9 | 106 | 70-130 | |
| m&p-Xylene | ug/L | 100 | 107 | 107 | 70-131 | |
| Methyl-tert-butyl ether | ug/L | 50 | 35.4 | 71 | 48-141 | |
| Methylene Chloride | ug/L | 50 | 42.0 | 84 | 70-130 | |
| o-Xylene | ug/L | 50 | 51.0 | 102 | 70-131 | |
| Styrene | ug/L | 50 | 51.9 | 104 | 70-130 | |
| Tetrachloroethene | ug/L | 50 | 56.1 | 112 | 70-130 | |
| Toluene | ug/L | 50 | 52.8 | 106 | 70-130 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 46.6 | 93 | 70-130 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 43.3 | 87 | 70-130 | |
| Trichloroethene | ug/L | 50 | 52.3 | 105 | 70-130 | |
| Trichlorofluoromethane | ug/L | 50 | 53.5 | 107 | 50-150 | |
| Vinyl chloride | ug/L | 50 | 43.1 | 86 | 65-142 | |
| 4-Bromofluorobenzene (S) | % | | | 106 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 100 | 70-130 | |
| Toluene-d8 (S) | % | | | 101 | 70-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1221123 1221124

| Parameter | Units | MS | | MSD | | MS Result | MS % Rec | MSD Result | MSD % Rec | % Rec Limits | | Max | |
|-----------------------------|-------|--------------------|-------------|-------------|------|-----------|----------|------------|-----------|--------------|-----|------|--|
| | | 40121062006 Result | Spike Conc. | Spike Conc. | MS | | | | | RPD | RPD | Qual | |
| 1,1,1-Trichloroethane | ug/L | <0.50 | 50 | 50 | 51.1 | 49.9 | 102 | 100 | 70-130 | 2 | 20 | | |
| 1,1,2,2-Tetrachloroethane | ug/L | <0.25 | 50 | 50 | 45.1 | 44.4 | 90 | 89 | 70-130 | 1 | 20 | | |
| 1,1,2-Trichloroethane | ug/L | <0.20 | 50 | 50 | 50.8 | 50.0 | 102 | 100 | 70-130 | 1 | 20 | | |
| 1,1-Dichloroethane | ug/L | <0.24 | 50 | 50 | 48.4 | 48.0 | 97 | 96 | 70-134 | 1 | 20 | | |
| 1,1-Dichloroethene | ug/L | <0.41 | 50 | 50 | 46.0 | 44.3 | 92 | 89 | 70-139 | 4 | 20 | | |
| 1,2,4-Trichlorobenzene | ug/L | <2.2 | 50 | 50 | 47.5 | 46.3 | 95 | 92 | 70-130 | 2 | 20 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | <2.2 | 50 | 50 | 39.0 | 37.6 | 78 | 75 | 50-150 | 4 | 20 | | |
| 1,2-Dibromoethane (EDB) | ug/L | <0.18 | 50 | 50 | 49.8 | 47.5 | 100 | 95 | 70-130 | 5 | 20 | | |
| 1,2-Dichlorobenzene | ug/L | <0.50 | 50 | 50 | 49.9 | 48.3 | 100 | 97 | 70-130 | 3 | 20 | | |
| 1,2-Dichloroethane | ug/L | <0.17 | 50 | 50 | 53.0 | 52.3 | 106 | 105 | 70-132 | 1 | 20 | | |
| 1,2-Dichloropropane | ug/L | <0.23 | 50 | 50 | 53.2 | 51.3 | 106 | 103 | 70-130 | 4 | 20 | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| Parameter | Units | 40121062006 | | MSD | | 1221124 | | % Rec | Limits | Max | |
|---------------------------|-------|-------------|-------------|-------------|-----------|---------|----------|-------|--------|---------|------|
| | | MS Result | Spike Conc. | Spike Conc. | MS Result | MSD | MS % Rec | | | RPD RPD | Qual |
| | | | | | | | | | | | |
| 1,3-Dichlorobenzene | ug/L | <0.50 | 50 | 50 | 47.3 | 46.4 | 95 | 93 | 70-130 | 2 | 20 |
| 1,4-Dichlorobenzene | ug/L | <0.50 | 50 | 50 | 49.8 | 48.1 | 100 | 96 | 70-130 | 4 | 20 |
| Benzene | ug/L | <0.50 | 50 | 50 | 47.8 | 45.9 | 96 | 92 | 70-130 | 4 | 20 |
| Bromodichloromethane | ug/L | <0.50 | 50 | 50 | 55.6 | 53.5 | 111 | 107 | 70-132 | 4 | 20 |
| Bromoform | ug/L | <0.50 | 50 | 50 | 46.8 | 44.8 | 94 | 90 | 68-130 | 4 | 20 |
| Bromomethane | ug/L | <2.4 | 50 | 50 | 46.7 | 48.0 | 93 | 96 | 38-141 | 3 | 20 |
| Carbon tetrachloride | ug/L | <0.50 | 50 | 50 | 56.9 | 55.0 | 114 | 110 | 70-130 | 3 | 20 |
| Chlorobenzene | ug/L | <0.50 | 50 | 50 | 54.6 | 52.8 | 109 | 106 | 70-130 | 3 | 20 |
| Chloroethane | ug/L | <0.37 | 50 | 50 | 45.1 | 45.2 | 90 | 90 | 66-152 | 0 | 20 |
| Chloroform | ug/L | <2.5 | 50 | 50 | 50.2 | 49.2 | 100 | 98 | 70-130 | 2 | 20 |
| Chloromethane | ug/L | <0.50 | 50 | 50 | 40.3 | 41.2 | 81 | 82 | 44-151 | 2 | 20 |
| cis-1,2-Dichloroethene | ug/L | <0.26 | 50 | 50 | 45.1 | 43.4 | 90 | 87 | 70-130 | 4 | 20 |
| cis-1,3-Dichloropropene | ug/L | <0.50 | 50 | 50 | 44.5 | 41.2 | 89 | 82 | 70-130 | 8 | 20 |
| Dibromochloromethane | ug/L | <0.50 | 50 | 50 | 54.7 | 52.3 | 109 | 105 | 70-130 | 4 | 20 |
| Dichlorodifluoromethane | ug/L | <0.22 | 50 | 50 | 46.7 | 45.8 | 93 | 92 | 29-160 | 2 | 20 |
| Ethylbenzene | ug/L | <0.50 | 50 | 50 | 52.9 | 51.2 | 106 | 102 | 70-132 | 3 | 20 |
| Isopropylbenzene (Cumene) | ug/L | <0.14 | 50 | 50 | 54.0 | 53.3 | 108 | 107 | 70-130 | 1 | 20 |
| m&p-Xylene | ug/L | <1.0 | 100 | 100 | 108 | 104 | 108 | 104 | 70-131 | 4 | 20 |
| Methyl-tert-butyl ether | ug/L | <0.17 | 50 | 50 | 38.1 | 38.0 | 76 | 76 | 48-143 | 0 | 20 |
| Methylene Chloride | ug/L | <0.23 | 50 | 50 | 44.0 | 42.4 | 88 | 85 | 70-130 | 4 | 20 |
| o-Xylene | ug/L | <0.50 | 50 | 50 | 53.1 | 51.8 | 106 | 104 | 70-131 | 3 | 20 |
| Styrene | ug/L | <0.50 | 50 | 50 | 50.6 | 48.1 | 101 | 96 | 70-130 | 5 | 20 |
| Tetrachloroethene | ug/L | <0.50 | 50 | 50 | 55.7 | 55.3 | 111 | 110 | 70-130 | 1 | 20 |
| Toluene | ug/L | <0.50 | 50 | 50 | 53.3 | 52.0 | 107 | 104 | 70-130 | 2 | 20 |
| trans-1,2-Dichloroethene | ug/L | <0.26 | 50 | 50 | 48.6 | 48.3 | 97 | 97 | 70-132 | 1 | 20 |
| trans-1,3-Dichloropropene | ug/L | <0.23 | 50 | 50 | 44.0 | 41.2 | 88 | 82 | 70-130 | 6 | 20 |
| Trichloroethene | ug/L | <0.33 | 50 | 50 | 53.6 | 53.7 | 107 | 107 | 70-130 | 0 | 20 |
| Trichlorofluoromethane | ug/L | <0.18 | 50 | 50 | 54.0 | 53.0 | 108 | 106 | 50-153 | 2 | 20 |
| Vinyl chloride | ug/L | <0.18 | 50 | 50 | 43.5 | 44.8 | 87 | 90 | 60-155 | 3 | 20 |
| 4-Bromofluorobenzene (S) | % | | | | | | | 102 | 104 | 70-130 | |
| Dibromofluoromethane (S) | % | | | | | | | 102 | 101 | 70-130 | |
| Toluene-d8 (S) | % | | | | | | | 101 | 100 | 70-130 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| | | | |
|-------------------------|--|-----------------------|------------------------------|
| QC Batch: | WET/23175 | Analysis Method: | SM 3500-Cr B (Online) |
| QC Batch Method: | SM 3500-Cr B (Online) | Analysis Description: | Chromium, Hexavalent by 3500 |
| Associated Lab Samples: | 40121044005, 40121044006, 40121044007, 40121044008 | | |

METHOD BLANK: 1220790 Matrix: Water

Associated Lab Samples: 40121044005, 40121044006, 40121044007, 40121044008

| Parameter | Units | Blank | Reporting | Analyzed | Qualifiers |
|----------------------|-------|---------|-----------|----------------|------------|
| | | Result | Limit | | |
| Chromium, Hexavalent | mg/L | <0.0039 | 0.020 | 09/15/15 11:45 | |

LABORATORY CONTROL SAMPLE: 1220791

| Parameter | Units | Spike | LCS | LCS | % Rec | Qualifiers |
|----------------------|-------|-------|--------|-------|--------|------------|
| | | Conc. | Result | % Rec | Limits | |
| Chromium, Hexavalent | mg/L | .3 | 0.32 | 108 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1220792 1220793

| Parameter | Units | 40121044006 | MS | MSD | MS | MSD | MS | MSD | % Rec | % Rec | Max | RPD | RPD | Qual |
|----------------------|-------|-------------|-------|-------|-----|-----|-----|-----|-------|--------|-----|-----|-----|------|
| | | Result | Spike | Spike | | | | | | | | | | |
| Chromium, Hexavalent | mg/L | 0.66 | 3 | 3 | 3.9 | 3.9 | 3.9 | 108 | 107 | 90-110 | 0 | 20 | | |

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QUALITY CONTROL DATA

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

| | | | |
|-------------------------|--------------------------|-----------------------|----------------------|
| QC Batch: | WETA/30219 | Analysis Method: | EPA 335.4 |
| QC Batch Method: | EPA 335.4 | Analysis Description: | 335.4 Cyanide, Total |
| Associated Lab Samples: | 40121044005, 40121044007 | | |

METHOD BLANK: 1220332 Matrix: Water

Associated Lab Samples: 40121044005, 40121044007

| Parameter | Units | Blank | Reporting | Analyzed | Qualifiers |
|-----------|-------|--------|-----------|----------------|------------|
| | | Result | Limit | | |
| Cyanide | mg/L | <0.010 | 0.020 | 09/15/15 13:01 | |

LABORATORY CONTROL SAMPLE: 1220333

| Parameter | Units | Spike | LCS | LCS | % Rec | Qualifiers |
|-----------|-------|-------|--------|-------|--------|------------|
| | | Conc. | Result | % Rec | Limits | |
| Cyanide | mg/L | .1 | 0.11 | 107 | 90-110 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1220334 1220335

| Parameter | Units | 40120809002 | MS | MSD | MS | MSD | MS | MSD | % Rec | % Rec | Max | RPD | RPD | Qual |
|-----------|-------|-------------|-------|-------|------|------|-----|-----|--------|-------|-----|-----|-----|------|
| | | Result | Spike | Spike | | | | | | | | | | |
| Cyanide | mg/L | <0.020 | .2 | .2 | 0.22 | 0.21 | 109 | 105 | 90-110 | 3 | 20 | | | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1220336 1220337

| Parameter | Units | 40120906006 | MS | MSD | MS | MSD | MS | MSD | % Rec | % Rec | Max | RPD | RPD | Qual |
|-----------|-------|-------------|-------|-------|------|------|----|-----|--------|-------|-----|-----|-----|------|
| | | Result | Spike | Spike | | | | | | | | | | |
| Cyanide | mg/L | <0.060 | .6 | .6 | 0.55 | 0.62 | 91 | 102 | 90-110 | 11 | 20 | | | |

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 58117057 NW MAUTHE SUPERFUND

Pace Project No.: 40121044

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 58117057 NW MAUTHE SUPERFUND
Pace Project No.: 40121044

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------------|------------|-------------------|------------------|
| 40121044001 | MW103 | EPA 6010 | ICP/11156 | | |
| 40121044002 | MW104 | EPA 6010 | ICP/11156 | | |
| 40121044003 | MW107 | EPA 6010 | ICP/11156 | | |
| 40121044004 | MW109 | EPA 6010 | ICP/11156 | | |
| 40121044005 | MW110 | EPA 6010 | ICP/11156 | | |
| 40121044006 | MW111 | EPA 6010 | ICP/11156 | | |
| 40121044007 | MW112 | EPA 6010 | ICP/11156 | | |
| 40121044008 | MW113 | EPA 6010 | ICP/11156 | | |
| 40121044009 | DUPLICATE | EPA 6010 | ICP/11156 | | |
| 40121044003 | MW107 | EPA 8260 | MSV/30146 | | |
| 40121044004 | MW109 | EPA 8260 | MSV/30146 | | |
| 40121044005 | MW110 | EPA 8260 | MSV/30146 | | |
| 40121044006 | MW111 | EPA 8260 | MSV/30146 | | |
| 40121044007 | MW112 | EPA 8260 | MSV/30146 | | |
| 40121044008 | MW113 | EPA 8260 | MSV/30146 | | |
| 40121044009 | DUPLICATE | EPA 8260 | MSV/30146 | | |
| 40121044010 | TRIP | EPA 8260 | MSV/30146 | | |
| 40121044005 | MW110 | SM 3500-Cr B (Online) | WET/23175 | | |
| 40121044006 | MW111 | SM 3500-Cr B (Online) | WET/23175 | | |
| 40121044007 | MW112 | SM 3500-Cr B (Online) | WET/23175 | | |
| 40121044008 | MW113 | SM 3500-Cr B (Online) | WET/23175 | | |
| 40121044005 | MW110 | EPA 335.4 | WETA/30219 | EPA 335.4 | WETA/30236 |
| 40121044007 | MW112 | EPA 335.4 | WETA/30219 | EPA 335.4 | WETA/30236 |

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical

Project #:

WO# : **40121044**

Client Name: Terracon

Courier: FedEx UPS Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RT /Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.

Frozen Biota Samples should be received ≤ 0°C.

Comments: _____

Person examining contents:
Date: 9/15/15
Initials: SKW

| | | |
|--|---|--|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| - VOA Samples frozen upon receipt | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Date/Time: _____ |
| Short Hold Time Analysis (<72hr): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 6. <u>Cr6</u> <u>9/15/15</u> <u>SKW</u> |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <u>9-15-15 SKW</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. <u>No HNO3 preserved for OOS for requested Analysis.</u> <u>9-15-15</u> <u>SKW</u> |
| Correct Containers Used: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| -Pace IR Containers Used: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered volume received for Dissolved tests | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12. <u>003 1-250 mlp 0 No collect time. Lab Std Collected time w/ 1/45. 004-250 mlp 0 No client listed the SO4 preservative - actually HN</u> |
| -Includes date/time/ID/Analysis Matrix: | <u>W</u> | |
| All containers needing preservation have been checked. (Non-Compliance noted in 13.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input checked="" type="checkbox"/> NaOH <input type="checkbox"/> NaOH +ZnAct <u>9/15/15</u> <u>SKW</u> |
| All containers needing preservation are found to be in compliance with EPA recommendation. <u>(HNO3, H2SO4, 2. NaOH+ZnAct ≥9, NaOH ≥12)</u> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| exception: VOA coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Initial when completed: <u>SKW</u> Lab Std #ID of preservative Date/ Time: _____ |
| Headspace in VOA Vials (>6mm): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 14. |
| Trip Blank Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 15. |
| Trip Blank Custody Seals Present | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): | <u>Covered 9-15-15 SKW</u> | |

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: ANITA for DM

Date: 9/15/15

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

| | | | | |
|-------------------|-------------|---------------------------|----------------------------|----------------------------------|
| PROJECT NAME: | Maurtley | | PROJECT NO. | 58417057 |
| PROJECT LOCATION: | Appleton WI | | | |
| SAMPLE POINT: | 103 | SAMPLE POINT DESCRIPTION: | Backyard in Screen | |
| CASING DIAMETER: | 2 | | | |
| WELL DEPTH: | 29.40 | | | |
| DATE: | 9.14.2015 | TIME | 1400 | AM /PM |
| | | | | DEPTH TO GROUND WATER (FT): 5.73 |
| SAMPLING METHOD: | Slow flow | | FLOW RATE: 175 ml/s | |
| SAMPLE TIME: | 1442 | | TOTAL PURGED: 1 1/2 gallon | |

| TIME | WATER LEVEL | TEMP.(°C) | pH | COND. (ms/cm) | ORP (mV) | DO (mg/l) | SAB |
|------|-------------|-----------|------|------------------|-------------|--------------|-----|
| 1400 | 5.73 | 14.70 | 7.64 | 1.102 | 52.3 | 82.3 | 524 |
| 1405 | 5.98 | 14.66 | 7.58 | 1.091 | 55.4 | 9.10 | |
| 1410 | 6.23 | 14.38 | 7.35 | 1.063 | 60.2 | 2.19 | |
| 1415 | 6.40 | 14.36 | 7.26 | 1.054 | 63.7 | 1.02 | |
| 1420 | 6.55 | 14.36 | 7.21 | 1.039 | 66.5 | 0.97 | |
| 1425 | 6.68 | 14.42 | 7.19 | 1.022 | 67.0 | 0.63 | |
| 1430 | 6.84 | 14.55 | 7.17 | 1.015 | 67.3 | 0.60 | |
| 1435 | 7.01 | 14.59 | 7.16 | 1.012 | 67.2 | 0.57 | |
| 1439 | 7.16 | 14.60 | 7.16 | 1.009 | 68.7 | 0.53 | |
| 1442 | 7.27 | 14.62 | 7.15 | 1.007 | 68.7 | 0.51 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | | | | | | | |
|--------------------|-----------------|--------|-------|--------------------------------------|--------------------------|-----------|---------------------|
| SAMPLE APPEARANCE: | VERY TURBID | TURBID | ODOR: | YES <input checked="" type="radio"/> | NO <input type="radio"/> | ANALYSES: | Heads Chrom-Vocs |
| | SLIGHTLY TURBID | CLEAR | | NOT NOTED | | | |

CLEANING PERFORMED IN FIELD: Alcohol and Distilled Water AND Disposable gloves *INITIAL TO VERIFY OR NOTE OTHER CLEANING
METHOD PERFORMED

| | |
|-----------|--|
| COMMENTS: | |
| | |

| | | | |
|--------------|-------------------|-------|-----------|
| SAMPLED BY: | Bob J. Sundell | DATE: | 9.14-2015 |
| REVIEWED BY: | Scott A. Hodgeson | DATE: | 10/6/15 |

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

| | | | | |
|-------------------|-------------|---------------------------|-----------------------------|-------------|
| PROJECT NAME: | NW Martha | | PROJECT NO. | 58117057 |
| PROJECT LOCATION: | Appleton WI | | | |
| SAMPLE POINT: | MW104 | SAMPLE POINT DESCRIPTION: | | |
| CASING DIAMETER: | 2 | | | |
| WELL DEPTH: | 29.60 | | | |
| DATE: | 9.14.2013 | TIME | 13 ⁰⁰ | AM /PM |
| SAMPLING METHOD: | Low Flow | | DEPTH TO GROUND WATER (FT): | 8.54 |
| SAMPLE TIME: | 1349 | | FLOW RATE: | 175 ml/s m |
| | | | TOTAL PURGED: | 1314 gallon |

| TIME | WATER LEVEL | TEMP.(°C) | pH | COND. μS/cm | ORP mV | DO mg/l |
|------------------|-------------|-----------|------|----------------|-----------|------------|
| 13 ⁰⁰ | 8.54 | 14.54 | 7.31 | 2.001 | -25.2 | 2.41 |
| 13 ⁰⁵ | 8.76 | 14.47 | 7.27 | 1.996 | -22.8 | 1.99 |
| 13 ¹⁰ | 8.91 | 14.15 | 7.18 | 1.976 | -15.3 | 1.53 |
| 13 ¹⁵ | 9.09 | 14.14 | 7.17 | 1.975 | -12.2 | 1.31 |
| 13 ²⁰ | 9.27 | 14.06 | 7.16 | 1.969 | -11.0 | 1.27 |
| 13 ²⁵ | 9.48 | 14.04 | 7.14 | 1.966 | -10.6 | 1.24 |
| 13 ³⁰ | 9.60 | 13.99 | 7.14 | 1.964 | -9.8 | 1.21 |
| 13 ³⁴ | 9.83 | 13.95 | 7.12 | 1.958 | -10.7 | 0.17 |
| 13 ³⁸ | 9.99 | 13.93 | 7.11 | 1.950 | -11.5 | 0.60 |
| 13 ⁴⁹ | 10.07 | 13.92 | 7.11 | 1.941 | -12.1 | 0.53 |

SAMPLE APPEARANCE: VERY TURBID TURBID
SIGHTLY TURBID CLEAR ODOR: YES NO
NOT NOTED ANALYSES: Hexachrome
104

CLEANING PERFORMED IN FIELD: *Alconox* and *Distilled Water AND Disposable gloves* *INITIAL TO VERIFY OR NOTE OTHER CLEANING METHODS PERFORMED

COMMENTS:

| | | | |
|--------------|---|-------|-----------|
| SAMPLED BY: |  | DATE: | 9.14.2015 |
| REVIEWED BY: |  | DATE: | 10/6/15 |

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

| | | | |
|-------------------|----------------------------|---------------------------|----------------------------------|
| PROJECT NAME: | New Manthe | PROJECT NO.: | 58117057 |
| PROJECT LOCATION: | Appleton WI | | |
| SAMPLE POINT: | MW 107 | SAMPLE POINT DESCRIPTION: | |
| CASING DIAMETER: | 2 | | |
| WELL DEPTH: | 33.45 | | |
| DATE: | 9/14/2015 | TIME: | 11:05 |
| | | AM /PM | DEPTH TO GROUND WATER (FT): 9.60 |
| SAMPLING METHOD: | Low Flow | | |
| SAMPLE TIME: | 11:44 | | |
| | FLOW RATE: 200 ml/s m | | |
| | TOTAL PURGED: 134 (gallon) | | |

| TIME | WATER LEVEL | TEMP.(° C) | pH | COND. μS/cm | ORP | DO (mg/L) |
|-------|-------------|------------|------|----------------|------|--------------|
| 11:05 | 9.60 | 19.20 | 7.58 | 1.370 | 87.0 | 2.30 |
| 11:10 | 10.00 | 19.20 | 7.56 | 1.371 | 87.4 | 1.88 |
| 11:15 | 10.50 | 19.08 | 7.50 | 1.371 | 87.3 | 1.64 |
| 11:20 | 10.73 | 18.87 | 7.39 | 1.370 | 87.2 | 1.29 |
| 11:25 | 10.80 | 18.78 | 7.35 | 1.371 | 87.0 | 1.09 |
| 11:30 | 10.85 | 18.67 | 7.32 | 1.368 | 85.1 | 0.96 |
| 11:35 | 10.90 | 18.60 | 7.31 | 1.369 | 84.8 | 0.93 |
| 11:40 | 10.93 | 18.56 | 7.29 | 1.367 | 83.6 | 0.84 |
| 11:43 | 10.96 | 18.53 | 7.28 | 1.366 | 82.2 | 0.80 |
| 11:44 | 10.99 | 18.52 | 7.25 | 1.365 | 81.0 | 0.72 |

SAMPLE APPEARANCE: VERY TURBID TURBID
Slightly Turbid CLEAR

ODOR: YES NO
NOT NOTED

ANALYSES: *total chrome
VAC's*

CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves *INITIAL TO VERIFY OR NOTE OTHER CLEANING
METHOD PERFORMED

[View Details](#) | [Edit](#) | [Delete](#)

COMMENTS:

| | |
|---|-----------------|
| SAMPLED BY: <i>Sarah Garrowell</i> | DATE: 9.14.2015 |
| REVIEWED BY: <i>Scott A. Hodgson</i> | DATE: 10/6/15 |

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

| | | | | |
|---------------------------|-------------|---------------------------|----------------------------------|----------|
| PROJECT NAME: | New Mauthe | | PROJECT NO. | 58117057 |
| PROJECT LOCATION: | Appleton WI | | | |
| SAMPLE POINT: | 109 | SAMPLE POINT DESCRIPTION: | | |
| CASING DIAMETER: | 2 | | | |
| WELL DEPTH: | 22.50 | | | |
| DATE: 9.14.2015 | TIME: 12:00 | AM /PM | DEPTH TO GROUND WATER (FT): 8.20 | |
| SAMPLING METHOD: Low Flow | | | FLOW RATE: 175 μ ls m^-1 | |
| SAMPLE TIME: 12:43 | | | TOTAL PURGED: 1 1/2 gal | |

| TIME | WATER LEVEL | TEMP.(°C) | pH | COND. μS/cm | ORP | DO (mg/L) |
|------------------|-------------|-----------|------|----------------|-------|--------------|
| 12 ⁰⁰ | 8.20 | 20.22 | 6.96 | 4.226 | 114.1 | 2.31 |
| 12 ⁰⁵ | 8.35 | 20.27 | 6.94 | 4.230 | 113.7 | 1.57 |
| 12 ¹⁰ | 8.50 | 20.29 | 6.93 | 4.238 | 112.1 | 1.28 |
| 12 ¹⁵ | 8.56 | 20.35 | 6.89 | 4.251 | 109.8 | 1.01 |
| 12 ²⁰ | 8.61 | 20.40 | 6.85 | 4.260 | 108.0 | 0.99 |
| 12 ²⁵ | 8.73 | 20.44 | 6.85 | 4.258 | 107.3 | 0.97 |
| 12 ³⁰ | 8.88 | 20.46 | 6.85 | 4.265 | 106.1 | 0.95 |
| 12 ³⁵ | 8.97 | 20.49 | 6.84 | 4.265 | 105.4 | 0.91 |
| 12 ⁴⁰ | 9.03 | 20.50 | 6.82 | 4.268 | 104.0 | 0.88 |
| 12 ⁴³ | 9.09 | 20.51 | 6.82 | 4.269 | 103.3 | 0.80 |

SAMPLE APPEARANCE: VERY TURBID TURBID
SLIGHTLY TURBID CLEAR ODOR: YES NO
NOT NOTED ANALYSES: Chromium
VOCs

CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves *INITIAL TO VERIFY OR NOTE OTHER CLEANING
METHOD PERFORMED

For more information about the study, please contact Dr. Michael J. Hwang at (310) 206-6500 or via email at mhwang@ucla.edu.

COMMENTS:

| | | | |
|--------------|-------------------------|-------|------------------|
| SAMPLED BY: | <i>John Gould</i> | DATE: | <i>9/14/2015</i> |
| REVIEWED BY: | <i>Scott A. Hodgson</i> | DATE: | <i>10/6/15</i> |

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

| | | | | | |
|-------------------|-------------|---------------------------|---------------|---------|----------------------------------|
| PROJECT NAME: | Maurits | | PROJECT NO. | S81F057 | |
| PROJECT LOCATION: | Appleton WI | | | | |
| SAMPLE POINT: | MUD 110 | SAMPLE POINT DESCRIPTION: | | | |
| CASING DIAMETER: | 2 | | | | |
| WELL DEPTH: | 22.25 | | | | |
| DATE: | 9.14.2015 | TIME | 1820 | AM /PM | DEPTH TO GROUND WATER (FT): 9.20 |
| SAMPLING METHOD: | low flow | | FLOW RATE: | | 175 uS/L |
| SAMPLE TIME: | 19.08 | | TOTAL PURGED: | | 1 3/4 gallon |

| TIME | WATER LEVEL | TEMP. (°C) | pH | COND. mScm | ORP mV | DG |
|------|-------------|------------|------|---------------|-----------|------|
| 1820 | 9.20 | 15.37 | 7.52 | 2.260 | 90.1 | 2.44 |
| 1825 | 9.43 | 15.44 | 7.43 | 2.267 | 90.6 | 2.11 |
| 1830 | 9.59 | 15.33 | 7.36 | 2.273 | 88.5 | 1.12 |
| 1835 | 9.73 | 15.38 | 7.24 | 2.272 | 86.2 | 0.93 |
| 1840 | 9.81 | 15.47 | 7.22 | 2.273 | 85.3 | 0.88 |
| 1845 | 9.92 | 15.55 | 7.22 | 2.273 | 84.1 | 0.81 |
| 1850 | 10.01 | 15.63 | 7.18 | 2.274 | 81.3 | 0.72 |
| 1855 | 10.13 | 15.70 | 7.16 | 2.270 | 76.4 | 0.54 |
| 1902 | 10.25 | 15.72 | 7.16 | 2.267 | 73.2 | 0.53 |
| 1905 | 10.38 | 15.74 | 7.16 | 2.262 | 72.1 | 0.53 |
| 1908 | 10.49 | 15.75 | 7.15 | 2.260 | 71.0 | 0.54 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | | | | | | |
|--|-----------------|--------|-------|--------------------------------------|--------------------------|---|------------|-------|
| SAMPLE APPEARANCE: | VERY TURBID | TURBID | ODOR: | YES <input checked="" type="radio"/> | NO <input type="radio"/> | ANALYSES: | Hex chrome | 407el |
| | SLIGHTLY TURBID | CLEAR | | NOT NOTED | | VOC | Cr | |
| CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves | | | | | | *INITIAL TO VERIFY OR NOTE OTHER CLEANING | | |

METHOD PERFORMED

| | | | |
|--------------|-----------------|-------|-----------|
| SAMPLED BY: | Shawn D. | DATE: | 9.14.2015 |
| REVIEWED BY: | Scott A. Hodson | DATE: | 10/6/15 |

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

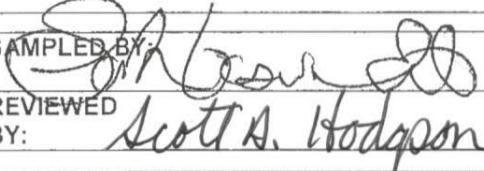
| | | | | |
|-------------------|-------------|---------------------------|---------------|----------------------------------|
| PROJECT NAME: | Naughty | | PROJECT NO. | 58117057 |
| PROJECT LOCATION: | Appleton WI | | | |
| SAMPLE POINT: | WELL 111 | SAMPLE POINT DESCRIPTION: | | |
| CASING DIAMETER: | 2 | | | |
| WELL DEPTH: | 22.38 | | | |
| DATE: | 9-14-2015 | TIME | 1510 | AM / PM |
| | | | | DEPTH TO GROUND WATER (FT): 8.10 |
| SAMPLING METHOD: | LOW FLOW | | FLOW RATE: | 175 mL M |
| SAMPLE TIME: | 1603 | | TOTAL PURGED: | 1.5 gal |

| TIME | WATER LEVEL | TEMP. (°C) | pH | COND. mS/cm | ORP mV | DO mg/l |
|------|-------------|------------|------|----------------|-----------|------------|
| 1510 | 8.10 | 17.29 | 7.59 | 1.658 | 62.4 | 2.56 |
| 1515 | 8.29 | 17.38 | 7.55 | 1.657 | 62.4 | 2.22 |
| 1520 | 8.42 | 17.46 | 7.53 | 1.657 | 62.0 | 2.04 |
| 1525 | 8.55 | 17.59 | 7.51 | 1.657 | 60.7 | 1.87 |
| 1530 | 8.68 | 17.69 | 7.48 | 1.659 | 59.4 | 1.81 |
| 1535 | 8.80 | 17.72 | 7.48 | 1.661 | 58.6 | 1.75 |
| 1540 | 8.93 | 17.79 | 7.46 | 1.662 | 56.3 | 1.61 |
| 1545 | 9.17 | 17.98 | 7.45 | 1.665 | 54.2 | 1.38 |
| 1550 | 9.32 | 18.09 | 7.43 | 1.667 | 53.0 | 1.39 |
| 1555 | 9.44 | 18.12 | 7.42 | 1.668 | 52.1 | 1.34 |
| 1600 | 9.60 | 18.14 | 7.42 | 1.669 | 51.3 | 1.30 |
| 1603 | 9.73 | 18.15 | 7.41 | 1.670 | 50.7 | 1.27 |

| | | | | | | | |
|--------------------|-----------------|--------|-------|-----------|----------------------------------|----|-----------|
| SAMPLE APPEARANCE: | VERY TURBID | TURBID | ODOR: | YES | <input checked="" type="radio"/> | NO | ANALYSES: |
| | SLIGHTLY TURBID | CLEAR | | NOT NOTED | | | |

| | | |
|------------------------------|---|---|
| CLEANING PERFORMED IN FIELD: | Alconox and Distilled Water AND Disposable gloves | *INITIAL TO VERIFY OR NOTE OTHER CLEANING METHOD PERFORMED |
|------------------------------|---|---|

| |
|-----------|
| COMMENTS: |
|-----------|

| | |
|--|-----------------|
| SAMPLED BY:  | DATE: 9-14-2015 |
| REVIEWED BY: Scott A. Hodgson | DATE: 10/6/15 |

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

| | | | |
|-------------------|-----------|---------------------------|----------------------------------|
| PROJECT NAME: | Maurthy | PROJECT NO. | 58117057 |
| PROJECT LOCATION: | Appleton | | |
| SAMPLE POINT: | MW112 | SAMPLE POINT DESCRIPTION: | |
| CASING DIAMETER: | 2 | | |
| WELL DEPTH: | 22.50 | | |
| DATE: | 9.14.2015 | TIME | 16 15 |
| | | AM /PM | DEPTH TO GROUND WATER (FT): 8.50 |
| SAMPLING METHOD: | Lowflow | FLOW RATE: 175 uLSM | |
| SAMPLE TIME: | 17.07 | TOTAL PURGED: 1 1/2 gal | |

| TIME | WATER LEVEL | TEMP.(°C) | pH | COND. (μS/cm) | ORP | DO (mg/L) |
|-------|-------------|-----------|------|------------------|------|--------------|
| 16 15 | 8.50 | 16.34 | 7.67 | 2012 | 69.7 | 2.73 |
| 16 20 | 8.63 | 16.59 | 7.60 | 2,002 | 63.2 | 1.55 |
| 16 25 | 8.75 | 16.74 | 7.59 | 2.007 | 59.1 | 1.50 |
| 16 30 | 8.84 | 16.88 | 7.57 | 2.004 | 59.0 | 1.37 |
| 16 35 | 8.90 | 16.97 | 7.53 | 2.002 | 59.0 | 1.30 |
| 16 40 | 9.01 | 17.40 | 7.52 | 2.008 | 59.5 | 1.18 |
| 16 45 | 9.05 | 17.75 | 7.51 | 1.998 | 58.4 | 1.02 |
| 16 50 | 9.07 | 17.93 | 7.51 | 1.999 | 58.4 | 0.93 |
| 16 55 | 9.07 | 18.17 | 7.51 | 1.998 | 58.2 | 0.89 |
| 17 00 | 9.07 | 18.25 | 7.51 | 1.994 | 59.6 | 0.83 |
| 17 04 | 9.08 | 18.29 | 7.51 | 1.995 | 59.5 | 0.81 |
| 17 07 | 9.08 | 18.31 | 7.50 | 1.993 | 59.8 | 0.79 |

SAMPLE APPEARANCE: VERY TURBID TURBID SLIGHTLY TURBID CLEAR ODOR: YES NO NOT NOTED ANALYSES: cyanide, VOC, total ^{total} hex chrome, yellow "finge"

CLEANING PERFORMED IN FIELD: Alconox and Distilled Water AND Disposable gloves *INITIAL TO VERIFY OR NOTE OTHER CLEANING
METHOD PERFORMED

COMMENTS:

SAMPLED BY:

DATE: 9-14-2015

REVIEWED BY:

DATE: 10/6/15

Scott A. Hodgson

TERRACON

GROUND WATER SAMPLING INFORMATION SHEET

| | | | |
|-------------------|--------------------|--------------|-----------------------------|
| PROJECT NAME: | <i>Mawehy</i> | PROJECT NO. | 58117057 |
| PROJECT LOCATION: | <i>Appleton WI</i> | | |
| SAMPLE POINT: | <i>MW 113</i> | SAMPLE POINT | |
| CASING DIAMETER: | <i>2</i> | DESCRIPTION: | |
| WELL DEPTH: | <i>22.30</i> | | |
| DATE: | <i>9.14.2015</i> | TIME | <i>8:40</i> |
| | | AM /PM | <i>8:40</i> |
| SAMPLING METHOD: | <i>low flow</i> | | DEPTH TO GROUND WATER |
| SAMPLE TIME: | <i>8:18</i> | | (FT): <i>8.40</i> |
| | | | FLOW RATE: <i>1.75 m³/m</i> |
| | | | TOTAL PURGED: <i>2.6L</i> |

| TIME | WATER LEVEL | TEMP. (°C) | pH | COND. μS/cm | ORP | DO |
|------|-------------|------------|------|----------------|-------|------|
| 1725 | 8.40 | 16.79 | 7.68 | 1,685 | 100.1 | 283 |
| 1730 | 8.51 | 16.65 | 7.65 | 1,684 | 98.5 | 2.05 |
| 1735 | 8.63 | 16.54 | 7.62 | 1,683 | 98.5 | 1.52 |
| 1740 | 8.71 | 16.73 | 7.54 | 1,679 | 97.4 | 1.35 |
| 1745 | 8.80 | 16.16 | 7.50 | 1,678 | 95.6 | 1.00 |
| 1750 | 8.87 | 16.12 | 7.45 | 1,669 | 90.7 | 0.61 |
| 1755 | 8.90 | 16.11 | 7.45 | 1,666 | 90.0 | 0.56 |
| 1800 | 8.90 | 16.20 | 7.40 | 1,618 | 89.5 | 0.37 |
| 1805 | 8.90 | 16.23 | 7.36 | 1,612 | 89.7 | 0.38 |
| 1810 | 8.90 | 16.26 | 7.34 | 1,599 | 90.1 | 0.37 |
| 1815 | 8.90 | 16.26 | 7.32 | 1,597 | 89.9 | 0.37 |
| 1818 | 8.90 | 16.27 | 7.31 | 1,596 | 89.8 | 0.37 |

| | | | | | | |
|--------------------|-----------------|--------|-------|--------------------------------------|--------------------------|-----------|
| SAMPLE APPEARANCE: | VERY TURBID | TURBID | ODOR: | YES <input checked="" type="radio"/> | NO <input type="radio"/> | ANALYSES: |
| | SLIGHTLY TURBID | CLEAR | | NOT NOTED | | |

| | | |
|------------------------------|---|---|
| CLEANING PERFORMED IN FIELD: | Alconox and Distilled Water AND Disposable gloves | *INITIAL TO VERIFY OR NOTE OTHER CLEANING |
| METHOD PERFORMED | | |

| |
|-----------|
| COMMENTS: |
| |

| | | | |
|--------------|-------------------------|-------|------------------|
| SAMPLED BY: | <i>Beth Gouraud</i> | DATE: | <i>9.14.2015</i> |
| REVIEWED BY: | <i>Scott A. Hodgson</i> | DATE: | <i>10/6/15</i> |

Appendix D

Form 4400-194

Notice: Pursuant to ss. NR 700.11(1) and 724.13(3), Wis. Adm. Code, this form is required to be completed or a narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation and is subject to the penalties as stated in s. 292.99, Wis. Stats. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). *Unless otherwise noted, all citations refer to Wisconsin Administrative Code.*

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 700.11(1) and s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 700.11(1) and s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for remediation projects that are regulated under the NR 700 series of Wis. Adm. Code. Specifically, for sites meeting any of the following criteria:

- Any site where a discharge has occurred that report progress in accordance with s. NR 700.11(1), Wis. Adm. Code until site closure is granted. This includes sites where no response activities occurred during the six month reporting period. **Attach, if applicable, a separate brief summary of the work completed during the reporting period and the anticipated future work.**
- Soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent State lead Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submittal of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Only complete and submit all of page GI-1 and Section E on pages 3 and 4 for sites where a discharge has been reported but no response, monitoring or remediation has begun or occurred during the six month reporting period that are required to report only under s. NR 700.11(1), Wis. Adm. Code **and attach, if applicable, a summary of the anticipated future work.**

Section GI - General Site Information

A. General Information

1. Site name

N.W. Mauthé Superfund Site (BRRTS #02-45-000127)

| | | | | | |
|--|------------|--|--------------|-----------------|-----|
| 2. Reporting period from: | 05/01/2015 | To: | 09/30/2015 | Days in period: | 153 |
| 3. Regulatory agency (enter DNR, DCOM, DATCP and/or other) | WDNR/USEPA | 4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific) | 02-45-000127 | | |

5. Site location

| | | | | | | | |
|-------------------|--|--|-------|------------------------------------|---------|-----|---------|
| Region | County | Address | | | | | |
| Northeast Region | Outagamie | 725 S. Outagamie Street, Appleton, Wisconsin | | | | | |
| Municipality name | <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village | | | | | | |
| Appleton | | Township | Range | <input checked="" type="radio"/> E | Section | 1/4 | 1/4 1/4 |
| | | 21 N | 17 | <input type="radio"/> W | 34 | NE | NW |

6. Responsible party

Name

Carol Mauthé

Mailing address

194 C S West Avenue, Appleton, Wisconsin 54915

Phone number

8. Contaminants

chromium, cyanide, chlorinated solvents

7. Consultant

Select if the following information has changed since the last submittal

Company name
Terracon Consultants, Inc.

Mailing address
9856 S 57th Street, Franklin, WI 53132

Phone number
(414) 423-0255

Site name: N.W. Mauthe Superfund Site (BRRTS #02-45-000127)

Reporting period from: 05/01/2015 To: 09/30/2015

Days in period: 153

Remediation Site Progress and Operation,

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9. Soil types (USCS or USDA)

lean clay (CL); silty clay (ML-CL)

10. Hydraulic conductivity(cm/sec):

3.90 E x 10-7

11. Average linear velocity of groundwater (ft/yr)

1.17

12. If soil is treated ex situ, is the treatment location off site? Yes No

If yes, give location: Region

County

Municipality name City Town Village

Township

Range

E

Section

1/4

W

1/4 1/4

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- Groundwater extraction (submit a completed Section GW-1).
- Free product recovery (submit a completed Section GW-1).
- In situ air sparging (submit a completed Section GW-2).
- Groundwater natural attenuation (submit a completed Section GW-3).
- Other groundwater remediation method (submit a completed Section GW-4).
- Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- Soil natural attenuation (submit a completed Section IS-2).
- Other in situ soil remediation method (submit a completed Section IS-3).
- Biopiles (submit a completed Section ES-1).
- Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- Other ex situ remediation method (submit a completed Section ES-3).
- Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? Yes No

If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness Yes No

If yes, explain:

3. Is natural attenuation an effective low cost option at this time? Yes No

4. Is closure sampling warranted at this time? Yes No

5. Are there any modifications that can be made to the remediation to improve cost effectiveness? Yes No

If yes, explain:

Site name: N.W. Mauthe Superfund Site (BRRTS #02-45-000127)
Reporting period from: 05/01/2015 To: 09/30/2015
Days in period: 153

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D. Economic and Cost Data to Date

1. Total investigation cost: Superfund site; EPA
2. Implementation costs (design, capital and installation costs, excluding investigation costs): Superfund site; EPA has
3. Total costs during the previous reporting period: \$15,093.00
4. Total costs during this reporting period: \$15,092.62
5. Total anticipated costs for the next reporting period: \$23,131.00
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? Yes No

If yes, explain:

D5: Alarm diagnostics; installation of a new storage tank ultrasonic level sensor; and Manhole 2 inspection

7. If closure is anticipated within 12 months, estimated costs for project closeout: NA

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.

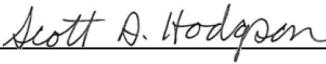
Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

| Print name | Title |
|---|--------------------------|
| Blaine R. Schroyer, P.E. | Principal/Office Manager |
| Signature  | Date 11/17/15 |

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

| Print name | Title |
|--|------------------------|
| Scott A. Hodgson, P.G. | Senior Project Manager |
| Signature  | Date 11/17/15 |

Scientists:

I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

| Print name | Title |
|------------|-------|
| Signature | Date |

Other Persons:

| Print name | Title |
|------------|-------|
| Signature | Date |

Site name: N.W. Mauthe Superfund Site (BRRTS #02-45-000127)

Reporting period from: 05/01/2015 To: 09/30/2015

Days in period: 153

Remediation Site Progress and Operation,

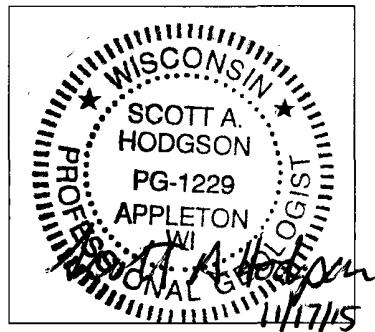
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Professional Seal(s), if applicable:



Site name: N.W. Mauthe Superfund Site (BRRTS #02-45-000127)
Reporting period from: 05/01/2015 To: 09/30/2015
Days in period: 153

**Remediation Site Progress and Operation,
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Section GW-1, Groundwater Pump and Treat Systems and Free Product Recovery Systems

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: 3 and the number in use during period: 3
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):
153
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:
100

4. Quantity of groundwater extracted during this time period: 326,992 gallons
5. Average groundwater extraction rate: 1 gpm
6. Quantity of dissolved phase contaminants removed during this time period in pounds: 1 lbs

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? Yes No

If yes, explain:

2. Quantity of free product extracted during this time period (enter none if none): _____ gallons
3. Average free product extraction rate: _____ gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? Yes No

If no, explain:

System designed only for containment

2. If free product is present, is the free product fully contained in capture zone? Yes No

If no, explain:

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:

4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.

- a. Contaminant: hexavalent chromium in MW-112; 99.69% reduction for ES; 99.97% reduction for PAL
- b. Percent reduction necessary to reach ch. NR 140 ES and PAL: 99.69 %
- c. Maximum contaminant concentration level in any monitoring well of that contaminant: 16,000 µg/L
- d. Maximum contaminant concentration level in any extraction well of that contaminant: 920 µg/L

Site name: N.W. Mauthe Superfund Site (BRRTS #02-45-000127)
Reporting period from: 05/01/2015 To: 09/30/2015
Days in period: 153

**Remediation Site Progress and Operation,
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- e. If the maximum concentration in a monitoring well is more than one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

System designed only for containment, not treatment.

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
 - Graph of contaminant concentrations versus time for each extraction well in use during the period.
 - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.