NATURAL
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PHASE II ESA
VPLE WORK PLAN – PCBS AND METALS

Former Wabash Alloys
Oak Creek, WI

February 4, 2013

BRRTS #: 02-41-553761

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PHASE II ESA
VPLE WORK PLAN – PCBS AND METALS

FORMER WABASH ALLOYS
9100 S. 5TH AVENUE
OAK CREEK, WISCONSIN

Project No. 2095

Prepared By:

Natural Resource Technology, Inc.
23713 West Paul Road, Suite D
Pewaukee, WI 53072

February 4, 2013

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Senior Engineer

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Environmental Engineer

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1 INTRODUCTION

1.1 Purpose

The purpose of this Work Plan is to propose sampling locations, methods and procedures to be implemented during the Phase II Environmental Site Assessment (ESA) of the Former Wabash Alloys Facility property located at 9100 South 5th Avenue, Oak Creek, Wisconsin (Figure 1). The primary objective of this Phase II ESA Work Plan is to complete the Phase II site investigation for the property with the intent of entering the Voluntary Party Liability Exemption (VPLE) Program to obtain a partial VPLE for the constituents of potential concern (COPCs) from the former aluminum smelting operations, namely polychlorinated biphenyls (PCBs) and metals. As the intent is to enter the VPLE program, the sampling locations were selected to characterize the entire property and include locations/areas where previous sampling has not been conducted. A property boundary map is provided in Figure 2. A copy of the property deed is provided in Appendix A.

As mentioned, the COPCs from the former aluminum smelting operations are PCBs from an unknown source and metals derived from processing of secondary metals. The metals list developed for the Phase II ESA includes the 8 RCRA metals[1] and the priority pollutant metals aluminum, copper, nickel and zinc. The additional metals are either aluminum or common aluminum alloy metals. Site characterization for volatile organic carbons (VOCs) and semi-volatile organic carbons (SVOCs) including polynuclear aromatic hydrocarbons (PAHs), in relation to the former coal tar distillation plant operated to produce creosote on the property, are not included as those are being addressed by Beazer East, Inc. as stated in their Work Plan submitted to the Wisconsin Department of Natural Resources (WDNR), dated December 7, 2012.

The scope of work also intends to address the Recognized Environmental Conditions (RECs) and recommendations identified in the Phase I ESA for the Connell Aluminum Site, completed by Weston Solutions, Inc. for the United States Environmental Protection Agency, Region V and the City of Oak Creek, dated November 19, 2009 (Weston, 2009). The conclusions and recommendations from this report are provided in Appendix B. It is acknowledged that Phase II investigations are often iterative processes; the Work Plan details where the dynamic sampling approach will be used to collect additional data depending on the initial results with the intent of characterizing the property adequately for the VPLE program.

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[1] RCRA metals includes arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver

1.2 Project Information

Site Address:
Wabash Alloys
9100 South Fifth Avenue
Oak Creek, Wisconsin 53154

Site Location:
SW ¼ of the NW ¼, and the NW ¼ of the SW ¼
Section 24, T5N, R22E
Milwaukee County

Site ID Numbers:
WDNR BRRTS#: 02-41-553761 (ERP-Open)
Listed as Vulcan Materials/Wabash Alloys
WDNR BRRTS#s: 03-41-305653 and 03-41-001607 (LUST– Both Closed)
WDNR FID #s: 241379050 and 241486740
USEPA ID#: WID 045954641

USEPA NPL Status:
Non-NPL

Current Site Owner:
Connell Aluminum Properties, LLC , 900 Haddon Hall
Project Contact: Mr. Mike Kellogg
(919) 744-7522

Environmental Consultant:
Natural Resource Technology, Inc. (NRT)
23713 W. Paul Road
Pewaukee, WI 53072
Contact: Julie Zimdars, PE /Laurie Parsons, PE
(262) 522-1204/(262) 522-1193

Former Site Owners:
Beazer East, Inc. (Koppers)
Environmental Consultant: Tetra Tech (formerly GeoTrans Inc.)
Contact: Michael Noel, PG
(262) 792-1282

Vulcan Materials
Contact: Tom McElligott
(414) 277-5531

1.3 Location

The former Wabash Alloys facility is located on the east side of 5th Avenue and west of Lake Michigan (Figure 2). The property occupies approximately 21 acres of land. The former smelting facility was located on approximately 12 acres of the western portion of the property, and includes five contiguous buildings of approximately 256,000 square feet. The buildings cover most of the western side of the property.

A concrete yard area is adjacent to the east of the structure. The facility perimeter is secured by chain link fence and locked gates. An abandoned rail line runs along the northern edge of the property with three spurs. At one time, a rail line split and ran along the north side of the property and also entered one of the Wabash Alloys buildings on the east side. The Southeast Area is within the facility fence on the south/southeast corner of the building.

The remaining eastern portion of the property contains no structures except for remaining segments of rail spurs. The eastern portion of the property is undeveloped and extends along a ravine that leads to the Lake Michigan shoreline. Wetlands are present in this portion of the property, as evidenced by standing water and cattails. An approximate wetlands boundary is shown on Figure 2, obtained from the Wisconsin Wetlands Inventory database.

Surrounding properties were detailed in the Phase I ESA Report and include the following:

- Northeast - Fifth Property LLC (4301 East Depot), also identified historically as the Hynite Property.
- Northwest - C&NW Transportation Company (9050 South 5th Avenue) - This is railroad property and is currently not being used.
- South - City of Oak Creek (9170 South 5th Avenue) - This is the City's sewer and water lift pump station. Directly south across from the City of Oak Creek property is the I.E. DuPont DeNemours (DuPont) property.
- East - Lake Michigan is located on the east border of the property. The property lies approximately 60 feet above the Lake Michigan shoreline.
- West - Old Carrollville area residential and commercial properties are located east of 5th Avenue.

1.4 Site History

The site is located in an industrial area used for manufacturing various products since the early 1900s. The chronology of site ownership and site use is provided below (Weston, 2009):

- Prior to 1917 – Unused Part of Newport Chemicals property
- 1917-1935 – American Tar Products/Koppers Products – distillation of coal tar to produce creosote
- 1935-1960 – Koppers Company (formerly Koppers Gas & Coke Company) Tar Plant – tar and chemical manufacturing
- 1960-1968 – Arthur A. Levin and Saul Padek – vacant (conflicting information whether production occurred during this period)
- 1968-1987 – Vulcan Materials – secondary aluminum smelting
- 1987-2001 – Wabash Alloys – secondary aluminum smelting

- 2001-2007 – Wabash Alloys – discontinued operations/facility closed
- 2007-present – Connell Aluminum Properties, LLC – facility closed

Vulcan Materials entered into a Consent Agreement and Final Order with the U.S. EPA Region V regarding the investigation and remediation of a PCB release at the property. The Consent Agreement resulted from an uncontrolled discharge of PCB-containing oil from a facility transformer in June 1985. Concentrations were reportedly from 500 to 60,000 mg/kg in soils. Initial clean-up activities failed to reduce the concentration of PCBs within the soil to levels below 50 mg/kg. The area was subsequently remediated in 1986 to concentrations of less than 1 mg/kg (Weston, 2009).

1.5 Previous Investigation Results

A list of all past technical reports and pertinent maps documenting past environmental work at the property, including the date and title of the report and the consultant who prepared it, is provided in Appendix C. Figure 3 provides the locations of previous sampling efforts. This includes the sampling conducted by RMT (2010) and NRT (2012) for Connell Aluminum Properties, sampling conducted by Tetra Tech (2011) for Beazer, and sampling conducted on City of Oak Creek property (Utility Access Road). Summary tables and figures of previous site investigation results are included in the Appendices to the Work Plan as follows:

- Appendix D - Figures 3 through 7 and Figures 10 and 11 provide soil PCB results from the previous site investigations, including the transformer area. PCB soil data is summarized in tables also.
- Appendix E – Summary of the PCBs in groundwater summarized by Tetra Tech.
- Appendices F and G - Soil and groundwater data collected and/or summarized by Tetra Tech, including VOCs, SVOCs/PAHs and metals.

Borings installed at the site indicate the native geology of the upper 20 feet is comprised of clayey silt to silty clay with silts and sands. Groundwater was observed in site wells at very shallow depths of 1 to 7 feet below ground surface (bgs). Previous investigations concluded a shallow groundwater flow direction was to the south or southeast and deep flow to the east, toward the lake. Water table and deep potentiometric surface maps prepared by Tetra Tech are provided in Appendix H.

2 TECHNICAL APPROACH

2.1 Overview

Activities completed or underway to address the RECs identified in the Phase I ESA (Appendix B) include:

- Building decommissioning is underway which includes removal of all indoor and outdoor equipment used for the aluminum smelting operations. Prior to building commissioning, RMT and NRT collected various samples to characterize the building. The sampling results are included in a Facility Demolition Remedial Action Plan, prepared by NRT, dated October 2, 2012. The types of sampling included paint samples, wipe samples, concrete floor and wall samples, waste pile and dust samples, furnace refractory samples, aboveground storage tank (AST) and pit liquid and sludge samples, and asbestos samples. Waste have been managed and disposed of properly in accordance with applicable regulations.

- Completion of additional characterization and removal of transformers and PCB-impacted soil in the transformer area occurred in November and December 2012. The oil remaining in the transformer units was tested to be less than <50 mg/kg PCBs. The results of the excavation base and sidewall samples are all less than 1 mg/kg total PCBs. The documentation of the soil removal and the sample results will be provided in a subsequent document report.

- All ASTs inside the building and their contents were removed from inside the building. Also, drums of investigative-derived waste from past investigations were disposed of in accordance with applicable requirements.

- Asbestos abatement of the building materials began in November 2012 and is expected to be completed in March 2013. Pieces of deteriorated asbestos or galbestos building materials found on the ground surface are being collected and disposed as asbestos-containing materials.

- While certain paint inside the building was found to contain elevated levels of lead and/or PCBs, the painted surfaces on the outside of the building either did not contain elevated lead or PCBs (such as the red paint on exterior bag houses) or was not found to be significantly flaking or peeling (such as the white paint on west side of building). Also, a pavement surface is present adjacent to the west side of the building, minimizing any potential for leaching of PCBs or metals into the ground.

- A wetland delineation on the property is being conducted by Hey and Associates, Inc. and will be documented in a report, anticipated to be completed in May 2013.

The proposed scope of work of the Phase II ESA includes the following specific investigation activities:

- Additional soil sampling to characterize the property for PCBs and metals. Metals analyses will consist of the 8 RCRA metals in addition to aluminum, copper, nickel and zinc. Also, soil sampling is proposed to characterize the soil below and/or adjacent to the building pits for PCBs and metals.

- Additional groundwater sampling to characterize the property for PCBs and metals. Three temporary monitoring wells are proposed exterior to the building. Metals analyses will consist of the 8 RCRA metals in addition to aluminum, copper, nickel and zinc. Also, groundwater sampling is proposed to characterize the groundwater adjacent to the building pits for PCBs and metals. Three temporary monitoring wells are proposed inside the building.

- Site survey and follow-up exploration of the historic deep water well noted on the Sanborn maps in 1937, 1950 and 1966. Maps showing the prior location of the deep water well is provided in Appendix I.
- Site survey and follow-up exploration as needed if additional potential underground storage tank (UST) vent pipes are found.
- Information gathering and planning for abandonment of the storm sewers and sanitary sewer laterals on the property to eliminate migration pathways.

Details of each of these proposed activities are provided below.

2.2 Soil Sampling

Proposed soil boring locations are shown on Figure 3[2]. Soil borings will be collected using a Geoprobe direct push soil core sampler. Continuous soil samples will be collected to a depth of 8 feet below ground surface (bgs) at each proposed borehole location. The soil samples will be logged according to the United Soil Classification System. Observations of visual creosote, creosote staining and odor will be noted. Soil samples will be screened for the presence of ionizable VOCs at 2-foot intervals using a photoionization detector (PID) equipped with a 10.6 eV lamp.

A proposed sampling and analysis plan is provided in Table 1. In general, the soil borings are located to characterize the soil in areas where past sampling has not been conducted. One boring in the North Yard Area, west of boring SB-510, is located where aluminum dross material was previously stockpiled. The pile was removed in late 2012 and soil samples will be collected to determine the PCB and metals content in soil below the former waste pile.

Soil samples from each boring will be collected from a depth of 0-2 and 4-6 feet for analysis of PCBs. The remaining 2-foot sample intervals will be kept cool or frozen for possible future PCB analysis. As part of the dynamic sampling approach, if PCBs are detected at a concentration greater than 10 mg/kg from either 0-2 or 4-6 foot interval, the adjacent 2-ft depth sample intervals will be analyzed for PCBs. For instance, if the 4-6 ft interval is greater than 10 mg/kg, then samples will be submitted from both the 2-4 ft and 6-8 ft intervals. Additional borings will also be performed to further define a location with greater than 10 mg/kg. Further, depending on the location, additional samples may be analyzed and/or borings may be performed to further define a location with greater than 1 mg/kg total PCBs. The decision to further

[2] Some locations are co-located with Beazer's proposed soil borings from their December 7, 2012 Work Plan as shown on Figure 3.

investigate a sample with greater than 1 mg/kg will depend on whether the area is planned to be capped in the future as part of the overall site remedial plan.

Soil samples for metals analysis will be collected at approximately two-thirds of the borings, with the intent of ensuring adequate coverage of the site. Either the 0-2 or 2-4 foot sample intervals will be submitted for analysis of metals for comparison to direct contact pathway screening levels, residential scenario. The remaining 2-foot sample intervals will be kept cool or frozen for possible future metals analysis. As part of the dynamic sampling approach, additional samples will be submitted for metals analyses from adjacent depth sample intervals if the initial sample results indicate metals concentrations substantially above the proposed NR 720 RCLs developed using the USEPA Residential Residual Screening Levels (RSLs) for direct contact protection. All soil samples will be submitted to ECCS laboratories for PCB and metals analyses.

2.2.1 Soil Sampling near Building Pits

The liquid contents of the building pits were previously analyzed. The PCBs and metals results of the pit liquids are shown on Figure 4 and are also compared to NR 140 Enforcement Standards (ES) and RCRA hazardous waste levels in Table 2. Only sample FRL-2 (manhole in chlorine room), indicated a lead concentration that exceeded the hazardous waste level. Samples FRL-1, FRL-2, FRL-3, FRL-4, FRL-5, FRL-7, FRL-9 and CRL-1 had PCB and/or metals above the NR 140 ES. Sludge (FRSL-1) was sampled from a steel pit with hydraulic line leading into the floor. The contents of the pits will be pumped and disposed at an approved disposal facility. The concrete walls and floor will be inspected for crack or signs of potential releases. For the smaller and shallower pits (i.e. the ladle pits and pits in/near the chlorine room, estimated to be 8-10 feet deep), the concrete walls and base will be completely removed during building demolition.

The larger and deeper crusher pit is estimated to be 20-25 feet in total depth. The subfloor of the pit, where the crushing operations occurred, is approximately 12-13 feet below the floor slab and remains dry throughout the year. The liquid level in the pit is below the subfloor, and was measured to be 15 feet below the floor slab. The depth to groundwater at the wells inside the building is approximately 9 feet (MW-116) and 6.5 feet (MW-117), indicating that the pit is not hydraulically connected with the groundwater. This observation supports the fact that the pit liquid has not released to the groundwater, just as groundwater has not infiltrated into the pit. Because of observed integrity of the pit, no soil samples are proposed for the base of crusher pit. As part of the decommissioning, the crusher pit walls will be removed to approximately 10 feet below the slab elevation and the floor will be cracked so that the pit will allow groundwater interaction and will not trap water in the future.

Soil samples are proposed at the base of the pits that indicated detections of PCBs and/or metals above the NR 140 ES in the pit liquids as shown on Figure 4, with the exception of the crusher pit as mentioned above. The samples will be collected using an excavator bucket for analysis of PCBs and metals. If signs of potential release are observed in any other known pit or if other unknown pits are discovered that contain liquids of suspect contents, a soil sample may be collected from these pits as well. The sample results will be reviewed prior to approving backfill of the pit with clean material.

At the temporary well locations adjacent to the pits, one soil sample will be collected in a 2-foot interval between the pit liquid level and the base of the pit (i.e. within the screened interval) for analysis of PCBs and metals.

2.2.2 Equipment Decontamination

All sampling equipment used to collect the soil samples will be decontaminated between samples using Alconox Solution and De-ionized (DI) water. A stiff bristle brush will be used to remove soil particles from the sampling equipment. The equipment will then be rinsed with DI water. If creosote is encountered, the driller will use a pressure washer on the equipment prior to decontamination.

2.2.3 Boring Abandonment

All soil borings will be abandoned in accordance with NR 141 of the Wisconsin Administrative Code (WAC). A WDNR borehole abandonment form will be completed for each soil boring.

2.3 Groundwater Monitoring

Six temporary monitoring wells are proposed to be installed at the locations shown on Figure 3 to further characterize the groundwater for PCBs and metals. The two western-most exterior wells were located further characterize groundwater on the west side of the property. The well on the east side of the building is located within the larger area of the known PCB soil contamination, downgradient of very high PCB concentrations in the soil, and is intended to characterize groundwater quality in this area.

The wells will be 2" diameter Schedule 40 PVC casing and screen installed using 4.25" hollow stem auger drilling. All wells will be installed to a depth of 15 to 20 feet below ground surface (bgs), depending on depth to water, and will have a 10-ft screen. The locations of these wells may be adjusted based on potential underground or above ground obstructions. Although temporary, the exterior monitoring wells will be completed with flushmount covers for protection as the wells are located in actively traveled areas on the property. The interior monitoring wells may be completed with flushmount covers depending on their location.

The temporary monitoring wells will be constructed and developed in accordance with NR 141. Monitoring well development forms will be completed for each well.

Samples will be collected from the wells in accordance with the proposed sampling and analysis plan summary on Table 1. Two quarterly rounds of samples are proposed from the temporary wells. If no NR 140 Enforcement Standards are exceeded in either sampling round, these wells will be abandoned. Depth to groundwater measurements will be collected from the monitoring wells in conjunction with the groundwater sampling event. An electronic level meter will be utilized to obtain the depth to groundwater to the nearest 0.01 foot. The sampling technician will use low-flow sampling techniques to collect the water samples. Samples will be submitted to ECCS laboratories for PCB and metals analysis. Sample containers provided by ECCS will be used to collect the groundwater samples. One duplicate groundwater sample will be collected from one of the monitoring wells for QA/QC purposes during each round.

2.3.1 Groundwater Sampling near Building Pits

Three of the six temporary monitoring wells are located adjacent to and/or downgradient of the building pits that indicated metals or PCB concentrations above the NR 140 ES as shown on Figure 4. In the ladle pits and chlorine room pits, the liquid level appears to be at the approximate groundwater depth. These wells will be installed as water table wells with 10-foot screens. As indicated previously, the crusher pit does not indicate that a release to groundwater has occurred based on the much lower level of liquid observed in the pit in comparison to the groundwater depth measured in existing nearby wells. Therefore, no groundwater sampling is proposed adjacent to the crusher pit. Sampling will be conducted as described above.

2.3.2 Equipment Decontamination

All sampling equipment used to install and collect the groundwater samples will be decontaminated between samples using Alconox Solution and De-ionized (DI) water. The equipment will then be rinsed with DI water. The drilling/Geoprobe® subcontractor will be instructed to provide clean drill rods for the drilling of the boreholes in which the monitoring wells will be installed. The drill rods used during the investigation will be cleaned using a pressure washer or a steam cleaner. If creosote is encountered the driller will use a pressure washer on the equipment prior to decontamination.

2.3.3 Temporary Well Abandonment

All temporary wells will be abandoned in accordance with NR 141 of the Wisconsin Administrative Code (WAC). A WDNR well abandonment form will be completed for each monitoring well.

2.4 Historic Water Well Survey and Exploration

A historic deep water well was present on the 1937, 1950 and 1966 Sanborn maps north of the existing building as shown on the maps in Appendix I. A search for the well abandonment form using known sources will be conducted as a first step, prior to site survey/exploration.

If the well abandonment form cannot be found, field staff will conduct a visual survey of the area and also conduct shallow exploration with an excavator bucket to determine if the water well is present. If found, NRT will determine whether it was previously abandoned or still requires abandonment.

2.5 UST Survey and Exploration

Although all USTs on the property were reportedly removed, the Phase I ESA indicated a possible UST vent pipe(s) present north of the building. Field staff will conduct a visual survey of the area and also conduct shallow exploration with an excavator bucket to determine if any suspect pipes are remaining USTs. If found, the UST(s) will be removed, sampled and documented in accordance with applicable regulations.

2.6 Sewer Information Gathering

The sanitary and storm sewers on the property that have been previously mapped are shown on Figure 3. To eliminate migration pathways for contamination, these sewers require abandonment as part of the building decommissioning. NRT field staff will conduct a site survey by opening the manholes in order to gather information on location and depth, use of sewer (storm or sanitary), and diameter and type of material. Any sewers that have not been previously mapped will be included on the updated property utility maps. This information will be used to develop an abandonment plan consistent with City requirements and then provided to qualified contractors.

2.7 Field Survey of Locations

Field staff will collect northing and easting for each sample location using a GeoXH 6000 hand held global positioning system (GPS). A licensed surveyor will be contracted to collect elevations for the seven temporary monitoring wells. The surveyor will collect ground elevation, protective cover elevation, and top of well casing elevation in accordance with the specifications described in NR 141. Wisconsin Department of Natural Resource monitoring well construction summary forms will be completed for each monitoring well.

3 WASTE MANAGEMENT

3.1 Investigative-Derived Waste

Field staff and/or drilling contractor will containerize all soil cuttings in 55-gallon drums and temporarily stored on-site pending results. If an existing waste profile cannot be used, a composite sample of the drummed soil will be collected and submitted for waste profile analysis prior to disposal.

Groundwater will also be containerized in 55-gallon drums and temporarily stored on-site pending results. A composite sample of the water will be collected and submitted for waste profile analysis prior to disposal.

4 REPORTING

4.1 NR 716 Site Investigation Report

Once it is determined that all investigation activities are complete, and soil samples and the first of groundwater samples (at minimum) have been collected to satisfy site investigation requirements for the VPLE program, a report will be compiled in accordance with the requirements of NR 716 to present the findings of the Phase II site investigation. The report will include the WDNR soil boring logs for the soil borings and monitoring wells installed, monitoring well construction and development forms, and copies of the soil and groundwater analytical results. Tables summarizing the soil and groundwater analytical results and figures showing the locations of the soil borings and monitoring wells will also be included in the report. The report will likely be combined with an NR 722 and NR 724 report that will include the remedial action plan for the property.

5 SCHEDULE

5.1 Drilling Schedule

Once the Work Plan is approved, NRT staff on behalf of Connell Aluminum Properties will begin field work as soon as the Geoprobe drilling contractor is selected and can be scheduled. A Health and Safety Plan (HASP) has been developed for the site investigation work on the property and can be provided, if requested.

FIGURES

N

0 2000 4000

SCALE IN FEET

CONTOUR INTERVAL 10 FEET

SOURCE:
USA Topo Maps. Copyright:© 2011 National Geographic Society, i-cubed

PROPERTY LOCATION MAP

PHASE II ESA-VPLE WORK PLAN-PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

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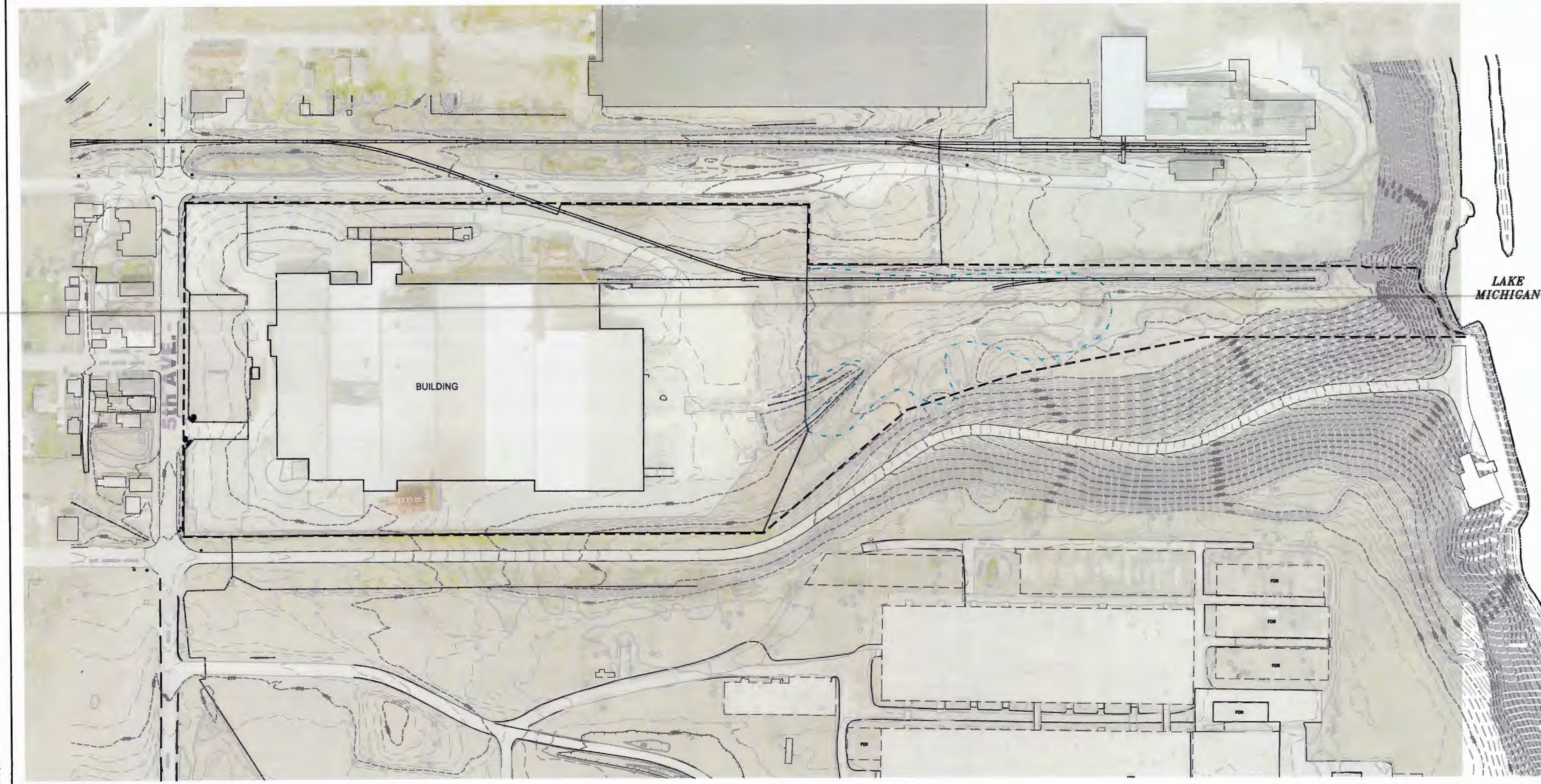
PROJECT NO. 2095/6.0

DRAWING NO. 2095-6-A01C

FIGURE NO. 1

DRAWN: NWD DATE: 01/17/13 CHK'D: JAZ DATE: 01/17/13 APP'D: JAZ DATE: 02/01/13



— — —	APPROXIMATE PROPERTY BOUNDARY
- - - -	WETLAND BOUNDARY

SOURCE NOTES:
1. AERIAL PHOTO FROM MCAMLIS, 2010 HIGH RESOLUTION IMAGERY.
2. TETRA TECH FIGURE 14, EXTENT OF SOIL EXCEEDING INDUSTRIAL DIRECT CONTACT RCL, DATED 2/16/12, 4436D-REVISED-OAK CREEK.DWG.
3. WETLAND BOUNDARY OBTAINED FROM WISCONSIN WETLANDS INVENTORY, DIGITIZED FROM 2005 AERIAL PHOTOGRAPHY.

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CHECKED BY:	JAZ	DATE:	01/17/13
APPROVED BY:	JAZ	DATE:	02/01/13
DRAWING NO:	2095-6-B02C Property Bound		
REFERENCE:	SEE INFO BLOCK		

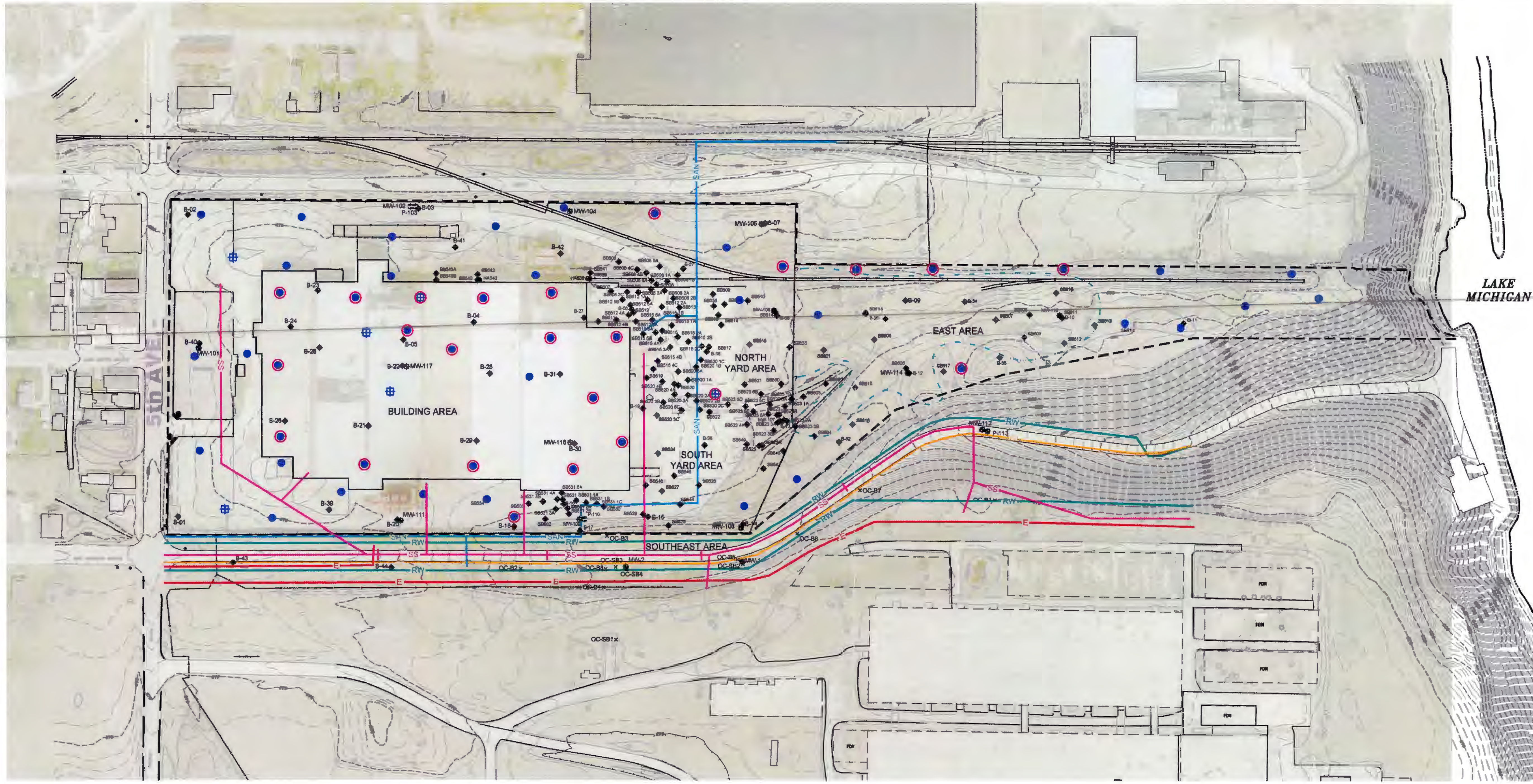
PROPERTY BOUNDARY MAP

PHASE II ESA-VPLE WORK PLAN-PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

NATURAL RESOURCE TECHNOLOGY

PROJECT NO.
2095/6.0

FIGURE NO.
2



APPROXIMATE PROPERTY BOUNDARY	BEAZER AND CONNELL PROPOSED JOINT LOCATION
WETLAND BOUNDARY	CONNELL PROPOSED BORING TO 8 FT
SAN — SANITARY	CONNELL PROPOSED TEMPORARY MONITORING WELL
SS — STORM SEWER	EXISTING MONITORING WELL/PIEZOMETER
G — NATURAL GAS	B-01 SOIL BORING (2010 AND 2011)
RW — RAW WATER	OC-SB1 SOIL BORING (CITY OF OAK CREEK)
E — ELECTRICAL	SB505 SOIL BORING LOCATION (2012)
	HA539 HAND AUGER LOCATION (2012)

SOURCE NOTES:

1. AERIAL PHOTO FROM MCAMLIS, 2010 HIGH RESOLUTION IMAGERY.
2. TETRA TECH FIGURE 14, EXTENT OF SOIL EXCEEDING INDUSTRIAL DIRECT CONTACT RCL, DATED 2/16/12, 4436D-REVISED-OAK CREEK.DWG.
3. WETLAND BOUNDARY OBTAINED FROM WISCONSIN WETLANDS INVENTORY, DIGITIZED FROM 2005 AERIAL PHOTOGRAPHY.
4. TETRA TECH FIGURE 11, PROPOSED INVESTIGATION/SAMPLING LOCATIONS, DATED 11/20/12, FIGURE 11 - PROPOSED INVESTIGATION-SAMPLING LOCATIONS.DWG.

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CHECKED BY: JAZ	DATE: 01/24/13
APPROVED BY: JAZ	DATE: 02/01/13
DRAWING NO: 2095-6-B03C Proposed Invest	
REFERENCE: SEE INFO BLOCK	

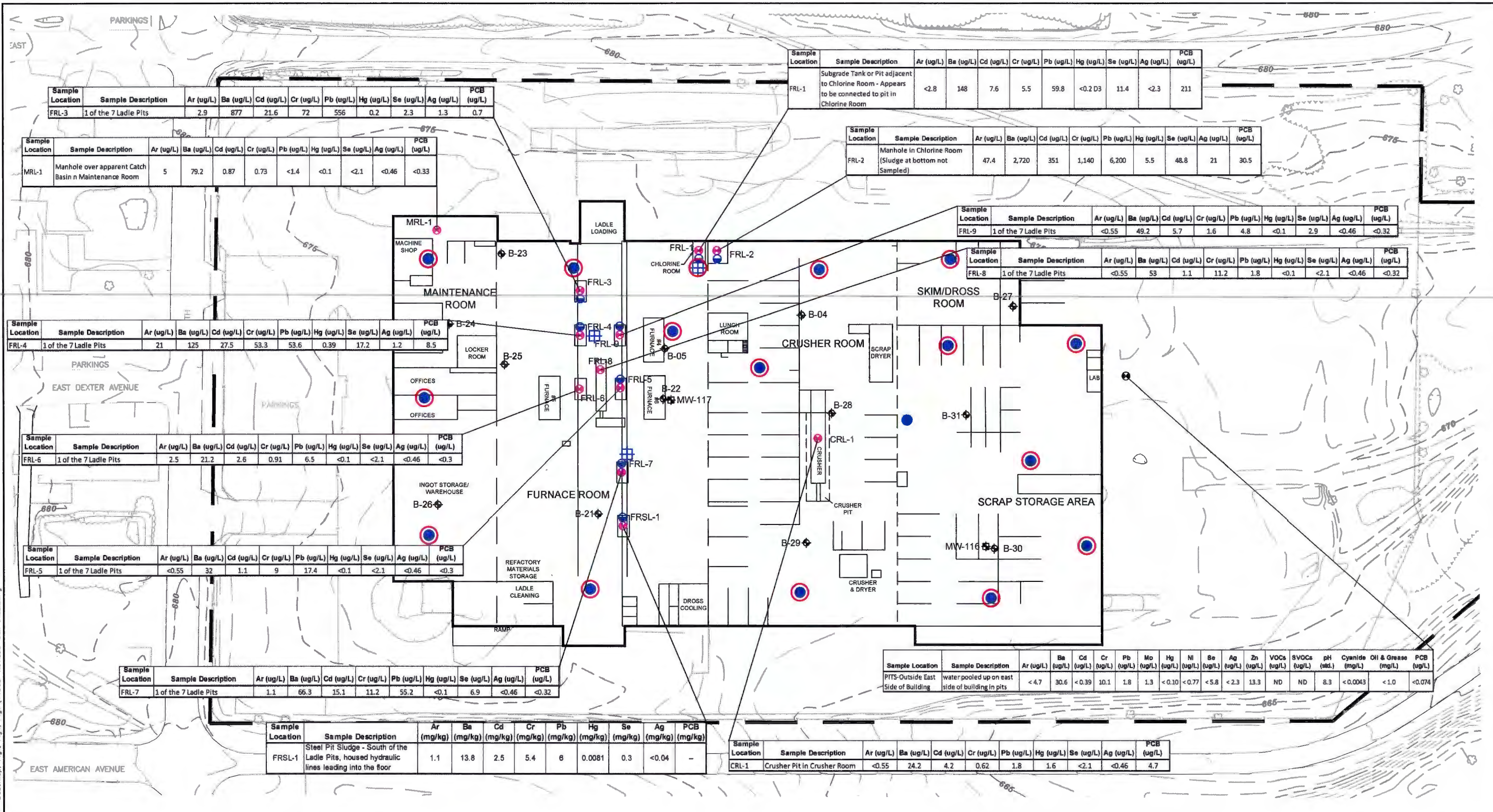
PROPOSED SAMPLING LOCATIONS

PHASE II ESA-VPLE WORK PLAN-PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

NATURAL RESOURCE TECHNOLOGY

PROJECT NO.
2095/6.0

FIGURE NO.
3



Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-3	1 of the 7 Ladle Pits	2.9	877	21.6	72	556	0.2	2.3	1.3	0.7

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
MRL-1	Manhole over apparent Catch Basin n Maintenance Room	5	79.2	0.87	0.73	<1.4	<0.1	<2.1	<0.46	<0.33

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-1	Subgrade Tank or Pit adjacent to Chlorine Room - Appears to be connected to pit in Chlorine Room	<2.8	148	7.6	5.5	59.8	<0.2 D3	11.4	<2.3	211

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-2	Manhole in Chlorine Room (Sludge at bottom not Sampled)	47.4	2,720	351	1,140	6,200	5.5	48.8	21	30.5

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-9	1 of the 7 Ladle Pits	<0.55	49.2	5.7	1.6	4.8	<0.1	2.9	<0.46	<0.32

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-8	1 of the 7 Ladle Pits	<0.55	53	1.1	11.2	1.8	<0.1	<2.1	<0.46	<0.32

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-4	1 of the 7 Ladle Pits	21	125	27.5	53.3	53.6	0.39	17.2	1.2	8.5

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-6	1 of the 7 Ladle Pits	2.5	21.2	2.6	0.91	6.5	<0.1	<2.1	<0.46	<0.3

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-5	1 of the 7 Ladle Pits	<0.55	32	1.1	9	17.4	<0.1	<2.1	<0.46	<0.3

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Mo (ug/L)	Hg (ug/L)	Ni (ug/L)	Be (ug/L)	Ag (ug/L)	Zn (ug/L)	VOCs (ug/L)	SVOCs (ug/L)	pH (std.)	Cyanide (mg/L)	Oil & Grease (mg/L)	PCB (ug/L)
PITS-Outside East Side of Building	water pooled up on east side of building in pits	< 4.7	30.6	< 0.39	10.1	1.8	1.3	< 0.10	< 0.77	< 5.8	< 2.3	13.3	ND	ND	8.3	< 0.0043	< 1.0	<0.074

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
FRL-7	1 of the 7 Ladle Pits	1.1	66.3	15.1	11.2	55.2	<0.1	6.9	<0.46	<0.32

Sample Location	Sample Description	Ar (mg/kg)	Ba (mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Pb (mg/kg)	Hg (mg/kg)	Se (mg/kg)	Ag (mg/kg)	PCB (mg/kg)
FRSL-1	Steel Pit Sludge - South of the Ladle Pits, housed hydraulic lines leading into the floor	1.1	13.8	2.5	5.4	6	0.0081	0.3	<0.04	–

Sample Location	Sample Description	Ar (ug/L)	Ba (ug/L)	Cd (ug/L)	Cr (ug/L)	Pb (ug/L)	Hg (ug/L)	Se (ug/L)	Ag (ug/L)	PCB (ug/L)
CRL-1	Crusher Pit in Crusher Room	<0.55	24.2	4.2	0.62	1.8	1.6	<2.1	<0.46	4.7

EXISTING MONITORING WELL/PIEZOMETER
B-30 SOIL BORING (2010 AND 2011)
PIT LIQUID SAMPLE LOCATION (BY NRT, MAY 2012)
MRL-1 LIQUID/SLUDGE SAMPLE LOCATION (2010)
APPROXIMATE PROPERTY BOUNDARY
BEAZER AND CONNELL PROPOSED JOINT LOCATION
CONNELL PROPOSED BORING TO 8 FT
CONNELL PROPOSED TEMPORARY MONITORING WELL
CONNELL PROPOSED PIT BASE SOIL SAMPLE

SOURCE NOTES:
1. TETRA TEC FIGURE 14, EXTENT OF SOIL EXCEEDING INDUSTRIAL DIRECT CONTACT RCL, DATED 2/16/12, 4436D-REVISED-OAK CREEK.DWG.
2. RMT FIGURE 4, INTERIOR FLOOR, PAINT, AND WIPE SAMPLING, DATED 8/2/2010, FROM SEGMENT 001 OF PHASE II SITE INVESTIGATION REPORT.
3. TRC FIGURE 3, INTERIOR FLOOR, PAINT, WIPE, AND GRAB SAMPLING, DATED FEBRUARY 2012, FROM REMEDIATION PLAN FORMER WABASH FACILITY DRAFT REPORT.
4. TETRA TECH FIGURE 11, PROPOSED INVESTIGATION/SAMPLING LOCATIONS, DATED 11/20/12, FIGURE 11 - PROPOSED INVESTIGATION-SAMPLING LOCATIONS.DWG.

N

0 50 100
SCALE IN FEET

DRAWN BY: NWD DATE: 01/24/13
CHECKED BY: JAZ DATE: 01/24/13
APPROVED BY: JAZ DATE: 02/01/13
DRAWING NO: 2095-6-B04C
REFERENCE: .

PROPOSED SAMPLING LOCATIONS WITHIN BUILDING

PHASE II ESA-VPLE WORK PLAN-PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

NATURAL RESOURCE TECHNOLOGY

PROJECT NO.
2095/6.0

FIGURE NO.
4

TABLES

Table 1. Proposed Sampling and Analysis Plan Summary
Phase II ESA-VPLE Work Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Type (Location)	Proposed Number of Sampling Locations	Depth (feet)	Parameter	Method	Estimated Sample Quantity [3]	Container Type	Minimum Volume	Preservation (Cool to ≤ 6° All Samples)	Holding Time from Sample Date
Soil (Outside Building) - Borings and Well locations	37	0-2 and 4-6 (2 per location) [5,6]	PCBs	8082	74	glass vial	4 oz.		14 days to extract, 40 days to analyze
								if kept cool or frozen	1 year, guidance
		0-2 or 2-4 (1 per location, up to max. #) [6]	Metals [4]	6020A/7471 mercury	25 max.	plastic	5 oz.		6 mo./ 28 days mercury
Soil (Inside Building) - Borings and Well locations	19	0-2 and 4-6 (2 per location) [5,6]	PCBs	8082	38	glass vial	4 oz.		14 days to extract, 40 days to analyze
								if kept cool or frozen	1 year, guidance
		0-2 or 2-4 (1 per location, up to max. #) [6]	Metals [4]	6020A/7471 mercury	12 max.	plastic	5 oz.		6 mo./ 28 days mercury
		3 samples adjacent to pits, below liquid level (screened interval at temp wells)	PCBs & Metals as above		3				
Soil (Inside Building below pits)	8	8 samples at base of ladle & chlorine room [7] (with excavator bucket)	PCBs & Metals as above		8				
Groundwater - Temporary Wells [1]	6		PCBs	8082	12	amber glass	min.1 L		7 days to extract, 40 days to analyze
			Metals [4]	6020A/7471 mercury	12	plastic	500 ml	HNO3 to pH <2	6 mo./ 28 days mercury
Groundwater - Mon. Wells & Piezometers [2]	15		PCBs	8082	30	amber glass	min.1 L		7 days to extract, 40 days to analyze
			Metals [4]	6020A/7471 mercury	30	plastic	500 ml	HNO3 to pH <2	6 mo./ 28 days mercury

Notes:
1. Groundwater monitoring will be 2 rounds following temporary well installation, followed by abandonment if below NR 140 enf. standards.
2. Groundwater monitoring will be 2 rounds of 15 existing wells on-site.
3. Field duplicates will be collected at a frequency of one per round of water samples and one per group of fifty or fewer investigative soil samples.
4. Metals analyses include: arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver (8 RCRA metals), aluminum, copper, nickel, and zinc.
5. If 0-2 ft sample has been previously collected at the location, then 2-4 ft sample will be collected (ie locations B-02, B-05, B-18 and B-40).
6. Depending on the results from initial samples, additional sample intervals may be submitted for analysis.
7. Ladle pits and chlorine room pits are estimated to be 8-10 feet deep.

Table 2. Pit Liquid Sample Analytical Results - PCBs and Metals

Phase II ESA-VPLE Work Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Description	Sample Date	Arsenic (ug/L)	Barium (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Copper (ug/L)	Lead (ug/L)	Molybdenum (ug/L)	Nickel (ug/L)	Mercury (ug/L)	Selenium (ug/L)	Silver (ug/L)	Zinc (ug/L)	PCB, Total (ug/L)
RCRA Hazardous Waste Level			5,000	100,000	1,000	5,000	--	5,000	--	--	200	1,000	5,000	--	--
NR 140 Enforcement Standard (ES)			**10**	**2,000**	**5**	**100**	**1,300**	**15**	**40**	**100**	**2**	**50**	**50**	**5,000**	**0.03**
PITS-Outside East Side of Building	Pits on east side of building	5/18/2012	< 4.7	30.6	< 0.39	--	10.1	1.8	1.3	< 0.77	< 0.10	< 5.8	< 2.3	13.3	< 0.074
CRL-1	Crusher Pit in Crusher Room	5/20/2010	< 0.55	24.2	4.2	0.62	--	1.8	--	--	1.6	< 2.1	< 0.46	--	**4.7**
FRL-1	Subgrade Tank adjacent to Chlorine Room	5/20/2010	< 2.8	148	**7.6**	5.5	--	**59.8**	--	--	< 0.2	11.4	< 2.3	--	**211**
FRL-2	Manhole in Chlorine Room (Sludge at bottom not Sampled)	5/20/2010	**47.4**	**2,720**	**351**	**1,140**	--	**6,200**	--	--	**5.5**	48.8	21	--	**30.5**
FRL-3	1 of the 7 Ladle Pits	5/20/2010	2.9	877	**21.6**	72	--	**556**	--	--	0.2	2.3	1.3	--	**0.7**
FRL-4	1 of the 7 Ladle Pits	5/20/2010	**21**	125	**27.5**	53.3	--	**53.6**	--	--	0.39	17.2	1.2	--	**8.5**
FRL-5	1 of the 7 Ladle Pits	5/21/2010	< 0.55	32	1.1	9	--	**17.4**	--	--	< 0.1	< 2.1	< 0.46	--	< 0.3
FRL-6	1 of the 7 Ladle Pits	5/21/2010	2.5	21.2	2.6	0.91	--	6.5	--	--	< 0.1	< 2.1	< 0.46	--	< 0.3
FRL-7	1 of the 7 Ladle Pits	5/21/2010	1.1	66.3	**15.1**	11.2	--	**55.2**	--	--	< 0.1	6.9	< 0.46	--	< 0.32
FRL-8	1 of the 7 Ladle Pits	5/21/2010	< 0.55	53	1.1	1.8	--	1.8	--	--	< 0.1	< 2.1	< 0.46	--	< 0.32
FRL-9	1 of the 7 Ladle Pits	5/21/2010	< 0.55	49.2	**5.7**	1.6	--	4.8	--	--	< 0.1	2.9	< 0.46	--	< 0.32
FRL-9 DUP	FRL-9	5/21/2010	0.62	48.4	**5.7**	1.6	--	5.1	--	--	< 0.1	2.7	< 0.46	--	< 0.32
MRL-1	Manhole over apparent Catch Basin (Maintenance Room)	5/21/2010	5	79.2	0.87	0.73	--	< 1.4	--	--	< 0.1	<2.1	< 0.46	--	< 0.33

Notes:
1) Parameters that attain or exceed the NR 140 Enforcement Standard are bold.
2) Parameters that attain or exceed the RCRA Hazardous Waste Level are underlined.
< 0.5 : Parameter not detected above the Limit of Detection indicated.
DUP : Duplicate sample
-- : Analysis not performed.

APPENDIX A

PROPERTY DEED

QUITCLAIM DEED

THIS INDENTURE, Made as of the 26th day of June, 1987, between VULCAN MATERIALS COMPANY, a Corporation duly organized and existing under and by virtue of the laws of the State of New Jersey and authorized to do business in Wisconsin ("Grantor"), and CONNELL LIMITED PARTNERSHIP, a Limited Partnership under the laws of the State of Delaware ("Grantee").

WITNESSETH, That the said Grantor, for and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration to it in hand paid by the said Grantee, the receipt whereof is hereby confessed and acknowledged, has remised, released, quitclaimed and conveyed, and by these presents does remise, release, quitclaim and convey unto Grantee, its successors and assigns forever all of Grantor's right, title, and interest in and to the following described real estate, situated in the County of Milwaukee and State of Wisconsin, to-wit:

SEE EXHIBIT A ATTACHED HERETO AND MADE A PART HEREOF.

Subject, however, to (i) the lien for current year taxes not yet due and payable and (ii) easements, restrictions, rights of way and all other matters of public record.

TO HAVE and TO HOLD unto Grantee, and to its successors and assigns FOREVER.

IN WITNESS WHEREOF, Grantor has caused this instrument to be executed and attested by its duly authorized officers as of the 26th day of June, 1987.

VULCAN MATERIALS COMPANY

By Peter J. Clemens, III
Peter J. Clemens, III
Its Senior Vice President

ATTEST:

By [signature]
Its Assistant Secretary

STATE OF ALABAMA)
JEFFERSON COUNTY)

Personally came before me, a Notary Public in and for the said State and County, this 25th day of June, 1987, Peter J. Clemens, III, Senior Vice President, and J. O. Screven, Assistant Secretary, of the above named corporation, Vulcan Materials Company, known to me to be the persons who executed the foregoing instrument and to me known to be such Senior Vice President and Assistant Secretary of said corporation, and acknowledged that they executed the foregoing instrument as such officers, as the deed of said corporation, by its authority.

Martha C. Wetticher

Notary Public
My Commission Expires MY COMMISSION EXPIRES AUGUST 9, 1988

THIS INSTRUMENT PREPARED BY BOBBY C. UNDERWOOD, ATTORNEY AT LAW, BRADLEY, ARANT, ROSE & WHITE, 1400 PARK PLACE TOWER, BIRMINGHAM, ALABAMA 35203

Exhibit A
to
QUITCLAIM DEED DATED JUNE 26 1987
(Vulcan Materials Company to Connell
Limited Partnership)

I.

All that part of the North West 1/4 and South West 1/4 of Section 24, Township 5 North, Range 22 East, in the City of Oak Creek, Milwaukee County, Wisconsin, bounded and described as follows:

Commencing at the West 1/4 corner of said Section 24; thence North 0°01'45" West along the West line of said North West 1/4 Section, 112.70 feet; thence North 89°29'30" East along the South right-of-way line of East Depot Road and the North line of Block 2 in Erbacher & Gottschalk's Subdivision 1182.63 feet to a point 13.00 feet East of the Northwest corner of Lot 35 in said subdivision; thence South 0°01'45" East, 110.05 feet; thence North 89°17'04" East along a line 1.63 feet South of an parallel to the South line of the aforesaid South West 1/4 Section 1172.45 feet to the shore of Lake Michigan (as of March 16, 1987); thence South 17°14'44" East along the Shore of Lake Michigan 147.24 feet; thence South 88°52'00" West, 445.00 feet; thence South 78°29'00" West, 358.32 feet; thence South 70°21'00" West, 219.65 feet; thence South 52°23'00" West, 367.17 feet; thence South 88°52'00" West, 1104.87 feet to a point in the West line of the South West 1/4 of said Section 24; thence due North along said West line 503.65 feet to the place of beginning. Excepting therefrom the West 33 feet for Public Roadway purposes.

ALSO, an Easement for ingress and egress over the following:

Beginning at a point in the West line of Section 24, Township 5 North, Range 22 East, in the City of Oak Creek, Milwaukee County, Wisconsin, said point being 516.30 feet South of the Southwest corner of the North West 1/4 of said Section 24, thence South 64°30' East for a distance of 189.50 feet to a point; thence North 88°52' East for a distance of 804 feet to a point; thence North 52°23' East for a distance of 163.83 feet to a point; thence South 88°52' West for a distance of 1104.87 feet (described as 1095.61 feet) to a point in the West line of said Section 24; thence South along the West line of said Section 24 for a distance of 12.46 feet (described as 16.84 feet) to the point of beginning.

II.

ALSO, the following described property, less and except the above described parcel, it being Grantor's intent and purpose herein to describe and convey to Grantee any and all of that real property still owned by Grantor that was previously conveyed to Grantor herein by Rosalyn G. Levin, trustee, et al. under that certain warranty deed dated July 12, 1968, and recorded at Reel 4291, Image 1339–1341 in the Register's Office, Milwaukee County, Wisconsin:

(See description, page 2, of this Exhibit A)

Lots 1 to 34 inclusive, and the West 13 feet of Lot 35, all in Block 2, Erbacher & Gottschalk's Subdivision in the Northwest Quarter, Section 24, Township 5 North, Range 22 East, in the City of Oak Creek, County of Milwaukee and State of Wisconsin;

ALSO, a piece of land in the Northwest Quarter, Section 24, Township 5 North, Range 22 East, in the City of Oak Creek, bounded and described as follows: Commencing at a point in the South line of said Quarter Section 213 feet East of the Southwest corner of said Quarter Section; running thence East along the South line of said Quarter Section 60 feet to a point; thence North on a line and parallel with the West line of said Quarter Section to a point in the South line of the United States Road; thence running West and along the South line of said United States Road 60 feet to a point; thence running South on a line and parallel to West line of said Quarter Section to the point of beginning.

AND

A piece of land in the South half of Section 24, Township 5 North, Range 22 East, in the City of Oak Creek, bounded and described as follows: Commencing at the Quarter Section corner in the West line of said Section 24, said point being the Southwest corner of Block 2 of Erbacher & Gottschalk's Subdivison, running thence East along the South line of said Block 2 of Erbacher & Gottschalk's Subdivision 1,182.67 feet to a point which is 13 feet East of the West line of Lot 35, Block 2, Erbacher & Gottschalk's Subdivision; thence South 1.63 feet; thence North 88°52' East 1,188.25 feet to the shore of Lake Michigan; thence South 9°26' East along the shore line of Lake Michigan 80.85 feet to a point; thence South 16°3' East along the shore of Lake Michigan 72.44 feet more or less to a point, which point is 157.41 feet south of a point in the north line of the South West 1/4 of said Section 24, said point in the north line of said 1/4 section being 2370.92 feet North 88°52' East of the Northwest corner of said South West 1/4 section; thence South 88°52' West 445 feet to a point; thence South 1°8' East 71.25 feet to a point; thence South 51°10' West, 123 feet to a point; thence North 73°21' West 268 feet to a point; thence South 70°21' West 219.65 feet to a point; thence South 52°23' West 531 feet to a point; thence South 88°52' West 804 feet to a point; thence North 64°30' West 189.50 feet to a point in the West line of said Section 24; thence North along the West line of Section 24, 516.31 feet to the point of beginning. Excepting, however, the land conveyed in Volume 1529, Page 372, as Document No. 2203307 and in Reel 651, Image 1690, as Document No. 4674018.

AND

An easement for ingress and egress over the following: Beginning at a point in the West line of Section 24-5-22, City of Oak Creek, Milwaukee County, Wisconsin, said point being 516.30 feet South of the Southwest corner of the Northwest quarter of said Section 24-5-22; thence South 64°30' East for a distance of 189.50 feet to a point; thence North 88°52' East for a distance of 804 feet to a point; thence North 52°23' East for a distance of 163.83 feet to a point; thence South 88°52' West for a distance of 1095.61 feet to a point in the West line of said Section 24-5-22; thence South along the West line of said Section 24-5-22 for a distance of 16.84 feet to the point of beginning.

APPENDIX B

CONCLUSIONS AND RECOMMENDATIONS FROM THE PHASE I ESA

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
FOR
THE CONNELL ALUMINUM SITE
9100 SOUTH 5TH AVENUE
OAK CREEK, MILWAUKEE COUNTY, WISCONSIN

NPL STATUS: NON-NPL

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

CITY OF OAK CREEK
8640 South Howell Avenue
Oak Creek, Wisconsin 53154

Prepared by:

WESTON SOLUTIONS, INC.
2501 Jolly Road, Suite 100
Okemos, Michigan 48864

Date Prepared	November 19, 2009
TDD Number	S05-0008-0909-002
Document Control Number	758-2A-AFBJ
Contract Number	EP-S5-06-04
START Project Manager	Katie Mooney
Telephone Number	(517) 381-5934
U.S. EPA Targeted Brownfields Assessment Coordinator	Brad Stimple

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
FOR
THE CONNELL ALUMINUM SITE
9100 SOUTH 5TH AVENUE
OAK CREEK, MILWAUKEE COUNTY, WISCONSIN

NPL STATUS: NON-NPL

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8640 South Howell Avenue
Oak Creek, Wisconsin 53154

Prepared by:

WESTON SOLUTIONS, INC.
2501 Jolly Road, Suite 100
Okemos, Michigan 48864

November 19, 2009

Prepared by: ______________________ Date: ____________
Joseph Klemp
START Project Scientist

Reviewed by: ______________________ Date: ____________
Katie Mooney
START Project Manager

- The facility was previously cited for a PCB release to the soil. Transformers with suspect contents are present in many areas of the facility, and the building is in disrepair with holes in the roof and sides.

7.4 CONCLUSIONS

The following RECs were noted as part of this Phase I ESA:

- Soil and groundwater contamination relating to historic wood treating activities is reported for the Subject Property, which has not been fully defined and remediated to State and Federal Standards.
- Oil staining was noted inside the building, and a tar-like material was noted on the pavement on the south side of the Subject Property.
- A PCB violation was recorded for the Subject Property related to an historic spill. The PCB was remediated to industrial standards. Several oil-filled transformers remain onsite, and the possibility remains for PCB to be present in the site soils.
- The buildings and property are in disrepair, suggesting possible damage to the site equipment, which may or may not have resulted in a release of contaminants.
- Numerous USTs containing petroleum products were recorded as present on the Subject Property at one time. One remediated and closed LUST with soil and water contamination was also recorded for the Subject Property. Vent pipes were noted on the north side of the Subject Property, and there is a possibility for unknown USTs to be present on site. There is a possibility for on-site soil and groundwater contamination associated with these USTs.
- Possible UST vent pipes were observed on the Subject Property during the site reconnaissance. The possible presence of an additional UST with no records of removal and closure is considered a REC.
- Suspect ACM was noted in building materials and as insulation for the blast furnaces used on the Subject Property. Some of the suspect ACM is damaged.
- The presence of sumps and pits inside the building could have resulted in release of liquids containing oil and other substances beneath the building slab.
- Due to the age of the building lead-based paint may be present on the building structure.
- Historically, numerous adjacent properties have had USTs and LUSTs on site. There is the potential for migration of contamination from these LUST sites to the Subject Property.
- Numerous properties have evidence of some degree of VOC, PAH, and/or PCB soil contamination adjacent to, or near, the Subject Property.

- Review of the historical documents provided by EDR indicates the Subject Property has been an industrial facility since 1917 (Deed from Newport Chemical Works to American Tar Products Company). The use of the Subject Property for industrial purposes for over 40 years in addition to other data indicating releases to the soil on the Subject Property represents a REC.
- The EDR database search report identified the Subject Property is listed on several environmental databases included in the search. The information provided in the database search indicated the historic presence of contamination on the Subject Property and are considered RECs for the Subject Property.
- Section 3.3.1 of this Phase I ESA identified 11 sites within the ASTM search distance that were considered possible RECs for the Subject Property due to the possible migration of contaminants onto the Subject Property.

Although not considered RECs, the following items were noted as part of this Phase I ESA:

- An inventory of bulk oil materials was not performed as part of this ESA; however, several drums, storage containers, and used oil filters were observed during the site reconnaissance.
- Three 200- to 500-gallon ASTs were observed during the site reconnaissance. One of the ASTs was marked as "Full," and appeared to contain an oily substance.
- Possible regulated wetlands may be located in the ravine area at the east side of the Subject Property.
- Both municipal and private drinking water wells have been identified within a 1-mile radius of the Subject Property.

7.5 RECOMMENDATIONS

The following recommendations are made as part of this Phase I ESA:

- Phase II investigation activities are recommended to further evaluate the RECs identified as part of this Phase I ESA. The investigation would include and inventory and classification of all containers, surface and subsurface soil sampling, groundwater sampling, sampling waste piles in buildings, and sampling stained areas of the building.
- Investigation the continued presence of the water well identified to be located on the Subject Property on the northwest side of the main building. If the well is no longer in use, or not intended to be used, consideration should be given to the proper

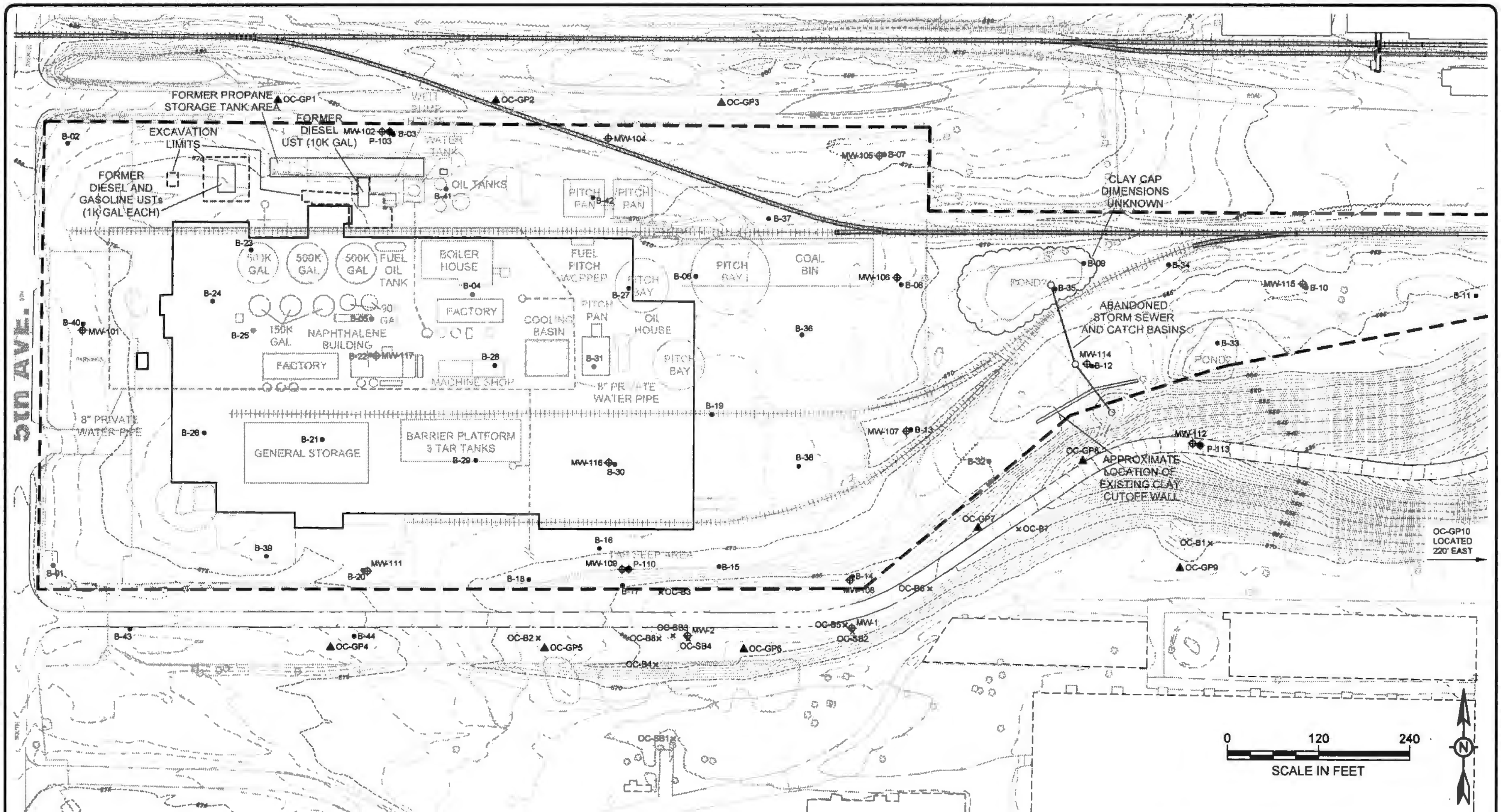
plugging and abandonment of the water well in accordance with applicable regulations.

- Conduct an asbestos survey of the Subject Property, and, if necessary, perform abatement of identified regulated asbestos containing material.
- Conduct additional review of WDNR documentation and interview applicable WDNR project managers for the Subject Property. The document review should include a complete site file review to obtain any additional data available about possible surface, subsurface, surface water, or groundwater contamination at the Subject Property. During the interviews determine if additional regulatory action items are required to bring the Subject Property into compliance with state regulations.
- Once the contents of the containers and ASTs on the Subject Property have been identified properly remove and dispose of them.
- Collect samples of the materials located in the sumps and pits inside the building. Once the contents have been identified properly dispose of the materials. If cracks or other means of release are observed in the bottom of the pits, conduct soil and/or groundwater sampling beneath the pits.

APPENDIX C

LIST OF PAST ENVIRONMENTAL WORK AND PERTINENT MAPS

- August 14, 1980 letter from Vulcan regarding actions to be taken to contain tars discarded in the past, including a clay cut-off wall and clay cap. A map of these locations is attached.
- Vulcan Materials entered into a Consent Agreement and Final Order with the U.S. EPA Region V regarding the investigation and remediation of a PCB release at the property. The Consent Agreement resulted from an uncontrolled discharge of PCB-containing oil from a facility transformer in June 1985. Concentrations were reportedly from 500 to 60,000 mg/kg in soils. Initial clean-up activities failed to reduce the concentration of PCBs within the soil to levels below 50 mg/kg. The area was subsequently remediated in 1986 to concentrations of less than 1 mg/kg (Weston, 2009).
- ~~In 1993, RMT notified WDNR that non-petroleum related contamination was observed in the tank pits during UST removals.~~
- In 1995, Wabash reported a release of creosote to the City of Oak Creek storm sewer to the WDNR. Storm drain abandonment, grading and surface water improvements are documented in a report prepared by RMT dated April 1997.
- An asphaltic pavement cover construction report was prepared by RMT, dated December 3, 1998. A map showing the paved area is attached.
- Two LUST cases were reported and closed including BRRTS#s 03-41-001607 and 03-41-305653. The UST areas (two 1,000-gallon diesel and gasoline USTs and one 10,000-gallon diesel UST), located on the north side of the building, were investigated, remediated and granted closure (1999 and 2007). UST closure reports and closure requests were prepared by RMT, dated 1999 and January 2006. Maps of these UST locations and associated soil excavation work are attached. BRRTS# 03-41-305653 (one 10,000-gallon diesel UST) was closed with the requirement to be listed on the Department's GIS registry for remaining soil and groundwater contamination.
- A Phase I Environmental Site Assessment (ESA) Report was completed by Weston Solutions, Inc. for the United States Environmental Protection Agency, Region V and the City of Oak Creek, dated November 19, 2009.
- RMT performed environmental site assessment activities on behalf of Connell Limited Partnership in 2010. A portion of these investigation results are detailed in a Phase II Site Investigation, dated August 2010. Additional investigation results from an RMT investigation performed in September and October of 2010 are summarized in Natural Resource Technology's Remedial Action Plan for Facility Demolition mentioned below.
- TetraTech, on behalf of Beazer East, conducted a site investigation in late 2011, following a WDNR-approved Site Investigation Work Plan (GeoTrans, 2009). Soil and groundwater data were collected during TetraTech's investigation.
- Natural Resource Technology, Inc. prepared a Remedial Action Plan for Facility Demolition, dated October 2, 2012.
- Natural Resource Technology, Inc. prepared a Soil Remedial Action Plan – PCBs and Metals, dated October 4, 2012.



EXPLANATION

MW-101	WATER TABLE WELL	× OC-SB1	SOIL BORING (CITY OF OAK CREEK)
P-103	NESTED PIEZOMETER	▲OC-GP1	GEOPROBE (CITY OF OAK CREEK)
B-01	SOIL BORING	— — —	APPROXIMATE PROPERTY BOUNDARY

FORMER TAR PLANT STRUCTURES

PAST REMEDIAL ACTIVITIES

TITLE: CONNELL LLC PROPERTY
SITE LAYOUT AND PREVIOUS SAMPLING LOCATIONS

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN
DRAFTED	HJW
PROJECT	117-2201220
DATE	11/13/12

FIGURE: 1

S:\CAD\BEAZER\WABASH\10-16-12\FIGURE 1 - SITE LAYOUT.DWG

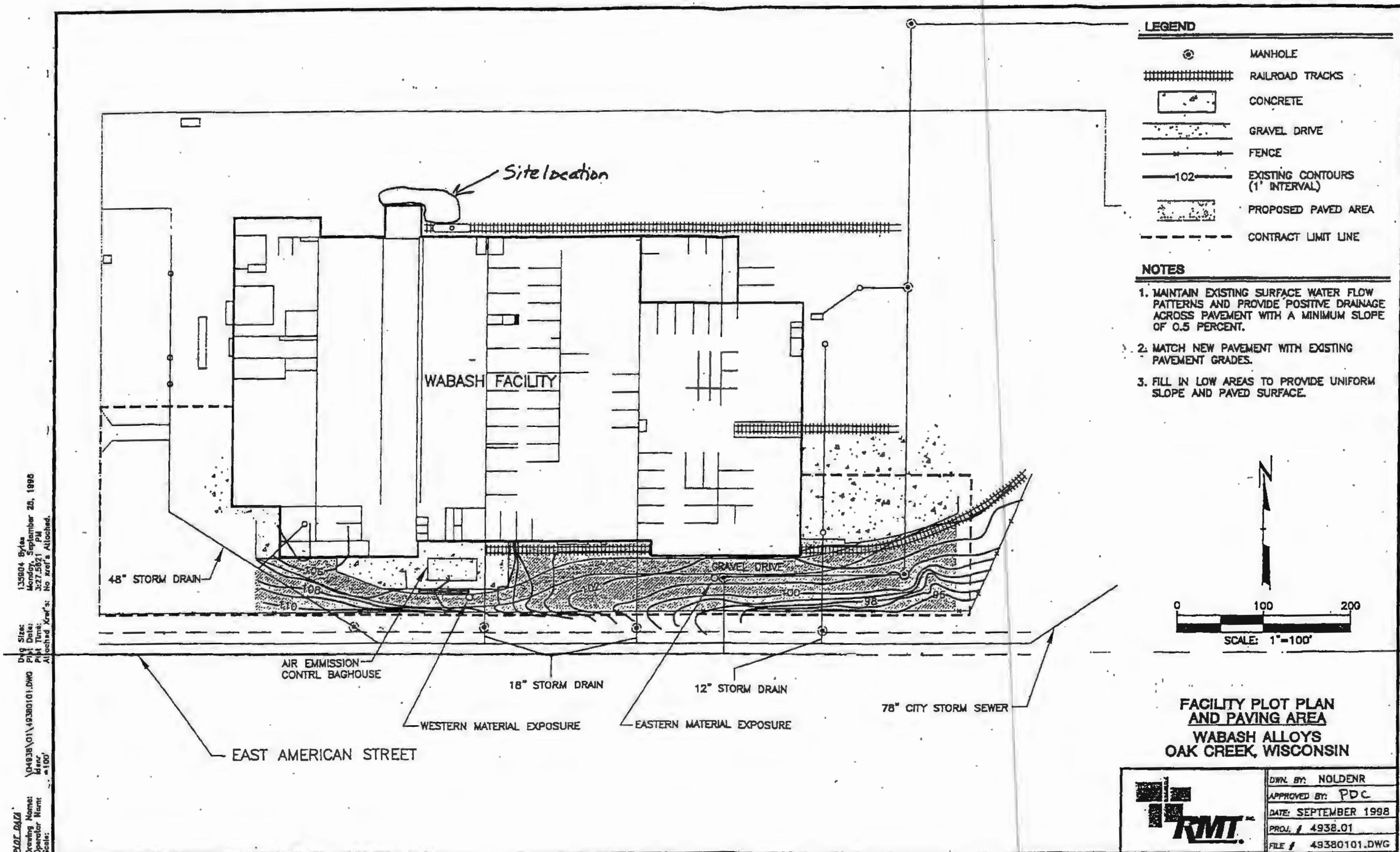
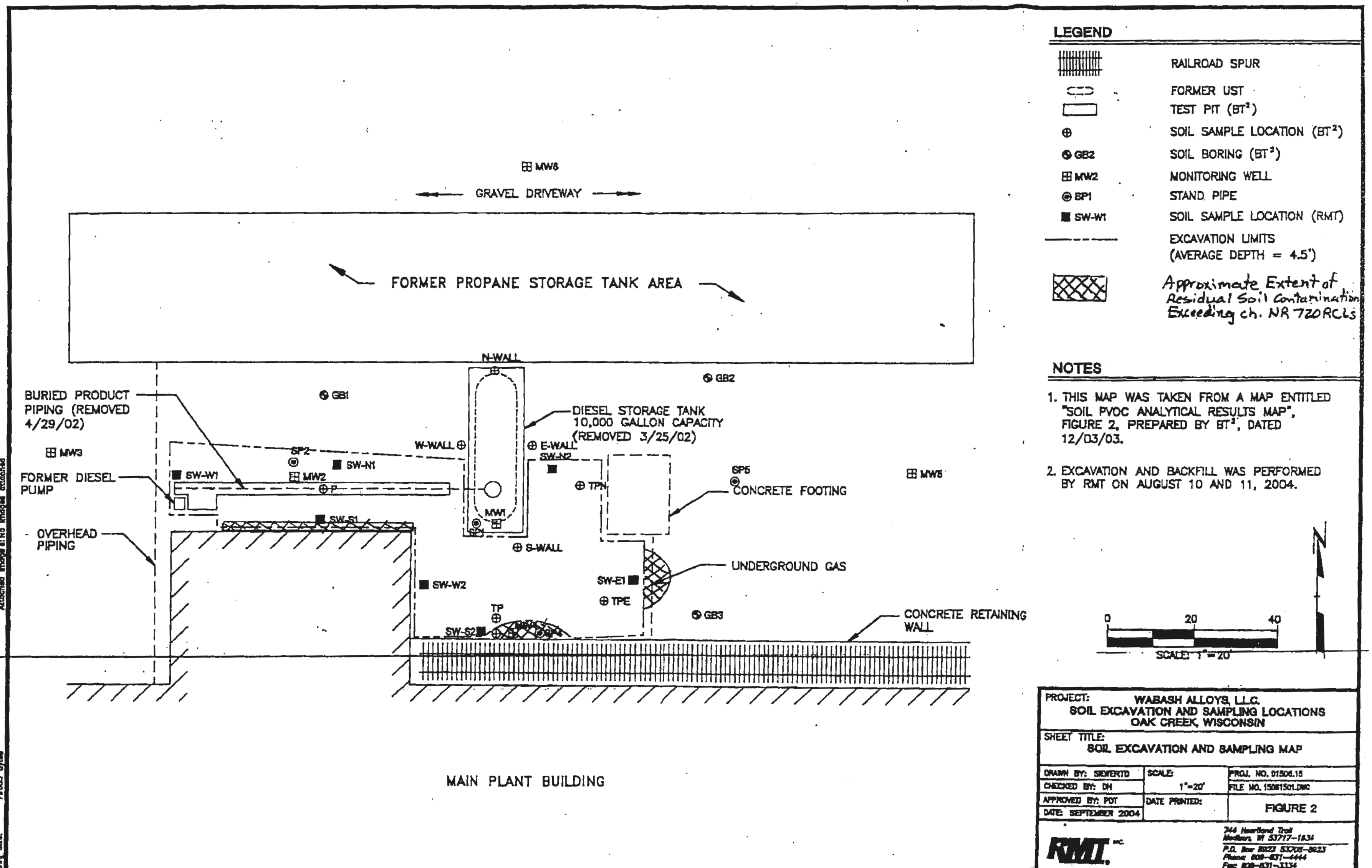
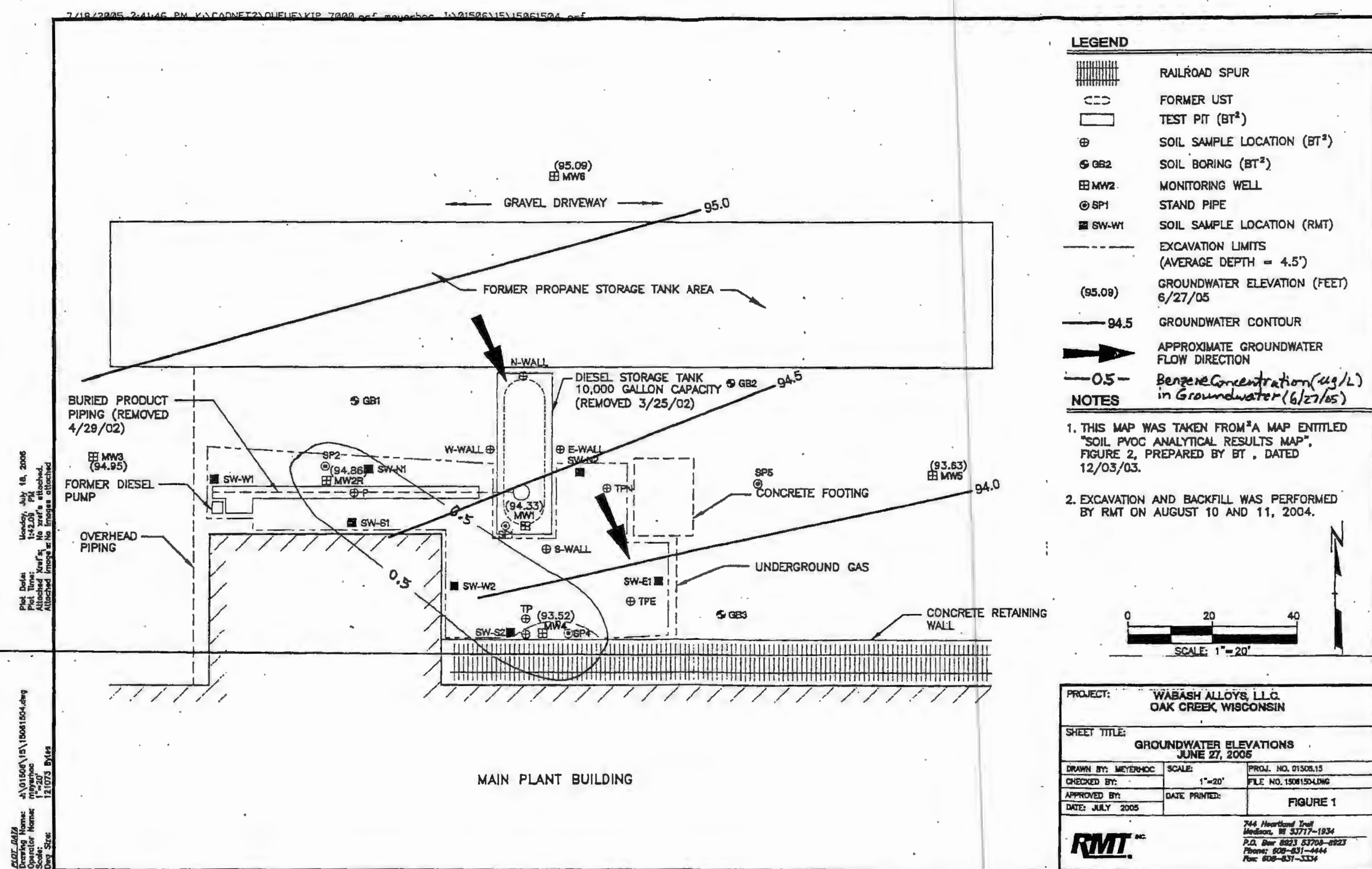

LEGEND
MANHOLE
RAILROAD TRACKS
CONCRETE
GRAVEL DRIVE
FENCE
EXISTING CONTOURS (1' INTERVAL)
102
PROPOSED PAVED AREA
CONTRACT LIMIT LINE
NOTES
1. MAINTAIN EXISTING SURFACE WATER FLOW PATTERNS AND PROVIDE POSITIVE DRAINAGE ACROSS PAVEMENT WITH A MINIMUM SLOPE OF 0.5 PERCENT.
2. MATCH NEW PAVEMENT WITH EXISTING PAVEMENT GRADES.
3. FILL IN LOW AREAS TO PROVIDE UNIFORM SLOPE AND PAVED SURFACE.
Site location
WABASH FACILITY
GRAVEL DRIVE
48" STORM DRAIN
AIR EMMISSION CONTRL BAGHOUSE
18" STORM DRAIN
12" STORM DRAIN
78" CITY STORM SEWER
WESTERN MATERIAL EXPOSURE
EASTERN MATERIAL EXPOSURE
EAST AMERICAN STREET
N
0
100
200
SCALE: 1"=100'
FACILITY PLOT PLAN AND PAVING AREA
WABASH ALLOYS
OAK CREEK, WISCONSIN
RMT
DWN. BY: NOLDENR
APPROVED BY: PDC
DATE: SEPTEMBER 1998
PROJ. # 4938.01
FILE # 49380101.DWG
PLOT DATA
Drawing Name:
Operator Name:
Scale:
Drg Size:
Plot Date:
Plot Time:
Attached Xref's:
135904 Bytes
Monday, September 28, 1998
No Xref's Attached.

FIGURE 1



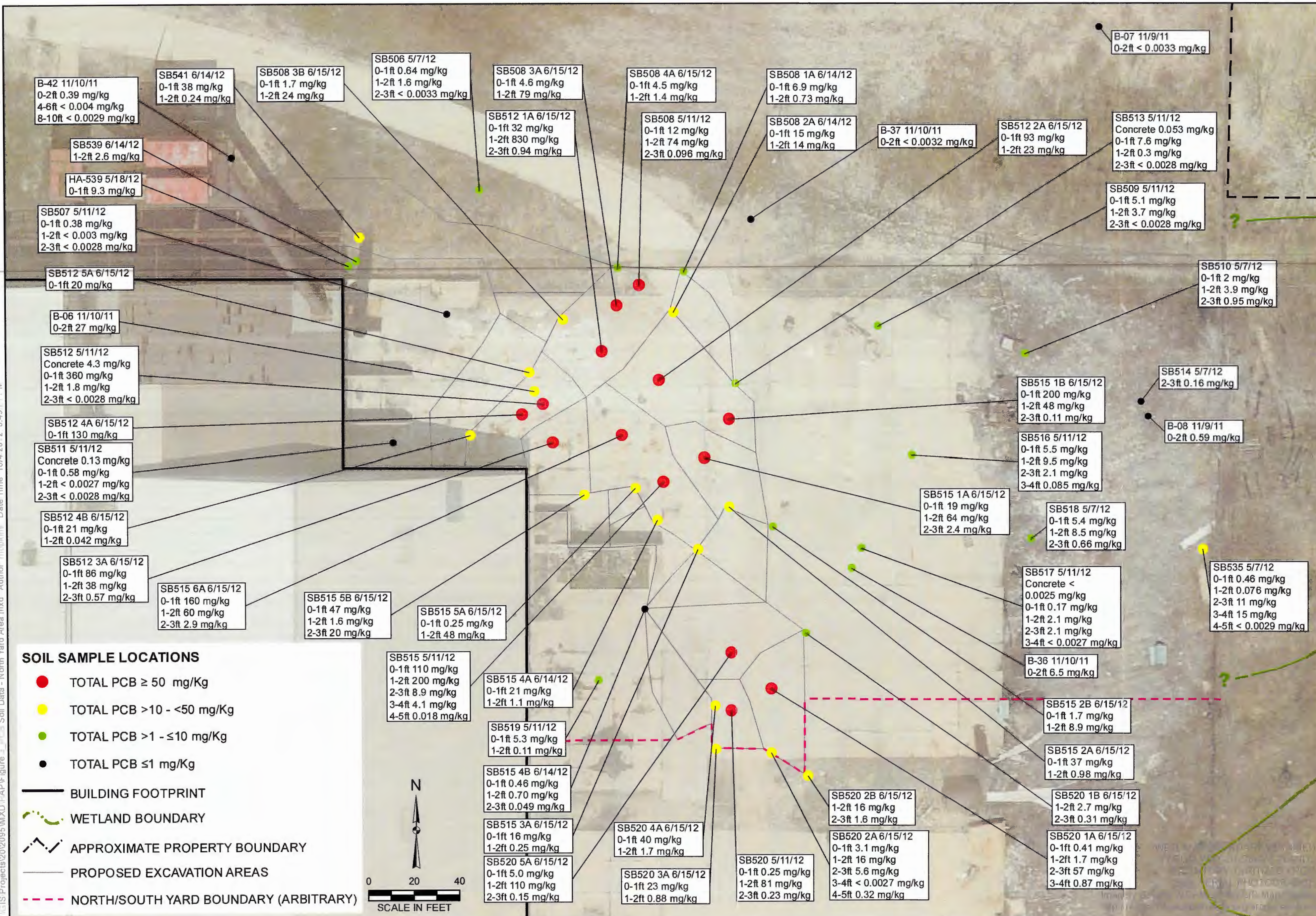
LEGEND
RAILROAD SPUR
FORMER UST
TEST PIT (BT²)
SOIL SAMPLE LOCATION (BT²)
GB2 SOIL BORING (BT²)
MW2 MONITORING WELL
SP1 STAND PIPE
SW-W1 SOIL SAMPLE LOCATION (RMT)
EXCAVATION LIMITS (AVERAGE DEPTH = 4.5')
Approximate Extent of Residual Soil Contamination Exceeding ch. NR 720 RCLs
NOTES
1. THIS MAP WAS TAKEN FROM A MAP ENTITLED "SOIL PVOC ANALYTICAL RESULTS MAP", FIGURE 2, PREPARED BY BT², DATED 12/03/03.
2. EXCAVATION AND BACKFILL WAS PERFORMED BY RMT ON AUGUST 10 AND 11, 2004.
MW8
GRAVEL DRIVEWAY
FORMER PROPANE STORAGE TANK AREA
N-WALL
GB2
GB1
BURIED PRODUCT PIPING (REMOVED 4/29/02)
DIESEL STORAGE TANK 10,000 GALLON CAPACITY (REMOVED 3/25/02)
W-WALL
E-WALL
SW-N2
MW3
SP2
SW-N1
SP5
MW5
FORMER DIESEL PUMP
SW-W1
MW2
P
TPN
CONCRETE FOOTING
MW1
SW-S1
OVERHEAD PIPING
S-WALL
UNDERGROUND GAS
SW-W2
SW-E1
TPE
TP
GB3
SW-S2
CONCRETE RETAINING WALL
0 20 40
SCALE: 1" = 20'
N
MAIN PLANT BUILDING
PROJECT: WABASH ALLOYS, L.L.C. SOIL EXCAVATION AND SAMPLING LOCATIONS OAK CREEK, WISCONSIN
SHEET TITLE: SOIL EXCAVATION AND SAMPLING MAP
DRAWN BY: SIEFERTD
CHECKED BY: DH
APPROVED BY: PDT
DATE: SEPTEMBER 2004
SCALE: 1"=20'
DATE PRINTED:
PROJ. NO. 01506.15
FILE NO. 1508150l.DWG
FIGURE 2
RMT INC.
744 Heartland Trail Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334



LEGEND
RAILROAD SPUR
FORMER UST
TEST PIT (BT²)
SOIL SAMPLE LOCATION (BT²)
GB2 SOIL BORING (BT²)
MW2 MONITORING WELL
SP1 STAND PIPE
SW-W1 SOIL SAMPLE LOCATION (RMT)
EXCAVATION LIMITS (AVERAGE DEPTH = 4.5')
(95.09) GROUNDWATER ELEVATION (FEET) 6/27/05
94.5 GROUNDWATER CONTOUR
APPROXIMATE GROUNDWATER FLOW DIRECTION
0.5 Benzene Concentration (ug/L) in Groundwater (6/27/05)
NOTES
1. THIS MAP WAS TAKEN FROM A MAP ENTITLED "SOIL PVOC ANALYTICAL RESULTS MAP", FIGURE 2, PREPARED BY BT, DATED 12/03/03.
2. EXCAVATION AND BACKFILL WAS PERFORMED BY RMT ON AUGUST 10 AND 11, 2004.
(95.09) MW6
GRAVEL DRIVEWAY
95.0
FORMER PROPANE STORAGE TANK AREA
N-WALL
DIESEL STORAGE TANK 10,000 GALLON CAPACITY (REMOVED 3/25/02)
GB2
94.5
BURIED PRODUCT PIPING (REMOVED 4/29/02)
GB1
MW3 (94.95)
FORMER DIESEL PUMP
SW-W1
SP2
(94.86) SW-N1
MW2R
W-WALL
E-WALL
SW-N2
SP5
(93.63) MW5
94.0
TPN
CONCRETE FOOTING
(94.33) MW1
0.5
SW-S1
S-WALL
OVERHEAD PIPING
UNDERGROUND GAS
0.5
SW-W2
SW-E1
TPE
TP (93.52)
MW4
SW-S2
SP4
GB3
CONCRETE RETAINING WALL
MAIN PLANT BUILDING
0 20 40
SCALE: 1"=20'
N
PROJECT: WABASH ALLOYS, LLC. OAK CREEK, WISCONSIN
SHEET TITLE: GROUNDWATER ELEVATIONS JUNE 27, 2005
DRAWN BY: MEYERHOC
SCALE: 1"=20'
PROJ. NO. 01506.15
CHECKED BY:
FILE NO. 15061504.DWG
APPROVED BY:
DATE PRINTED:
DATE: JULY 2005
FIGURE 1
RMT INC.
744 Heartland Trail Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

APPENDIX D

PCBS IN SOIL DATA MAPS AND DATA SUMMARIZED BY NRT



DRAWN BY/DATE:
TDC/RLH 9/19/12
REVIEWED BY/DATE:
JAZ 9/19/12
APPROVED BY/DATE:
JAZ 10/3/12

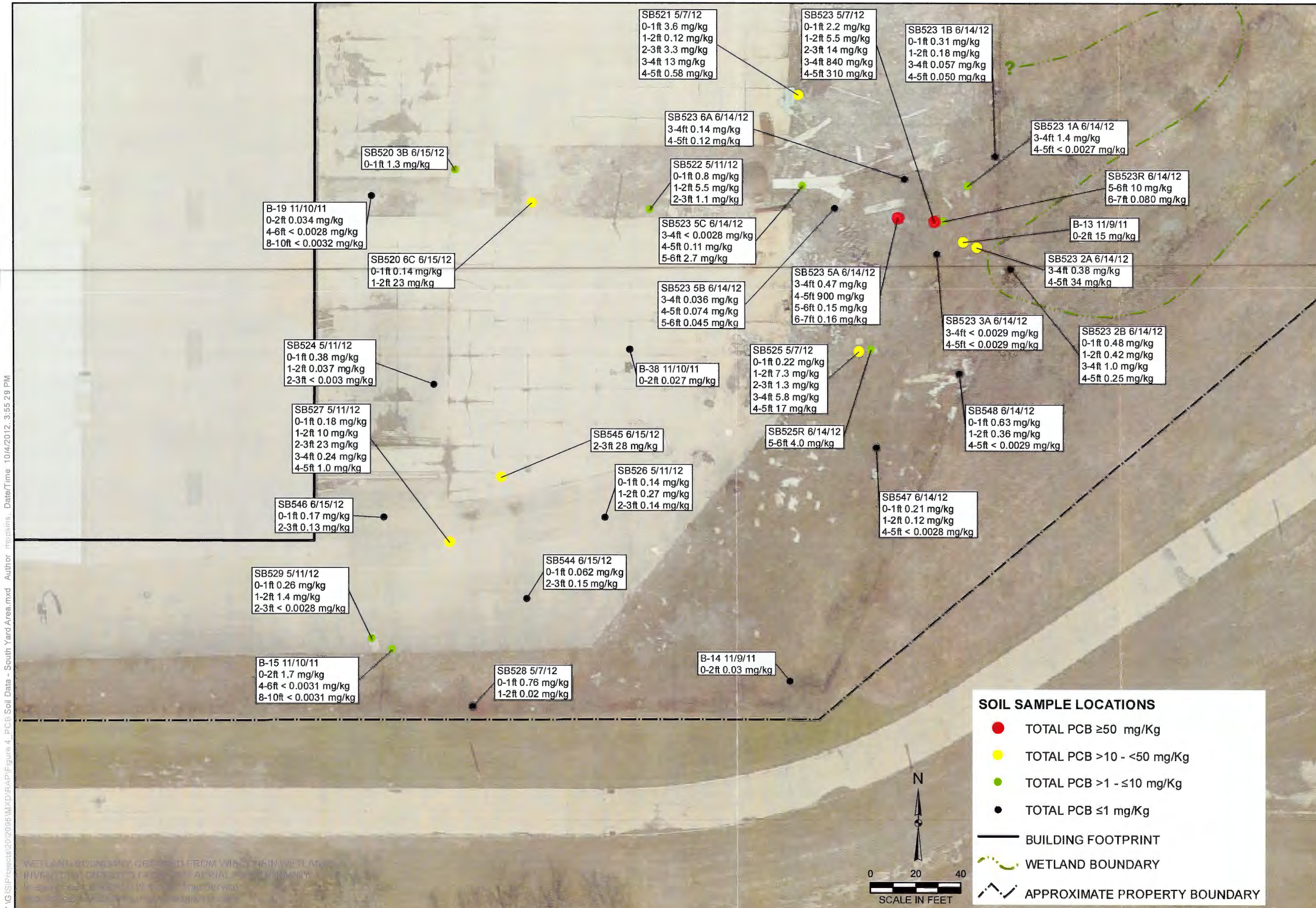
PCB SOIL DATA - NORTH YARD AREA

SOIL REMEDIAL ACTION PLAN - PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

PROJECT NO: 2095

FIGURE NO: 3

NATURAL RESOURCE TECHNOLOGY



DRAWN BY/DATE: TDC 8/8/12
REVIEWED BY/DATE: RJG 8/8/12
APPROVED BY/DATE: JAZ 10/3/12

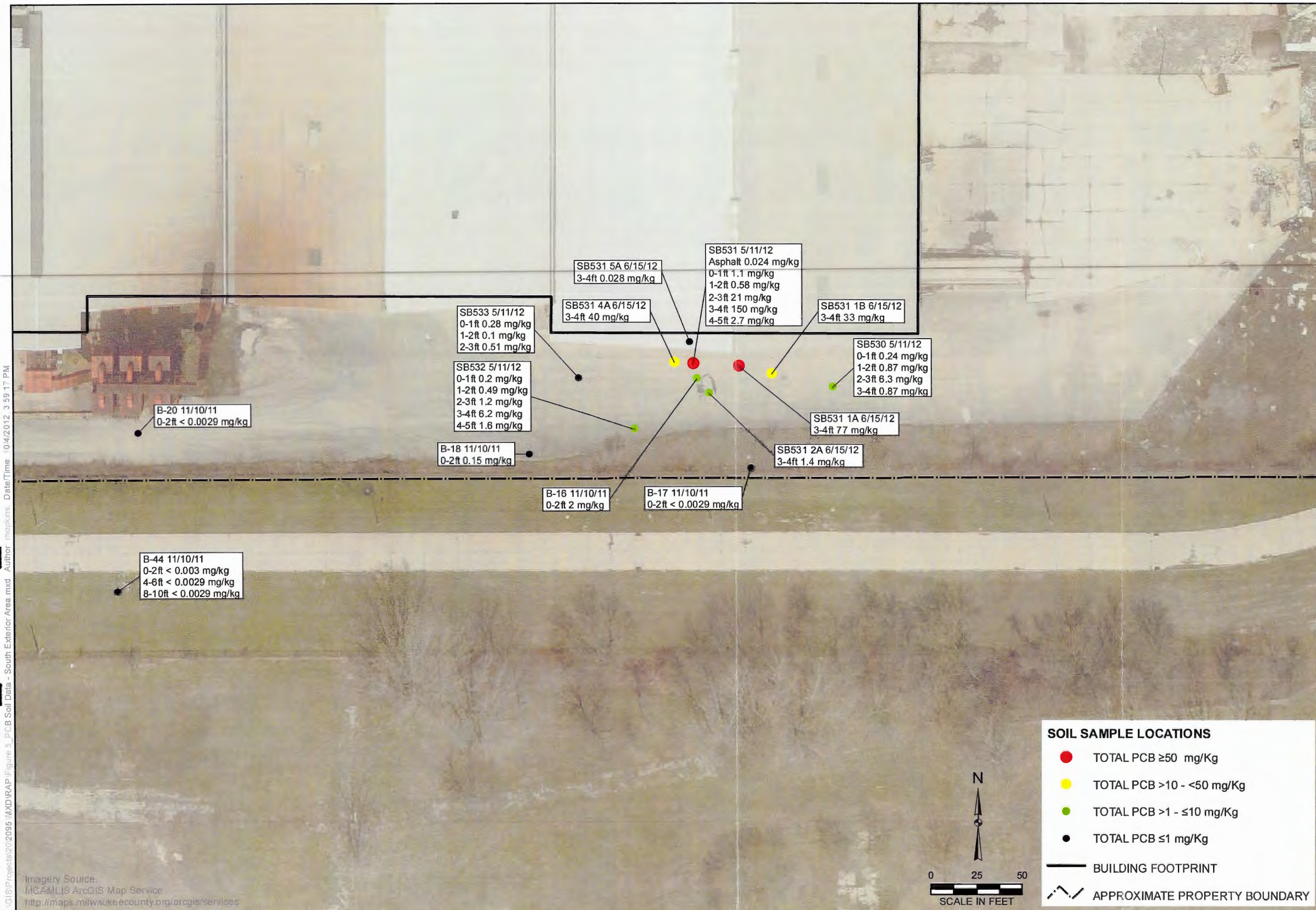
PCB SOIL DATA - SOUTH YARD AREA

SOIL REMEDIAL ACTION PLAN - PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

PROJECT NO: 2095

FIGURE NO: 4

NATURAL RESOURCE TECHNOLOGY



DRAWN BY/DATE:
TDC/RLH 8/03/12
REVIEWED BY/DATE:
RJG 8/03/12
APPROVED BY/DATE:
JAZ 10/03/12

PCB SOIL DATA - SOUTHEAST EXTERIOR AREA

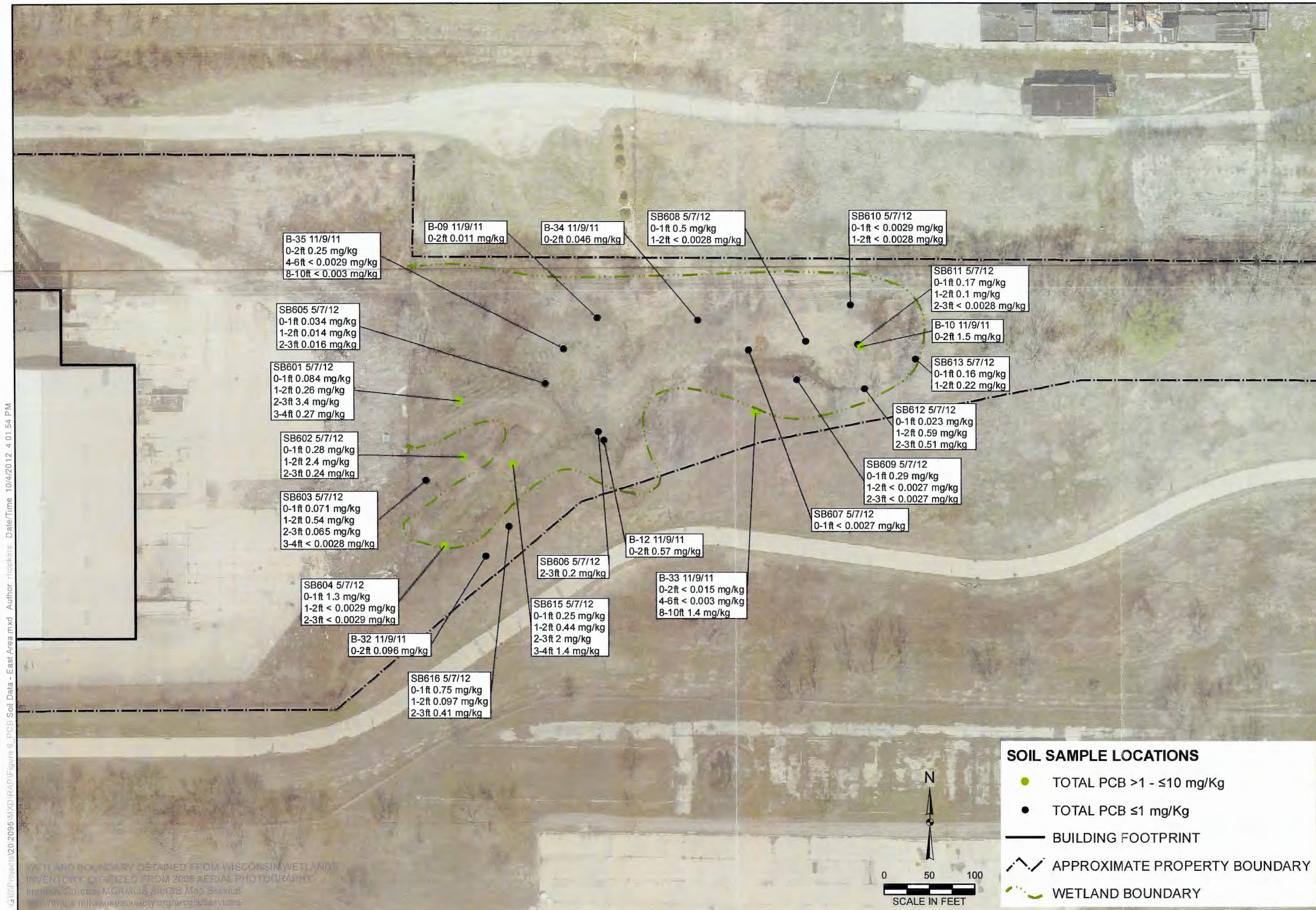
SOIL REMEDIAL ACTION PLAN - PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

PROJECT NO: 2095

FIGURE NO: 5

NATURAL RESOURCE TECHNOLOGY

Y:\GISProjects\2095\MXD\RAP Figure 5_PCB Soil Data - South Exterior Area.mxd Author: rhopkins Date/Time: 10/4/2012 3:59:17 PM



DRAWN BY/DATE: TDC/RLH 8/03/12
REVIEWED BY/DATE: RJG 8/03/12
APPROVED BY/DATE: JAZ 10/03/12

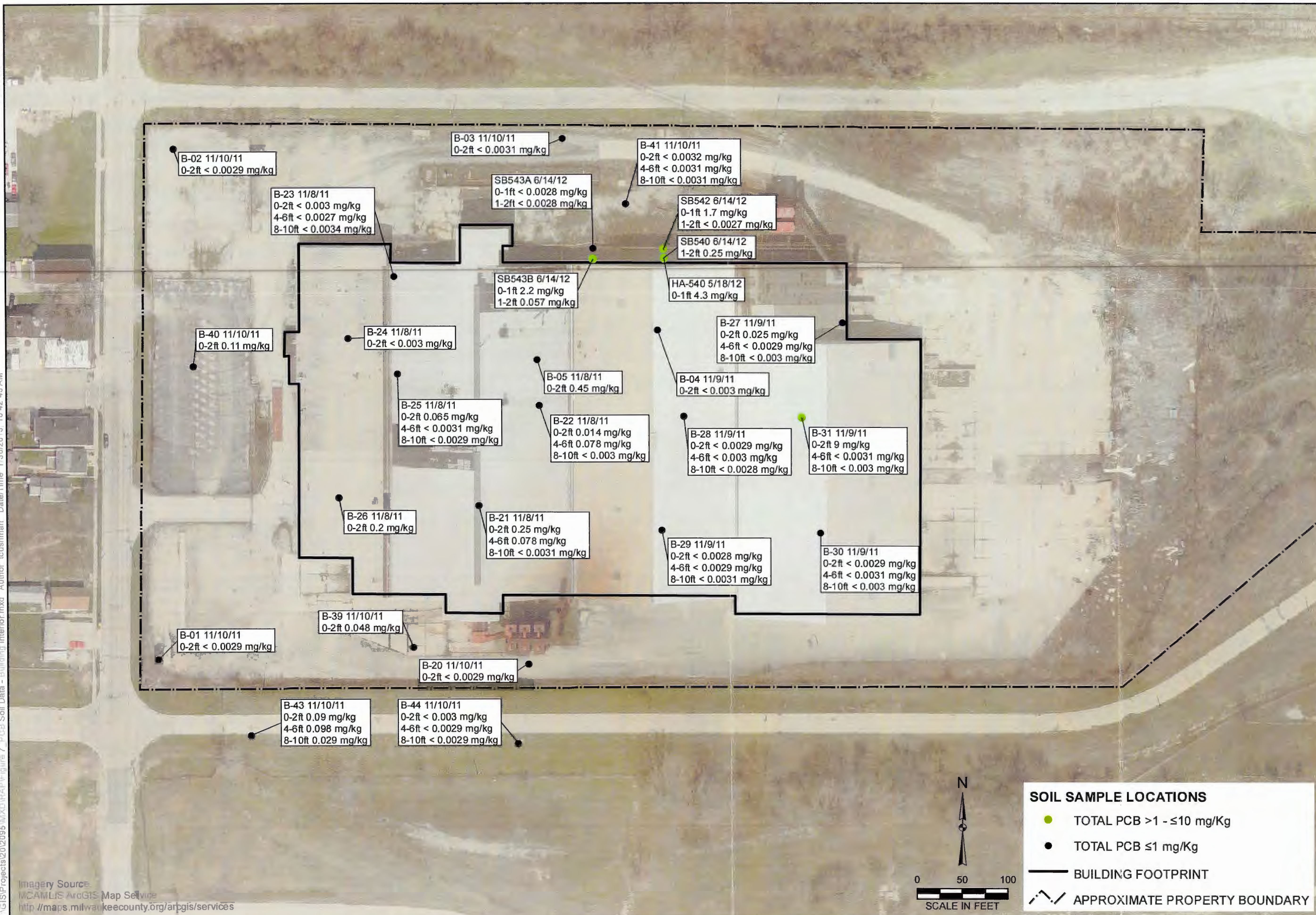
PCB SOIL DATA - EAST AREA

SOIL REMEDIAL ACTION PLAN - PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

PROJECT NO: 2095

FIGURE NO: 6

NATURAL RESOURCE TECHNOLOGY



DRAWN BY/DATE:
TDC/RLH 8/03/12
REVIEWED BY/DATE:
RJG 8/03/12
APPROVED BY/DATE:
JAZ 10/03/12

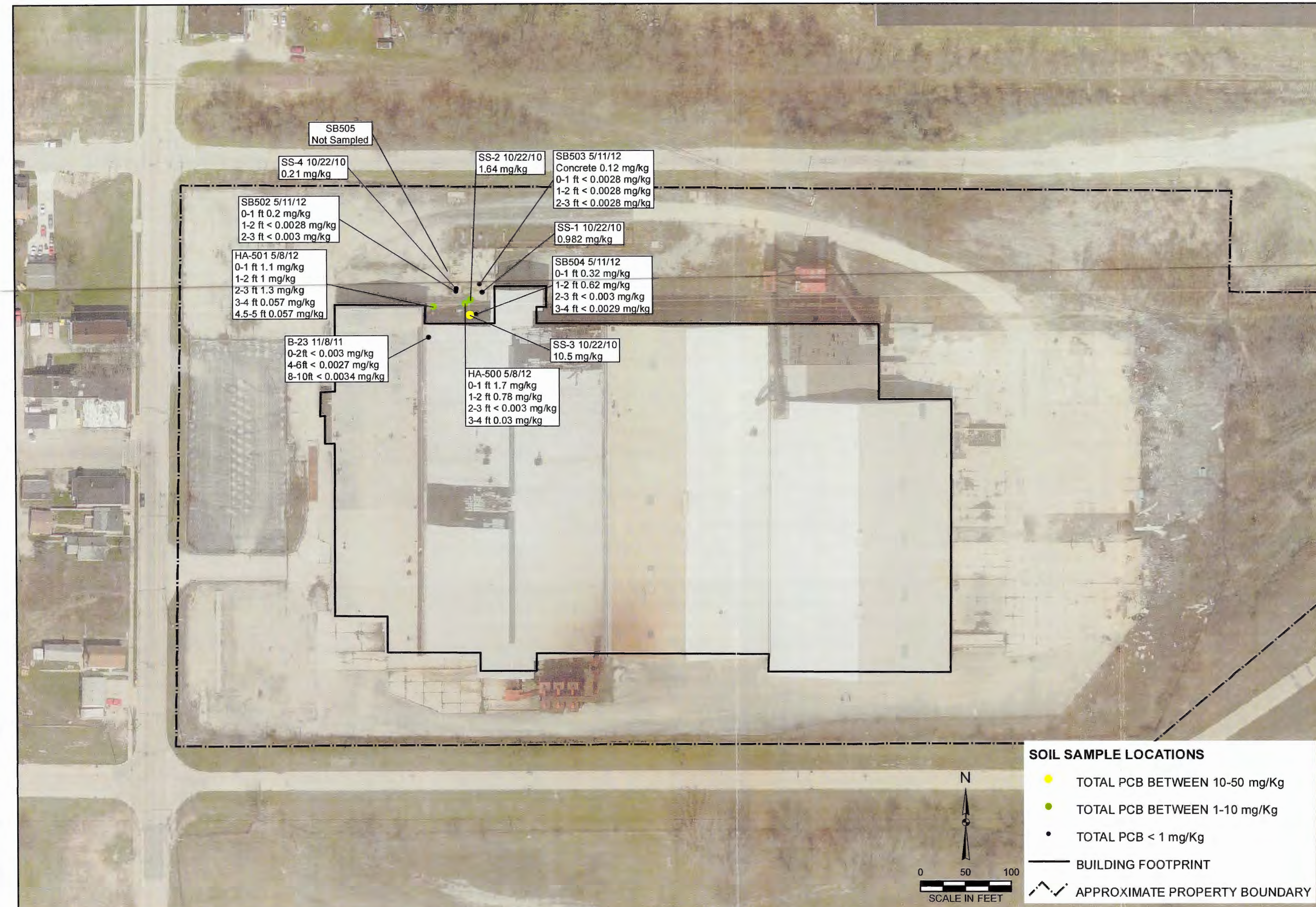
PCB SOIL DATA - BUILDING AREA

SOIL REMEDIAL ACTION PLAN - PCBs AND METALS
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

PROJECT NO: 2095

FIGURE NO: 7

NATURAL RESOURCE TECHNOLOGY



DRAWN BY/DATE: TDC 5/29/12
REVIEWED BY/DATE: RJG 5/30/12
APPROVED BY/DATE: JAZ 10/02/12

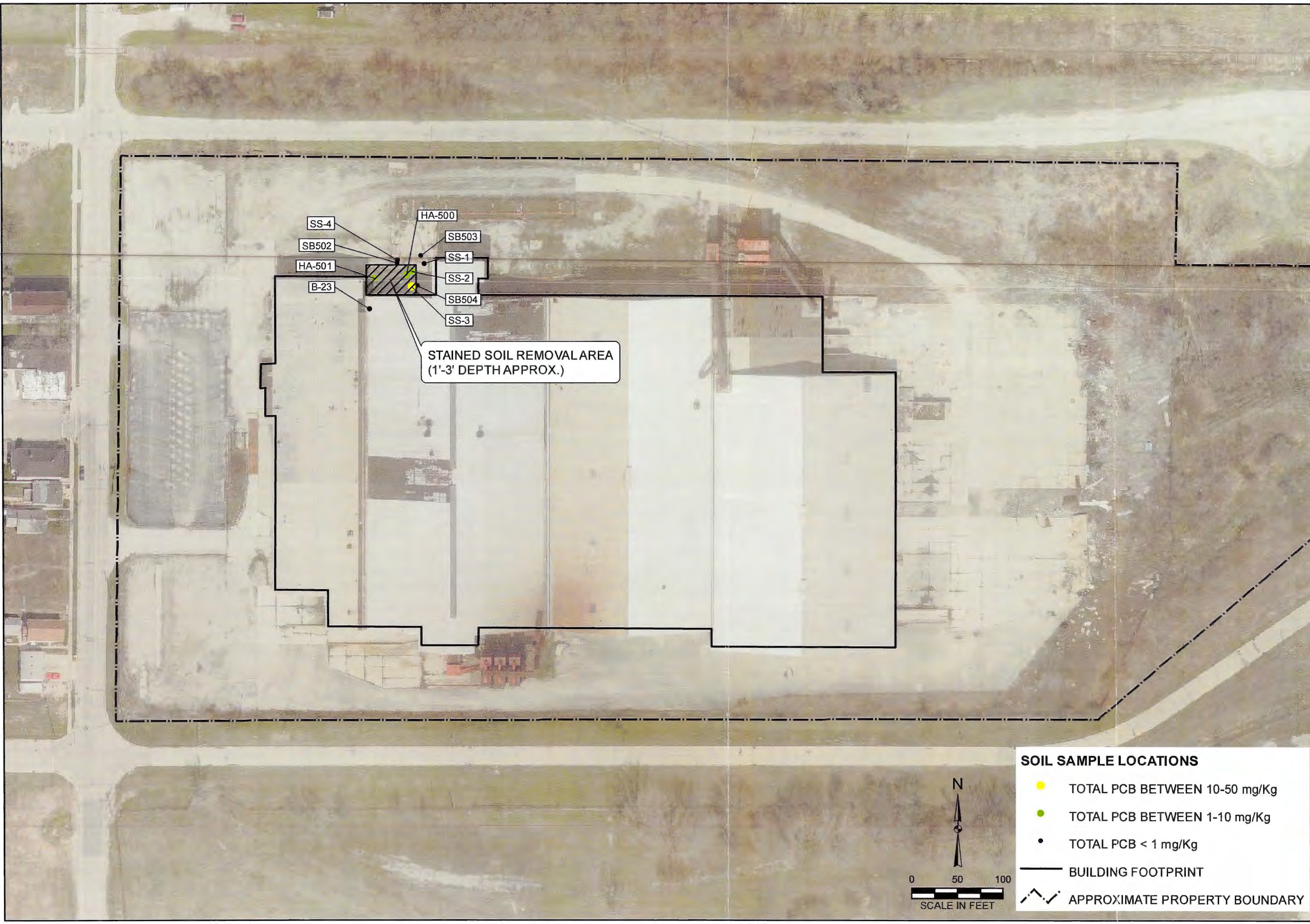
PCB SOIL DATA - TRANSFORMER AREA

REMEDIAL ACTION PLAN FOR FACILITY DEMOLITION
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

PROJECT NO: 2095

FIGURE NO: 10

NATURAL RESOURCE TECHNOLOGY



DRAWN BY/DATE:
TDC 5/29/12
REVIEWED BY/DATE:
RJG 5/30/12
APPROVED BY/DATE:
JAZ 10/02/12

EXCAVATION PLAN - TRANSFORMER AREA

REMEDIAL ACTION PLAN FOR FACILITY DEMOLITION
FORMER WABASH ALLOYS
9100 SOUTH 5TH AVENUE
OAK CREEK, WISCONSIN

PROJECT NO: 2095

FIGURE NO: 11

NATURAL RESOURCE TECHNOLOGY

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			_10_							
TSCA Limit			**50**							
B-01	0-2	11/10/11	< 0.0029	< 0.0067	< 0.015	< 0.0073	< 0.0089	< 0.0068	< 0.0054	< 0.0044
B-02	0-2	11/10/11	< 0.0029	< 0.0067	< 0.015	< 0.0073	< 0.0089	< 0.0068	< 0.0054	< 0.0044
B-03	0-2	11/10/11	< 0.0031	< 0.0072	< 0.016	< 0.0078	< 0.0096	< 0.0073	< 0.0058	< 0.0047
B-04	0-2	11/09/11	< 0.003	< 0.0069	< 0.016	< 0.0075	< 0.0092	< 0.007	< 0.0055	< 0.0045
B-05	0-2	11/08/11	0.45	< 0.014	< 0.031	< 0.015	< 0.018	< 0.014	0.45	< 0.0089
B-06	0-2	11/10/11	_27_	< 0.67	< 1.5	< 0.73	< 0.89	27	< 0.54	< 0.44
B-07	0-2	11/09/11	< 0.0033	< 0.0076	< 0.017	< 0.0083	< 0.01	< 0.0078	< 0.0061	< 0.005
B-08	0-2	11/09/11	0.59	< 0.0075	< 0.017	< 0.0082	< 0.01	0.31	0.28	< 0.0049
B-09	0-2	11/09/11	0.011	< 0.0076	< 0.017	< 0.0082	< 0.01	< 0.0077	< 0.0061	0.011
B-10	0-2	11/09/11	1.5	< 0.069	< 0.15	< 0.075	< 0.092	< 0.07	0.57	0.94
B-12	0-2	11/09/11	0.57	< 0.0069	< 0.015	< 0.0074	< 0.0092	0.34	0.23	< 0.0045
B-13	0-2	11/09/11	_15_	< 0.71	< 1.6	< 0.76	< 0.94	9.8	5.3	< 0.46
B-14	0-2	11/09/11	0.03	< 0.0066	< 0.015	< 0.0071	< 0.0088	< 0.0067	0.03	< 0.0043
B-15	0-2	11/10/11	1.7	< 0.066	< 0.15	< 0.072	< 0.088	1.1	0.6	< 0.043
B-15	4-6	11/10/11	< 0.0031	< 0.0072	< 0.016	< 0.0078	< 0.0096	< 0.0073	< 0.0057	< 0.0047
B-15	8-10	11/10/11	< 0.0031	< 0.0071	< 0.016	< 0.0077	< 0.0095	< 0.0072	< 0.0057	< 0.0046
B-16	0-2	11/10/11	2.0	< 0.065	< 0.15	< 0.070	< 0.086	2.0	< 0.052	< 0.042
B-17	0-2	11/10/11	< 0.0029	< 0.0068	< 0.015	< 0.0074	< 0.0091	< 0.0069	< 0.0054	< 0.0044
B-18	0-2	11/10/11	0.15	< 0.007	< 0.016	< 0.0076	< 0.0094	< 0.0071	0.15	< 0.0046
B-19	0-2	11/10/11	0.034	< 0.0073	< 0.016	< 0.0079	< 0.0097	< 0.0074	0.034	< 0.0047
B-19	4-6	11/10/11	< 0.0028	< 0.0066	< 0.015	< 0.0071	< 0.0088	< 0.0067	< 0.0053	< 0.0043
B-19	8-10	11/10/11	< 0.0032	< 0.0074	< 0.017	< 0.008	< 0.0099	< 0.0075	< 0.0059	< 0.0048
B-20	0-2	11/10/11	< 0.0029	< 0.0066	< 0.015	< 0.0072	< 0.0089	< 0.0068	< 0.0053	< 0.0043
B-21	0-2	11/08/11	0.25	< 0.0066	< 0.015	< 0.0071	< 0.0088	< 0.0067	0.25	< 0.0043
B-21	4-6	11/08/11	0.078	< 0.0071	< 0.016	< 0.0077	< 0.0094	< 0.0072	0.078	< 0.0046
B-21	8-10	11/08/11	< 0.0031	< 0.0071	< 0.016	< 0.0077	< 0.0094	< 0.0072	< 0.0057	< 0.0046
B-22	0-2	11/08/11	0.014	< 0.0068	< 0.015	< 0.0074	< 0.0091	< 0.0069	0.014	< 0.0044
B-22	4-6	11/08/11	0.078	< 0.0069	< 0.015	< 0.0075	< 0.0092	< 0.007	0.078	< 0.0045
B-22	8-10	11/08/11	< 0.003	< 0.0069	< 0.016	< 0.0075	< 0.0092	< 0.007	< 0.0055	< 0.0045
B-23	0-2	11/08/11	< 0.003	< 0.007	< 0.016	< 0.0076	< 0.0094	< 0.0072	< 0.0056	< 0.0046
B-23	4-6	11/08/11	< 0.0027	< 0.0063	< 0.014	< 0.0069	< 0.0085	< 0.0064	< 0.0051	< 0.0041
B-23	8-10	11/08/11	< 0.0034	< 0.0078	< 0.017	< 0.0084	< 0.01	< 0.0079	< 0.0062	< 0.0051
B-24	0-2	11/08/11	< 0.003	< 0.0068	< 0.015	< 0.0074	< 0.0091	< 0.0069	< 0.0054	< 0.0044
B-25	0-2	11/08/11	0.065	< 0.007	< 0.016	< 0.0076	< 0.0094	< 0.0071	0.065	< 0.0046
B-25	4-6	11/08/11	< 0.0031	< 0.0072	< 0.016	< 0.0078	< 0.0096	< 0.0073	< 0.0058	< 0.0047
B-25	8-10	11/08/11	< 0.0029	< 0.0068	< 0.015	< 0.0073	< 0.009	< 0.0069	< 0.0054	< 0.0044
B-26	0-2	11/08/11	0.2	< 0.0067	< 0.015	< 0.0073	< 0.0089	< 0.0068	0.2	< 0.0044
B-27	0-2	11/09/11	0.025	< 0.0073	< 0.017	< 0.0079	< 0.0098	0.02	< 0.0059	< 0.0048
B-27	4-6	11/09/11	< 0.0029	< 0.0067	< 0.015	< 0.0073	< 0.0089	< 0.0068	< 0.0054	< 0.0044
B-27	8-10	11/09/11	< 0.003	< 0.0069	< 0.016	< 0.0075	< 0.0092	< 0.007	< 0.0055	< 0.0045
B-28	0-2	11/09/11	< 0.0029	< 0.0067	< 0.015	< 0.0073	< 0.009	< 0.0068	< 0.0054	< 0.0044
B-28	4-6	11/09/11	< 0.003	< 0.0068	< 0.015	< 0.0074	< 0.0091	< 0.0069	< 0.0055	< 0.0044
B-28	8-10	11/09/11	< 0.0028	< 0.0065	< 0.015	< 0.0071	< 0.0087	< 0.0066	< 0.0052	< 0.0042
B-29	0-2	11/09/11	< 0.0028	< 0.0065	< 0.015	< 0.007	< 0.0086	< 0.0066	< 0.0052	< 0.0042
B-29	4-6	11/09/11	< 0.0029	< 0.0067	< 0.015	< 0.0073	< 0.0089	< 0.0068	< 0.0054	< 0.0044
B-29	8-10	11/09/11	< 0.0031	< 0.007	< 0.016	< 0.0076	< 0.0094	< 0.0072	< 0.0056	< 0.0046

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			10							
TSCA Limit			50							
B-30	0-2	11/09/11	< 0.0029	< 0.0068	< 0.015	< 0.0074	< 0.0091	< 0.0069	< 0.0054	< 0.0044
B-30	4-6	11/09/11	< 0.0031	< 0.007	< 0.016	< 0.0076	< 0.0094	< 0.0072	< 0.0056	< 0.0046
B-30	8-10	11/09/11	< 0.003	< 0.007	< 0.016	< 0.0075	< 0.0093	< 0.0071	< 0.0056	< 0.0045
B-31	0-2	11/09/11	9.0	< 0.14	< 0.31	< 0.15	< 0.18	4.3	4.7	< 0.09
B-31	4-6	11/09/11	< 0.0031	< 0.0071	< 0.016	< 0.0077	< 0.0095	< 0.0073	< 0.0057	< 0.0046
B-31	8-10	11/09/11	< 0.003	< 0.0069	< 0.016	< 0.0075	< 0.0092	< 0.007	< 0.0055	< 0.0045
B-32	0-2	11/09/11	0.096	< 0.0068	< 0.015	< 0.0073	< 0.009	< 0.0069	0.096	< 0.0044
B-33	0-2	11/09/11	< 0.015	< 0.034	< 0.077	< 0.037	< 0.046	< 0.035	< 0.027	< 0.022
B-33	4-6	11/09/11	< 0.003	< 0.0068	< 0.015	< 0.0074	< 0.0091	< 0.0069	< 0.0055	< 0.0044
B-33	8-10	11/09/11	1.4	< 0.14	< 0.31	< 0.15	< 0.19	< 0.14	< 0.11	1.4
B-34	0-2	11/09/11	0.046	< 0.0068	< 0.015	< 0.0073	< 0.009	< 0.0069	< 0.0054	0.046
B-35	0-2	11/09/11	0.25	< 0.013	< 0.03	< 0.015	< 0.018	0.22	0.032	< 0.0087
B-35	4-6	11/09/11	< 0.0029	< 0.0068	< 0.015	< 0.0073	< 0.009	< 0.0069	< 0.0054	< 0.0044
B-35	8-10	11/09/11	< 0.003	< 0.007	< 0.016	< 0.0076	< 0.0093	< 0.0071	< 0.0056	< 0.0045
B-36	0-2	11/10/11	6.5	< 0.13	< 0.29	< 0.14	< 0.17	4.3	2.2	< 0.085
B-37	0-2	11/10/11	< 0.0032	< 0.0074	< 0.017	< 0.008	< 0.0098	< 0.0075	< 0.0059	< 0.0048
B-38	0-2	11/10/11	0.027	< 0.0067	< 0.015	< 0.0072	< 0.0089	< 0.0068	0.027	< 0.0043
B-39	0-2	11/10/11	0.048	< 0.0068	< 0.015	< 0.0073	< 0.009	< 0.0069	0.048	< 0.0044
B-40	0-2	11/10/11	0.11	< 0.0073	< 0.016	< 0.0079	< 0.0097	0.08	0.025	< 0.0047
B-41	0-2	11/10/11	< 0.0032	< 0.0074	< 0.017	< 0.0081	< 0.0099	< 0.0076	< 0.0059	< 0.0048
B-41	4-6	11/10/11	< 0.0031	< 0.0071	< 0.016	< 0.0077	< 0.0095	< 0.0072	< 0.0057	< 0.0046
B-41	8-10	11/10/11	< 0.0031	< 0.0071	< 0.016	< 0.0077	< 0.0095	< 0.0072	< 0.0057	< 0.0046
B-42	0-2	11/10/11	0.39	< 0.0085	< 0.019	< 0.0092	< 0.011	0.19	0.2	< 0.0055
B-42	4-6	11/10/11	< 0.004	< 0.0092	< 0.021	< 0.0099	< 0.012	< 0.0093	< 0.0073	< 0.006
B-42	8-10	11/10/11	< 0.0029	< 0.0067	< 0.015	< 0.0073	< 0.009	< 0.0068	< 0.0054	< 0.0044
B-43	0-2	11/10/11	0.09	< 0.007	< 0.016	< 0.0076	< 0.0094	< 0.0071	0.061	0.03
B-43	4-6	11/10/11	0.098	< 0.0062	< 0.014	< 0.0067	< 0.0083	< 0.0063	0.098	< 0.004
B-43	8-10	11/10/11	0.029	< 0.0069	< 0.016	< 0.0075	< 0.0092	< 0.007	0.029	< 0.0045
B-44	0-2	11/10/11	< 0.003	< 0.0069	< 0.015	< 0.0074	< 0.0091	< 0.007	< 0.0055	< 0.0045
B-44	4-6	11/10/11	< 0.0029	< 0.0068	< 0.015	< 0.0073	< 0.009	< 0.0069	< 0.0054	< 0.0044
B-44	8-10	11/10/11	< 0.0029	< 0.0068	< 0.015	< 0.0073	< 0.009	< 0.0069	< 0.0054	< 0.0044

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			*10*							
TSCA Limit			**50**							
SB506	0-1	05/07/12	0.64	< 0.0096	< 0.0081	< 0.009	< 0.0057	< 0.0068	0.36	0.27
SB506	1-2	05/07/12	1.6	< 0.0087	< 0.0074	< 0.0082	< 0.0052	< 0.0062	1.1	0.5
SB506	2-3	05/07/12	< 0.0033	< 0.01	< 0.0086	< 0.0095	< 0.006	< 0.0072	< 0.006	< 0.0033
SB507	0-1	05/11/12	0.38	< 0.009	< 0.0077	< 0.0085	< 0.0054	0.16	0.19	0.024
SB507	1-2	05/11/12	< 0.003	< 0.0092	< 0.0078	< 0.0087	< 0.0055	< 0.0066	< 0.0055	< 0.003
SB507	2-3	05/11/12	< 0.0028	< 0.0085	< 0.0073	< 0.0081	< 0.0051	< 0.0061	< 0.0051	< 0.0028
SB508	0-1	05/11/12	*12*	< 0.0093	< 0.0079	< 0.0088	< 0.0055	7.7	3.8	0.86
SB508	1-2	05/11/12	**74**	< 0.085	< 0.072	< 0.08	< 0.05	53	21	< 0.028
SB508	2-3	05/11/12	0.096	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.096	< 0.0052	< 0.0029
SB508 1A	0-1	06/14/12	6.9	< 0.0084	< 0.0071	< 0.0079	< 0.005	4.2	2.7	< 0.0027
SB508 1A	1-2	06/14/12	0.73	< 0.0085	< 0.0073	< 0.0081	< 0.0051	0.57	0.17	< 0.0028
SB508 2A	0-1	06/14/12	*15*	4.2	< 0.0075	< 0.0084	< 0.0053	8.3	2.9	< 0.0029
SB508 2A	1-2	06/14/12	*14*	4.4	< 0.0075	< 0.0084	< 0.0053	7.8	2.2	< 0.0029
SB508 3A	0-1	06/15/12	4.6	< 0.0082	< 0.0069	< 0.0077	< 0.0048	2.9	1.7	< 0.0026
SB508 3A	1-2	06/15/12	**79**	30	< 0.072	< 0.08	< 0.05	34	15	1.3
SB508 3B	0-1	06/15/12	1.7	< 0.0086	< 0.0073	< 0.0081	< 0.0051	1.2	0.51	< 0.0028
SB508 3B	1-2	06/15/12	*24*	< 0.043	< 0.037	< 0.041	< 0.026	16	8.1	< 0.014
SB508 4A	0-1	06/15/12	4.5	0.69	< 0.007	< 0.0077	< 0.0049	1.8	2.1	< 0.0027
SB508 4A	1-2	06/15/12	1.4	0.46	< 0.0077	< 0.0086	< 0.0054	0.78	0.21	< 0.0029
SB509	0-1	05/11/12	5.1	< 0.0078	< 0.0066	< 0.0074	< 0.0046	3.2	1.9	< 0.0025
SB509	1-2	05/11/12	3.7	< 0.0086	< 0.0073	< 0.0081	< 0.0051	1.7	1.8	0.19
SB509	2-3	05/11/12	< 0.0028	< 0.0087	< 0.0074	< 0.0082	< 0.0052	< 0.0062	< 0.0052	< 0.0028
SB510	0-1	05/07/12	2.0	< 0.0091	< 0.0078	< 0.0086	< 0.0054	1	0.64	0.34
SB510	1-2	05/07/12	3.9	< 0.0086	< 0.0074	< 0.0082	< 0.0051	2.2	1.4	0.27
SB510	2-3	05/07/12	0.95	< 0.0084	< 0.0071	< 0.0079	< 0.005	0.69	0.26	< 0.0027
SB511 (concrete)	-	05/11/12	0.13	< 0.0078	< 0.0067	< 0.0074	< 0.0047	0.13	< 0.0047	< 0.0025
SB511	0-1	05/11/12	0.58	< 0.0081	< 0.0069	< 0.0076	0.37	0.21	< 0.0048	< 0.0026
SB511	1-2	05/11/12	< 0.0027	< 0.0085	< 0.0072	< 0.008	< 0.005	< 0.0061	< 0.005	< 0.0027
SB511	2-3	05/11/12	< 0.0028	< 0.0085	< 0.0073	< 0.0081	< 0.0051	< 0.0061	< 0.0051	< 0.0028
SB512 (concrete)	-	05/11/12	4.3	< 0.0079	< 0.0067	< 0.0075	< 0.0047	2.4	1.7	0.18
SB512	0-1	05/11/12	**360**	170	< 1.3	< 1.5	< 0.94	190	< 0.94	1.7
SB512	1-2	05/11/12	1.8	< 0.0084	< 0.0071	< 0.0079	< 0.005	0.81	1	< 0.0027
SB512	2-3	05/11/12	< 0.0028	< 0.0087	< 0.0074	< 0.0082	< 0.0051	< 0.0062	< 0.0051	< 0.0028
SB512 1A	0-1	06/15/12	*32*	< 0.081	< 0.069	< 0.077	< 0.048	23	8.4	< 0.026
SB512 1A	1-2	06/15/12	**830**	520	< 0.34	< 0.37	< 0.24	250	64	2.7
SB512 1A	2-3	06/15/12	0.94	0.55	< 0.0075	< 0.0083	< 0.0052	0.3	0.095	< 0.0028
SB512 2A	0-1	06/15/12	**93**	< 0.16	< 0.14	< 0.15	< 0.094	56	37	< 0.051
SB512 2A	1-2	06/15/12	*23*	9.3	< 0.037	< 0.041	< 0.026	11	2.7	0.072

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			*10*							
TSCA Limit			**50**							
SB512 3A	0-1	06/15/12	**86**	< 0.082	< 0.07	< 0.078	< 0.049	44	23	18
SB512 3A	1-2	06/15/12	*38*	20	< 0.069	< 0.076	< 0.048	14	4.2	0.14
SB512 3A	2-3	06/15/12	0.57	0.33	< 0.0072	< 0.008	< 0.005	0.24	< 0.005	< 0.0027
SB512 4A	0-1	06/15/12	**130**	42	< 0.072	< 0.08	< 0.05	62	26	< 0.027
SB512 4B	0-1	06/15/12	*21*	< 0.042	< 0.036	< 0.04	< 0.025	12	8.7	< 0.014
SB512 4B	1-2	06/15/12	0.042	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.042	< 0.0052	< 0.0029
SB512 5A	0-1	06/15/12	*20*	< 0.041	< 0.035	< 0.039	< 0.024	13	6.6	< 0.013
SB513 (concrete)	-	05/11/12	0.053	< 0.0078	< 0.0066	< 0.0074	< 0.0046	0.019	0.034	< 0.0025
SB513	0-1	05/11/12	7.6	< 0.0084	< 0.0071	< 0.0079	< 0.005	5.4	2.3	< 0.0027
SB513	1-2	05/11/12	0.3	< 0.0084	< 0.0072	< 0.008	< 0.005	0.1	0.2	< 0.0027
SB513	2-3	05/11/12	< 0.0028	< 0.0086	< 0.0073	< 0.0081	< 0.0051	< 0.0062	< 0.0051	< 0.0028
SB514	2-3	05/07/12	0.16	< 0.0092	< 0.0078	< 0.0087	< 0.0054	0.16	< 0.0054	< 0.003
SB515	0-1	05/11/12	**110**	29	< 0.14	< 0.16	< 0.098	59	21	< 0.053
SB515	1-2	05/11/12	**200**	< 0.41	< 0.35	< 0.38	93	79	24	0.89
SB515	2-3	05/11/12	8.9	< 0.0082	< 0.0069	< 0.0077	4.8	4.1	< 0.0049	< 0.0026
SB515	3-4	05/11/12	4.1	< 0.0086	< 0.0073	< 0.0081	< 0.0051	3.2	0.95	< 0.0028
SB515	4-5	05/11/12	0.018	< 0.0085	< 0.0072	< 0.0081	< 0.0051	< 0.0061	< 0.0051	0.018
SB515 1A	0-1	06/15/12	*19*	< 0.04	< 0.034	< 0.038	< 0.024	15	3.6	< 0.013
SB515 1A	1-2	06/15/12	**64**	29	< 0.071	< 0.079	< 0.05	35	< 0.05	< 0.027
SB515 1A	2-3	06/15/12	2.4	< 0.0087	< 0.0074	< 0.0082	< 0.0052	2.4	< 0.0052	< 0.0028
SB515 1B	0-1	06/15/12	**200**	< 0.41	< 0.35	< 0.39	< 0.24	120	86	< 0.13
SB515 1B	1-2	06/15/12	*48*	< 0.08	< 0.068	< 0.076	< 0.048	29	19	< 0.026
SB515 1B	2-3	06/15/12	0.11	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.11	< 0.0051	< 0.0028
SB515 2A	0-1	06/15/12	*37*	< 0.079	< 0.067	< 0.075	< 0.047	30	7.5	< 0.026
SB515 2A	1-2	06/15/12	0.98	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.98	< 0.0051	< 0.0028
SB515 2B	0-1	06/15/12	1.7	< 0.0079	< 0.0067	< 0.0075	< 0.0047	1.1	0.56	< 0.0026
SB515 2B	1-2	06/15/12	8.9	< 0.0081	< 0.0069	< 0.0077	< 0.0048	6	2.9	< 0.0026
SB515 3A	0-1	06/15/12	*16*	< 0.042	< 0.035	< 0.039	< 0.025	9.4	6	0.47
SB515 3A	1-2	06/15/12	0.25	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.14	0.11	< 0.0028
SB515 4A	0-1	06/14/12	*21*	< 0.042	< 0.035	< 0.039	< 0.025	16	5.8	< 0.013
SB515 4A	1-2	06/14/12	1.1	< 0.0077	< 0.0066	< 0.0073	< 0.0046	1.1	< 0.0046	< 0.0025
SB515 4B	0-1	06/14/12	0.46	< 0.0085	< 0.0073	< 0.0081	< 0.0051	0.46	< 0.0051	< 0.0028
SB515 4B	1-2	06/14/12	0.7	< 0.0087	< 0.0074	< 0.0082	< 0.0052	0.48	0.22	< 0.0028
SB515 4B	2-3	06/14/12	0.049	< 0.0087	< 0.0074	< 0.0082	< 0.0052	0.049	< 0.0052	< 0.0028
SB515 5A	0-1	06/15/12	0.25	< 0.0078	< 0.0067	< 0.0074	< 0.0047	0.16	0.093	< 0.0025
SB515 5A	1-2	06/15/12	*48*	< 0.085	< 0.073	< 0.081	< 0.051	36	12	< 0.028
SB515 5B	0-1	06/15/12	*47*	< 0.083	< 0.071	< 0.079	< 0.049	33	14	< 0.027
SB515 5B	1-2	06/15/12	1.6	< 0.0086	< 0.0073	< 0.0081	< 0.0051	1.6	< 0.0051	< 0.0028
SB515 5B	2-3	06/15/12	*20*	< 0.045	< 0.038	< 0.042	< 0.027	20	< 0.027	< 0.015
SB515 6A	0-1	06/15/12	**160**	47	< 0.14	< 0.16	< 0.1	85	30	< 0.054
SB515 6A	1-2	06/15/12	**60**	25	< 0.069	< 0.077	< 0.048	27	8.5	< 0.026
DUP 5 SB515 6A	1-2	06/15/12	**51**	21	< 0.067	< 0.074	< 0.047	23	7.2	< 0.026
SB515 6A	2-3	06/15/12	2.9	< 0.0085	< 0.0073	< 0.0081	2.9	< 0.0061	< 0.0051	< 0.0028
SB516	0-1	05/11/12	5.5	< 0.0079	< 0.0067	< 0.0075	< 0.0047	3.8	1.5	0.17
SB516	1-2	05/11/12	9.5	< 0.0081	< 0.0069	< 0.0077	< 0.0048	4.6	4.5	0.47
SB516	2-3	05/11/12	2.1	< 0.0084	< 0.0071	< 0.0079	0.67	1	0.45	< 0.0027
SB516	3-4	05/11/12	0.085	< 0.0087	< 0.0074	< 0.0082	< 0.0052	0.085	< 0.0052	< 0.0028

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
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Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			*10*							
TSCA Limit			**50**							
SB517 (concrete)	-	05/11/12	< 0.0025	< 0.0077	< 0.0066	< 0.0073	< 0.0046	< 0.0055	< 0.0046	< 0.0025
SB517	0-1	05/11/12	0.17	< 0.0077	< 0.0065	< 0.0073	< 0.0046	0.093	0.076	< 0.0025
SB517	1-2	05/11/12	2.1	< 0.0079	< 0.0067	< 0.0075	< 0.0047	1.4	0.66	0.11
SB517	2-3	05/11/12	2.1	< 0.0081	< 0.0069	< 0.0077	< 0.0048	1.2	0.87	< 0.0026
SB517	3-4	05/11/12	< 0.0027	< 0.0082	< 0.007	< 0.0078	< 0.0049	< 0.0059	< 0.0049	< 0.0027
SB518	0-1	05/07/12	5.4	< 0.012	< 0.01	< 0.011	< 0.007	2.3	2.2	0.94
SB518	1-2	05/07/12	8.5	< 0.01	< 0.0088	< 0.0097	< 0.0061	4.2	3	1.3
SB518	2-3	05/07/12	0.66	< 0.0095	< 0.0081	< 0.009	< 0.0057	0.24	0.34	0.08
SB519	0-1	05/11/12	5.3	< 0.0081	< 0.0069	< 0.0076	< 0.0048	5.3	< 0.0048	< 0.0026
SB519	1-2	05/11/12	0.11	< 0.0087	< 0.0074	< 0.0082	< 0.0052	0.048	0.06	< 0.0028
SB520	0-1	05/11/12	0.25	< 0.0079	< 0.0067	< 0.0074	< 0.0047	0.18	0.077	< 0.0026
SB520	1-2	05/11/12	**81**	39	< 0.0072	< 0.008	< 0.1	42	< 0.1	0.31
SB520	2-3	05/11/12	0.23	< 0.0083	< 0.007	< 0.0078	< 0.0049	0.23	< 0.0049	< 0.0027
SB520 1A	0-1	06/15/12	0.41	< 0.0082	< 0.007	< 0.0078	< 0.0049	0.25	0.17	< 0.0027
SB520 1A	1-2	06/15/12	1.7	< 0.0082	< 0.007	< 0.0077	< 0.0049	1	0.68	< 0.0027
SB520 1A	2-3	06/15/12	**57**	< 0.41	< 0.35	< 0.38	< 0.24	57	< 0.24	< 0.13
SB520 1A	3-4	06/15/12	0.87	< 0.0084	< 0.0071	< 0.0079	0.53	0.34	< 0.005	< 0.0027
SB520 1B	1-2	06/15/12	2.7	< 0.0082	< 0.007	< 0.0078	< 0.0049	1	1.4	0.22
SB520 1B	2-3	06/15/12	0.31	< 0.0085	< 0.0072	< 0.008	< 0.005	0.31	< 0.005	< 0.0027
SB520 2A	0-1	06/15/12	3.1	< 0.0081	< 0.0069	< 0.0077	< 0.0048	1.5	1.4	0.16
SB520 2A	1-2	06/15/12	*16*	< 0.04	< 0.034	< 0.038	< 0.024	11	5	0.27
SB520 2A	2-3	06/15/12	5.6	< 0.0085	< 0.0073	< 0.0081	< 0.0051	5.6	< 0.0051	< 0.0028
SB520 2A	3-4	06/15/12	< 0.0027	< 0.0084	< 0.0072	< 0.008	< 0.005	< 0.006	< 0.005	< 0.0027
SB520 2A	4-5	06/15/12	0.32	< 0.0087	< 0.0074	< 0.0082	< 0.0052	0.32	< 0.0052	< 0.0028
SB520 2B	1-2	06/15/12	*16*	< 0.082	< 0.07	< 0.077	< 0.049	12	3.7	0.18
SB520 2B	2-3	06/15/12	1.6	< 0.0085	< 0.0072	< 0.008	< 0.005	1.6	< 0.005	< 0.0028
SB520 3A	0-1	06/15/12	*23*	< 0.041	< 0.035	< 0.039	< 0.025	16	6.1	0.26
SB520 3A	1-2	06/15/12	0.88	< 0.0085	< 0.0072	< 0.008	< 0.005	0.66	0.23	< 0.0027
SB520 3B	0-1	06/15/12	1.3	< 0.0085	< 0.0072	< 0.008	< 0.005	0.5	0.65	0.1
SB520 4A	0-1	06/15/12	*40*	12	< 0.035	< 0.039	< 0.024	22	4.7	0.23
SB520 4A	1-2	06/15/12	1.7	< 0.0083	< 0.007	< 0.0078	< 0.0049	1.3	0.36	< 0.0027
SB520 5A	0-1	06/15/12	5.0	< 0.0083	< 0.007	< 0.0078	< 0.0049	3.8	1.3	< 0.0027
SB520 5A	1-2	06/15/12	**110**	50	< 0.071	< 0.079	< 0.049	52	8.5	1.7
SB520 5A	2-3	06/15/12	0.15	< 0.0085	< 0.0072	< 0.008	< 0.0051	0.15	< 0.0051	< 0.0028
SB520 6C	0-1	06/15/12	0.14	< 0.0077	< 0.0066	< 0.0073	< 0.0046	0.058	0.08	< 0.0025
SB520 6C	1-2	06/15/12	*23*	< 0.0079	< 0.0068	< 0.0075	< 0.0047	16	7.7	< 0.0026
SB521	0-1	05/07/12	3.6	< 0.0094	< 0.008	< 0.0089	< 0.0056	< 0.0068	3.1	0.49
SB521	1-2	05/07/12	0.12	< 0.0079	< 0.0067	< 0.0075	< 0.0047	< 0.0057	0.093	0.023
SB521	2-3	05/07/12	3.3	< 0.0082	< 0.007	< 0.0078	< 0.0049	2.1	1.1	0.098
SB521	3-4	05/07/12	*13*	< 0.008	< 0.0068	< 0.0076	< 0.024	9.7	3.5	0.16
SB521	4-5	05/07/12	0.58	< 0.0084	< 0.0071	< 0.0079	< 0.005	0.43	0.15	< 0.0027
SB522	0-1	05/11/12	0.8	< 0.0077	< 0.0065	< 0.0073	< 0.0046	0.43	0.32	0.038
SB522	1-2	05/11/12	5.5	< 0.0084	< 0.0071	< 0.0079	1.3	2.5	1.6	0.12
SB522	2-3	05/11/12	1.1	< 0.0083	< 0.007	< 0.0078	0.34	0.54	0.2	< 0.0027

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			*10*							
TSCA Limit			**50**							
SB523	0-1	05/07/12	2.2	< 0.0082	< 0.007	< 0.0078	< 0.0049	1	1.1	0.099
SB523	1-2	05/07/12	5.5	< 0.0088	< 0.0075	< 0.0083	< 0.0052	3.6	1.9	< 0.0028
SB523	2-3	05/07/12	*14*	6.8	< 0.0075	< 0.0083	< 0.0052	5.1	1.6	< 0.0028
SB523	3-4	05/07/12	**840**	460	< 3	< 3.3	< 2.1	380	< 2.1	2.1
DUP 3 SB523	3-4	05/07/12	**800**	450	< 3	< 3.4	< 2.1	350	< 2.1	2.3
SB523	4-5	05/07/12	**310**	160	< 0.77	< 0.85	< 0.54	140	< 0.54	1.1
SB523R	5-6	06/14/12	*10*	4.7	< 0.0079	< 0.0088	< 0.0055	4.5	0.94	< 0.003
SB523R	6-7	06/14/12	0.08	< 0.0095	< 0.0081	< 0.009	< 0.0056	0.08	< 0.0056	< 0.0031
SB523 1A	3-4	06/14/12	1.4	< 0.0086	< 0.0073	< 0.0081	< 0.0051	1.4	< 0.0051	< 0.0028
SB523 1A	4-5	06/14/12	< 0.0027	< 0.0083	< 0.0071	< 0.0079	< 0.0049	< 0.0059	< 0.0049	< 0.0027
SB523 1B	0-1	06/14/12	0.31	< 0.0084	< 0.0071	< 0.0079	< 0.005	0.31	< 0.005	< 0.0027
SB523 1B	1-2	06/14/12	0.18	< 0.0081	< 0.0069	< 0.0077	< 0.0048	0.18	< 0.0048	< 0.0026
SB523 1B	3-4	06/14/12	0.057	< 0.0084	< 0.0072	< 0.008	< 0.005	0.057	< 0.005	< 0.0027
SB523 1B	4-5	06/14/12	0.05	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.05	< 0.0051	< 0.0028
SB523 2A	3-4	06/14/12	0.38	< 0.009	< 0.0077	< 0.0085	< 0.0054	0.38	< 0.0054	< 0.0029
SB523 2A	4-5	06/14/12	*34*	< 0.087	< 0.074	< 0.082	< 0.051	25	9.1	< 0.028
SB523 2B	0-1	06/14/12	0.48	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.14	0.34	< 0.0028
SB523 2B	1-2	06/14/12	0.42	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.16	0.25	< 0.0028
SB523 2B	3-4	06/14/12	1.0	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.54	0.47	< 0.0029
SB523 2B	4-5	06/14/12	0.25	< 0.009	< 0.0076	< 0.0085	< 0.0053	0.13	0.12	< 0.0029
SB523 3A	3-4	06/14/12	< 0.0029	< 0.0088	< 0.0075	< 0.0083	< 0.0052	< 0.0063	< 0.0052	< 0.0029
SB523 3A	4-5	06/14/12	< 0.0029	< 0.0089	< 0.0076	< 0.0084	< 0.0053	< 0.0064	< 0.0053	< 0.0029
SB523 5A	3-4	06/14/12	0.47	< 0.0091	< 0.0077	< 0.0086	< 0.0054	0.47	< 0.0054	< 0.0029
SB523 5A	4-5	06/14/12	**900**	610	< 0.38	< 0.42	< 0.27	230	54	< 0.14
SB523 5A	5-6	06/14/12	0.15	< 0.0094	< 0.008	< 0.0089	< 0.0056	0.15	< 0.0056	< 0.003
SB523 5A	6-7	06/14/12	0.16	< 0.0095	< 0.0081	< 0.009	< 0.0057	0.16	< 0.0057	< 0.0031
SB523 5B	3-4	06/14/12	0.036	< 0.0087	< 0.0074	< 0.0082	< 0.0052	0.036	< 0.0052	< 0.0028
SB523 5B	4-5	06/14/12	0.074	< 0.0089	< 0.0076	< 0.0084	< 0.0053	0.074	< 0.0053	< 0.0029
SB523 5B	5-6	06/14/12	0.045	< 0.0093	< 0.0079	< 0.0088	< 0.0055	0.025	0.02	< 0.003
SB523 5C	3-4	06/14/12	< 0.0028	< 0.0087	< 0.0074	< 0.0082	< 0.0052	< 0.0062	< 0.0052	< 0.0028
SB523 5C	4-5	06/14/12	0.11	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.11	< 0.0051	< 0.0028
SB523 5C	5-6	06/14/12	2.7	< 0.0086	< 0.0073	< 0.0081	< 0.0051	2.7	< 0.0051	< 0.0028
SB523 6A	3-4	06/14/12	0.14	< 0.0085	< 0.0072	< 0.008	< 0.005	0.14	< 0.005	< 0.0028
SB523 6A	4-5	06/14/12	0.12	< 0.0083	< 0.0071	< 0.0079	< 0.0049	0.12	< 0.0049	< 0.0027
SB524	0-1	05/11/12	0.38	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.38	< 0.0051	< 0.0028
SB524	1-2	05/11/12	0.037	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.037	< 0.0052	< 0.0029
SB524	2-3	05/11/12	< 0.003	< 0.0091	< 0.0078	< 0.0086	< 0.0054	< 0.0065	< 0.0054	< 0.003
SB525	0-1	05/07/12	0.22	< 0.0089	< 0.0076	< 0.0084	< 0.0053	0.22	< 0.0053	< 0.0029
SB525	1-2	05/07/12	7.3	< 0.0087	< 0.0074	< 0.0082	< 0.0052	2.9	4.5	< 0.0028
SB525	2-3	05/07/12	1.3	< 0.009	< 0.0077	< 0.0085	< 0.0054	0.44	0.91	< 0.0029
SB525	3-4	05/07/12	5.8	< 0.009	< 0.0077	< 0.0085	< 0.0054	4.3	1.5	< 0.0029
SB525	4-5	05/07/12	*17*	< 0.087	< 0.074	< 0.083	< 0.052	13	4	< 0.0028
SB525R	5-6	06/14/12	4.0	1.5	< 0.0075	< 0.0083	< 0.0052	2	0.48	< 0.0029
SB526	0-1	05/11/12	0.14	< 0.008	< 0.0068	< 0.0075	< 0.0047	< 0.0057	0.14	< 0.0026
SB526	1-2	05/11/12	0.27	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.071	0.17	0.039
SB526	2-3	05/11/12	0.14	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.069	0.073	< 0.0028

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			*10*							
TSCA Limit			**50**							
SB527	0-1	05/11/12	0.18	< 0.0078	< 0.0066	< 0.0074	< 0.0046	0.054	0.13	< 0.0025
SB527	1-2	05/11/12	*10*	< 0.0084	< 0.0071	< 0.0079	< 0.025	7.4	2.6	< 0.0027
SB527	2-3	05/11/12	*23*	< 0.0085	< 0.0073	< 0.0081	< 0.0051	19	4.3	< 0.0028
SB527	3-4	05/11/12	0.24	< 0.0085	< 0.0073	< 0.0081	< 0.0051	0.24	< 0.0051	< 0.0028
SB527	4-5	05/11/12	1.0	< 0.0089	< 0.0076	< 0.0084	< 0.0053	1	< 0.0053	< 0.0029
SB528	0-1	05/07/12	0.76	< 0.0091	< 0.0077	< 0.0086	< 0.0054	0.18	0.51	0.076
SB528	1-2	05/07/12	0.02	< 0.0089	< 0.0076	< 0.0084	< 0.0053	0.02	< 0.0053	< 0.0029
SB529	0-1	05/11/12	0.26	< 0.0078	< 0.0067	< 0.0074	< 0.0047	0.051	0.18	0.025
SB529	1-2	05/11/12	1.4	< 0.0085	< 0.0073	< 0.0081	< 0.0051	0.21	1	0.22
SB529	2-3	05/11/12	< 0.0028	< 0.0085	< 0.0072	< 0.008	< 0.005	< 0.0061	< 0.005	< 0.0028
SB530	0-1	05/11/12	0.24	< 0.0087	< 0.0074	< 0.0082	< 0.0052	0.047	0.16	0.031
SB530	1-2	05/11/12	0.87	< 0.0084	< 0.0072	< 0.008	< 0.005	0.34	0.53	< 0.0027
SB530	2-3	05/11/12	6.3	< 0.0089	< 0.0076	< 0.0084	< 0.0053	4.7	1.5	0.078
SB530	3-4	05/11/12	0.87	< 0.009	< 0.0076	< 0.0085	< 0.0053	0.22	0.64	< 0.0029
SB531 (Asphalt)	-	05/11/12	0.024	< 0.0074	< 0.0063	< 0.007	< 0.0044	0.01	0.014	< 0.0024
SB531	0-1	05/11/12	1.1	< 0.0084	< 0.0071	< 0.0079	< 0.005	0.19	0.76	0.15
SB531	1-2	05/11/12	0.58	< 0.0084	< 0.0071	< 0.0079	< 0.005	0.14	0.37	0.063
SB531	2-3	05/11/12	*21*	5.8	< 0.036	< 0.04	< 0.025	12	3.3	< 0.014
SB531	3-4	05/11/12	**150**	< 0.0083	< 0.007	< 0.0078	< 0.0049	120	23	0.6
SB531	4-5	05/11/12	2.7	< 0.0087	< 0.0074	< 0.0082	< 0.0051	2.7	< 0.0051	< 0.0028
SB531 1A	3-4	06/15/12	77	< 0.17	< 0.15	< 0.16	< 0.1	63	14	< 0.055
SB531 1B	3-4	06/15/12	*33*	< 0.089	< 0.076	< 0.084	< 0.053	26	7.1	< 0.029
SB531 2A	3-4	06/15/12	1.4	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.85	0.5	< 0.0029
SB531 4A	3-4	06/15/12	*40*	< 0.085	< 0.072	< 0.08	< 0.05	33	7.5	< 0.027
SB531 5A	3-4	06/15/12	0.028	< 0.0085	< 0.0073	< 0.0081	< 0.0051	0.028	< 0.0051	< 0.0028
SB532	0-1	05/11/12	0.2	< 0.0083	< 0.007	< 0.0078	< 0.0049	0.03	0.17	< 0.0027
SB532	1-2	05/11/12	0.49	< 0.0084	< 0.0072	< 0.008	< 0.005	0.22	0.27	< 0.0027
SB532	2-3	05/11/12	1.2	< 0.0085	< 0.0073	< 0.0081	< 0.0051	0.48	0.69	< 0.0028
SB532	3-4	05/11/12	6.2	< 0.0088	< 0.0075	< 0.0083	< 0.0052	2.1	4.1	< 0.0028
SB532	4-5	05/11/12	1.6	< 0.0087	< 0.0074	< 0.0082	< 0.0051	< 0.0062	1.6	< 0.0028
SB533	0-1	05/11/12	0.28	< 0.0084	< 0.0072	< 0.0079	< 0.005	0.12	0.16	< 0.0027
SB533	1-2	05/11/12	0.1	< 0.0086	< 0.0074	< 0.0082	< 0.0051	0.038	0.063	< 0.0028
SB533	2-3	05/11/12	0.51	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.51	< 0.0051	< 0.0028
SB535	0-1	05/07/12	0.46	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.12	0.27	0.062
SB535	1-2	05/07/12	0.076	< 0.0083	< 0.007	< 0.0078	< 0.0049	< 0.0059	0.076	< 0.0027
SB535	2-3	05/07/12	*11*	< 0.089	< 0.076	< 0.084	< 0.053	8.3	3.1	< 0.0029
SB535	3-4	05/07/12	*15*	< 0.0086	< 0.0074	< 0.0082	< 0.0051	11	4.3	< 0.0028
SB535	4-5	05/07/12	< 0.0029	< 0.0089	< 0.0076	< 0.0085	< 0.0053	< 0.0064	< 0.0053	< 0.0029
HA-539	0-1	05/18/12	9.3	< 0.0093	< 0.0079	< 0.0088	< 0.0055	3.2	5.2	0.9
SB539	1-2	06/14/12	2.6	< 0.0078	< 0.0066	< 0.0074	< 0.0046	2	0.57	< 0.0025
HA-540	0-1	05/18/12	4.3	< 0.0087	< 0.0074	< 0.0082	< 0.0052	1.8	2.6	< 0.0028
SB540	1-2	06/14/12	0.25	< 0.0078	< 0.0067	< 0.0074	< 0.0047	0.22	< 0.0047	0.026
SB541	0-1	06/14/12	*38*	< 0.089	< 0.076	< 0.084	< 0.053	25	12	1.3
SB541	1-2	06/14/12	0.24	< 0.0088	< 0.0075	< 0.0084	< 0.0053	0.24	< 0.0053	< 0.0029
SB542	0-1	06/14/12	1.7	< 0.0081	< 0.0069	< 0.0077	< 0.0048	0.77	0.76	0.14
SB542	1-2	06/14/12	< 0.0027	< 0.0083	< 0.0071	< 0.0079	< 0.0049	< 0.006	< 0.0049	< 0.0027
SB543A	0-1	06/14/12	< 0.0028	< 0.0088	< 0.0075	< 0.0083	< 0.0052	< 0.0063	< 0.0052	< 0.0028
SB543A	1-2	06/14/12	< 0.0028	< 0.0086	< 0.0073	< 0.0082	< 0.0051	< 0.0062	< 0.0051	< 0.0028

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			*10*							
TSCA Limit			**50**							
SB543B	0-1	06/14/12	2.2	< 0.008	< 0.0068	< 0.0076	< 0.0048	< 0.0057	1.6	0.57
SB543B	1-2	06/14/12	0.057	< 0.0093	< 0.0079	< 0.0088	< 0.0056	0.039	0.018	< 0.003
SB544	0-1	06/15/12	0.062	< 0.0078	< 0.0066	< 0.0074	< 0.0046	0.062	< 0.0046	< 0.0025
SB544	2-3	06/15/12	0.15	< 0.0086	< 0.0073	< 0.0081	< 0.0051	< 0.0062	0.15	< 0.0028
SB545	0-1	06/15/12	0.17	< 0.0077	< 0.0066	< 0.0073	< 0.0046	0.17	< 0.0046	< 0.0025
SB545	2-3	06/15/12	*28*	< 0.083	< 0.07	< 0.078	< 0.049	23	4.9	< 0.027
SB546	0-1	06/15/12	0.17	< 0.0077	< 0.0066	< 0.0073	< 0.0046	0.17	< 0.0046	< 0.0025
SB546	2-3	06/15/12	0.13	< 0.084	< 0.0071	< 0.079	< 0.005	0.13	< 0.005	< 0.0027
SB547	0-1	06/14/12	0.21	< 0.008	< 0.0069	< 0.0076	< 0.0048	0.071	0.13	< 0.0026
SB547	1-2	06/14/12	0.12	< 0.0082	< 0.007	< 0.0077	< 0.0049	0.06	0.061	< 0.0027
SB547	4-5	06/14/12	< 0.0028	< 0.0085	< 0.0073	< 0.0081	< 0.0051	< 0.0061	< 0.0051	< 0.0028
SB548	0-1	06/14/12	0.63	< 0.0085	< 0.0072	< 0.008	< 0.005	0.17	0.4	0.059
SB548	1-2	06/14/12	0.36	< 0.0085	< 0.0072	< 0.008	< 0.005	0.2	0.16	< 0.0027
SB548	4-5	06/14/12	< 0.0029	< 0.0089	< 0.0075	< 0.0084	< 0.0053	< 0.0063	< 0.0053	< 0.0029
SB601	0-1	05/07/12	0.084	< 0.0099	< 0.0084	< 0.0093	< 0.0059	0.009	0.075	< 0.0032
SB601	1-2	05/07/12	0.26	< 0.01	< 0.0089	< 0.0098	< 0.0062	0.078	0.19	< 0.0034
SB601	2-3	05/07/12	3.4	< 0.0093	< 0.0079	< 0.0088	< 0.0055	2.3	1.1	< 0.003
SB601	3-4	05/07/12	0.27	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.12	0.15	< 0.0029
SB602	0-1	05/07/12	0.28	< 0.0093	< 0.0079	< 0.0088	< 0.0055	0.14	0.13	< 0.003
SB602	1-2	05/07/12	2.4	< 0.0088	< 0.0075	< 0.0084	< 0.0053	2.4	< 0.0053	< 0.0029
SB602	2-3	05/07/12	0.24	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.13	0.11	< 0.0028
SB603	0-1	05/07/12	0.071	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.033	0.038	< 0.0029
SB603	1-2	05/07/12	0.54	< 0.0088	< 0.0075	< 0.0084	< 0.0053	0.39	0.15	< 0.0029
SB603	2-3	05/07/12	0.065	< 0.0086	< 0.0073	< 0.0082	< 0.0051	0.033	0.018	0.013
SB603	3-4	05/07/12	< 0.0028	< 0.0085	< 0.0073	< 0.0081	< 0.0051	< 0.0061	< 0.0051	< 0.0028
SB604	0-1	05/07/12	1.3	< 0.0089	< 0.0076	< 0.0084	< 0.0053	0.74	0.51	< 0.0029
SB604	1-2	05/07/12	< 0.0029	< 0.0089	< 0.0076	< 0.0084	< 0.0053	< 0.0064	< 0.0053	< 0.0029
SB604	2-3	05/07/12	< 0.0029	< 0.009	< 0.0077	< 0.0085	< 0.0053	< 0.0064	< 0.0053	< 0.0029
SB605	0-1	05/07/12	0.034	< 0.0097	< 0.0082	< 0.0091	< 0.0058	0.034	< 0.0058	< 0.0031
SB605	1-2	05/07/12	0.014	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.014	< 0.0052	< 0.0029
SB605	2-3	05/07/12	0.016	< 0.0086	< 0.0074	< 0.0082	< 0.0051	0.016	< 0.0051	< 0.0028
SB606	2-3	05/07/12	0.2	< 0.0092	< 0.0079	< 0.0087	< 0.0055	0.2	< 0.0055	< 0.003
SB607	0-1	05/07/12	< 0.0027	< 0.0083	< 0.0071	< 0.0079	< 0.0049	< 0.0059	< 0.0049	< 0.0027
SB608	0-1	05/07/12	0.5	< 0.009	< 0.0077	< 0.0085	< 0.0054	0.2	0.3	< 0.0029
SB608	1-2	05/07/12	< 0.0028	< 0.0087	< 0.0074	< 0.0083	< 0.0052	< 0.0063	< 0.0052	< 0.0028
SB609	0-1	05/07/12	0.29	< 0.0086	< 0.0073	< 0.0082	< 0.0051	0.12	0.17	< 0.0028
SB609	1-2	05/07/12	< 0.0027	< 0.0083	< 0.0071	< 0.0079	< 0.005	< 0.006	< 0.005	< 0.0027
SB609	2-3	05/07/12	< 0.0027	< 0.0084	< 0.0071	< 0.0079	< 0.005	< 0.006	< 0.005	< 0.0027
SB610	0-1	05/07/12	< 0.0029	< 0.0089	< 0.0076	< 0.0085	< 0.0053	< 0.0064	< 0.0053	< 0.0029
SB610	1-2	05/07/12	< 0.0028	< 0.0087	< 0.0074	< 0.0082	< 0.0051	< 0.0062	< 0.0051	< 0.0028
SB611	0-1	05/07/12	0.17	< 0.0088	< 0.0075	< 0.0083	< 0.0052	< 0.0063	0.17	< 0.0029
DUP 2 SB611	0-1	05/07/12	0.07	< 0.0086	< 0.0074	< 0.0082	< 0.0051	< 0.0062	0.07	< 0.0028
SB611	1-2	05/07/12	0.1	< 0.0085	< 0.0073	< 0.0081	< 0.0051	0.025	0.067	0.012
SB611	2-3	05/07/12	< 0.0028	< 0.0085	< 0.0072	< 0.008	< 0.0051	< 0.0061	< 0.0051	< 0.0028
SB612	0-1	05/07/12	0.023	< 0.0094	< 0.008	< 0.0089	< 0.0056	0.023	< 0.0056	< 0.003
SB612	1-2	05/07/12	0.59	< 0.0085	< 0.0073	< 0.0081	< 0.0051	0.22	0.37	< 0.0028
SB612	2-3	05/07/12	0.51	< 0.0083	< 0.0071	< 0.0079	< 0.0049	0.17	0.34	< 0.0027
SB613	0-1	05/07/12	0.16	< 0.0087	< 0.0074	< 0.0082	< 0.0052	0.048	0.11	< 0.0028
SB613	1-2	05/07/12	0.22	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.062	0.16	< 0.0028

Table 1. PCB Soil Analytical Results
Soil Remedial Action Plan - PCBs and Metals
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Sample Location	Sample Depth (FT)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
Target Level			*10*							
TSCA Limit			**50**							
SB615	0-1	05/07/12	0.25	< 0.0093	< 0.0079	< 0.0088	< 0.0055	0.024	0.14	0.082
SB615	1-2	05/07/12	0.44	< 0.0087	< 0.0074	< 0.0082	< 0.0051	0.43	< 0.0051	0.017
SB615	2-3	05/07/12	2.0	< 0.0088	< 0.0075	< 0.0083	< 0.0052	1.1	0.86	0.083
SB615	3-4	05/07/12	1.4	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.75	0.65	< 0.0028
SB616	0-1	05/07/12	0.75	< 0.009	< 0.0077	< 0.0085	< 0.0054	0.26	0.5	< 0.0029
SB616	1-2	05/07/12	0.097	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.028	0.07	< 0.0028
SB616	2-3	05/07/12	0.41	< 0.0088	< 0.0075	< 0.0083	< 0.0052	0.12	0.2	0.091

Notes:
1) Parameters that attain or exceed the Cleanup level are italiced.
2) Parameters that attain or exceed the TSCA limit are bolded.

< 0.5 : Parameter not detected above the Limit of Detection indicated.
DUP : Duplicate sample
-- : Analysis not performed.

Table 7. PCB Soil Analytical Results - Transformer Area
Remedial Action Plan for Facility Demolition
Former Wabash Alloys Facility
Oak Creek, Wisconsin

Location	Sample Depth (Inches)	Sample Date	PCB, Total (mg/kg)	PCB-1016 (mg/kg)	PCB-1221 (mg/kg)	PCB-1232 (mg/kg)	PCB-1242 (mg/kg)	PCB-1248 (mg/kg)	PCB-1254 (mg/kg)	PCB-1260 (mg/kg)
TSCA Limit			**50**							
HA-500	0-1	05/08/12	1.7	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.43	1.0	0.2
	1-2	05/08/12	0.78	< 0.0089	< 0.0075	< 0.0084	< 0.0053	< 0.0063	0.78	< 0.0029
	2-3	05/08/12	< 0.003	< 0.0092	< 0.0078	< 0.0087	< 0.0055	< 0.0066	< 0.0055	< 0.003
	3-4	05/08/12	0.03	< 0.009	< 0.0076	< 0.0085	< 0.0053	< 0.0064	0.03	< 0.0029
HA-501	0-1	05/08/12	1.1	< 0.0088	< 0.0075	< 0.0083	< 0.0052	< 0.0063	0.71	0.39
	1-2	05/08/12	1	< 0.0087	< 0.0074	< 0.0083	< 0.0052	< 0.0062	0.66	0.37
	2-3	05/08/12	1.3	< 0.009	< 0.0077	< 0.0085	< 0.0054	0.14	0.78	0.36
	3-4	05/08/12	0.057	< 0.0097	< 0.0083	< 0.0092	< 0.0058	< 0.007	< 0.0058	0.057
	4.5-5	05/08/12	0.057	< 0.0095	< 0.008	< 0.0089	< 0.0056	< 0.0068	< 0.0056	0.057
DUP 1 HA501	2-3	05/08/12	0.49	< 0.0094	< 0.008	< 0.0088	< 0.0056	< 0.0067	0.28	0.21
SB502	0-1	05/11/12	0.2	< 0.0077	< 0.0066	< 0.0073	< 0.0046	0.023	0.13	0.052
	1-2	05/11/12	< 0.0028	< 0.0087	< 0.0074	< 0.0082	< 0.0052	< 0.0062	< 0.0052	< 0.0028
	2-3	05/11/12	< 0.003	< 0.0094	< 0.008	< 0.0089	< 0.0056	< 0.0067	< 0.0056	< 0.003
SB503 (concrete)	-	05/11/12	0.12	< 0.0077	< 0.0066	< 0.0073	< 0.0046	0.027	< 0.0046	0.088
SB503	0-1	05/11/12	< 0.0028	< 0.0087	< 0.0074	< 0.0082	< 0.0051	< 0.0062	< 0.0051	< 0.0028
	1-2	05/11/12	< 0.0028	< 0.0086	< 0.0073	< 0.0081	< 0.0051	< 0.0062	< 0.0051	< 0.0028
	2-3	05/11/12	< 0.0028	< 0.0086	< 0.0073	< 0.0082	< 0.0051	< 0.0062	< 0.0051	< 0.0028
SB504	0-1	05/11/12	0.32	< 0.0077	< 0.0065	< 0.0073	< 0.0046	0.032	0.22	0.069
	1-2	05/11/12	0.62	< 0.0086	< 0.0073	< 0.0081	< 0.0051	0.15	0.4	0.08
	2-3	05/11/12	< 0.003	< 0.0093	< 0.0079	< 0.0088	< 0.0055	< 0.0067	< 0.0055	< 0.003
	3-4	05/11/12	< 0.0029	< 0.0091	< 0.0077	< 0.0086	< 0.0054	< 0.0065	< 0.0054	< 0.0029
SS-1	-	10/22/10	0.982	< 0.0246	< 0.0246	< 0.0246	< 0.0246	< 0.0246	0.76	0.221
SS-2	-	10/22/10	1.64	< 0.0403	< 0.0403	< 0.0403	< 0.0403	< 0.0403	1.32	0.327
SS-3	-	10/22/10	10.5	< 0.517	< 0.517	< 0.517	< 0.517	< 0.517	9.11	1.34
SS-4	-	10/22/10	0.21	< 0.0261	< 0.0261	< 0.0261	< 0.0261	< 0.0261	0.0853	0.125

Notes:

1) Parameters that attain or exceed the TSCA limit are bolded.

2) "SS" sample locations were collected at the surface.

< 0.5 : Parameter not detected above the Limit of Detection indicated.

DUP : Duplicate sample

-- : Analysis not performed.

NATURAL RESOURCE TECHNOLOGY

APPENDIX E

PCBS IN GROUNDWATER DATA SUMMARIZED BY TETRA TECH

Table 8. Summary of Groundwater PCB Analytical Results

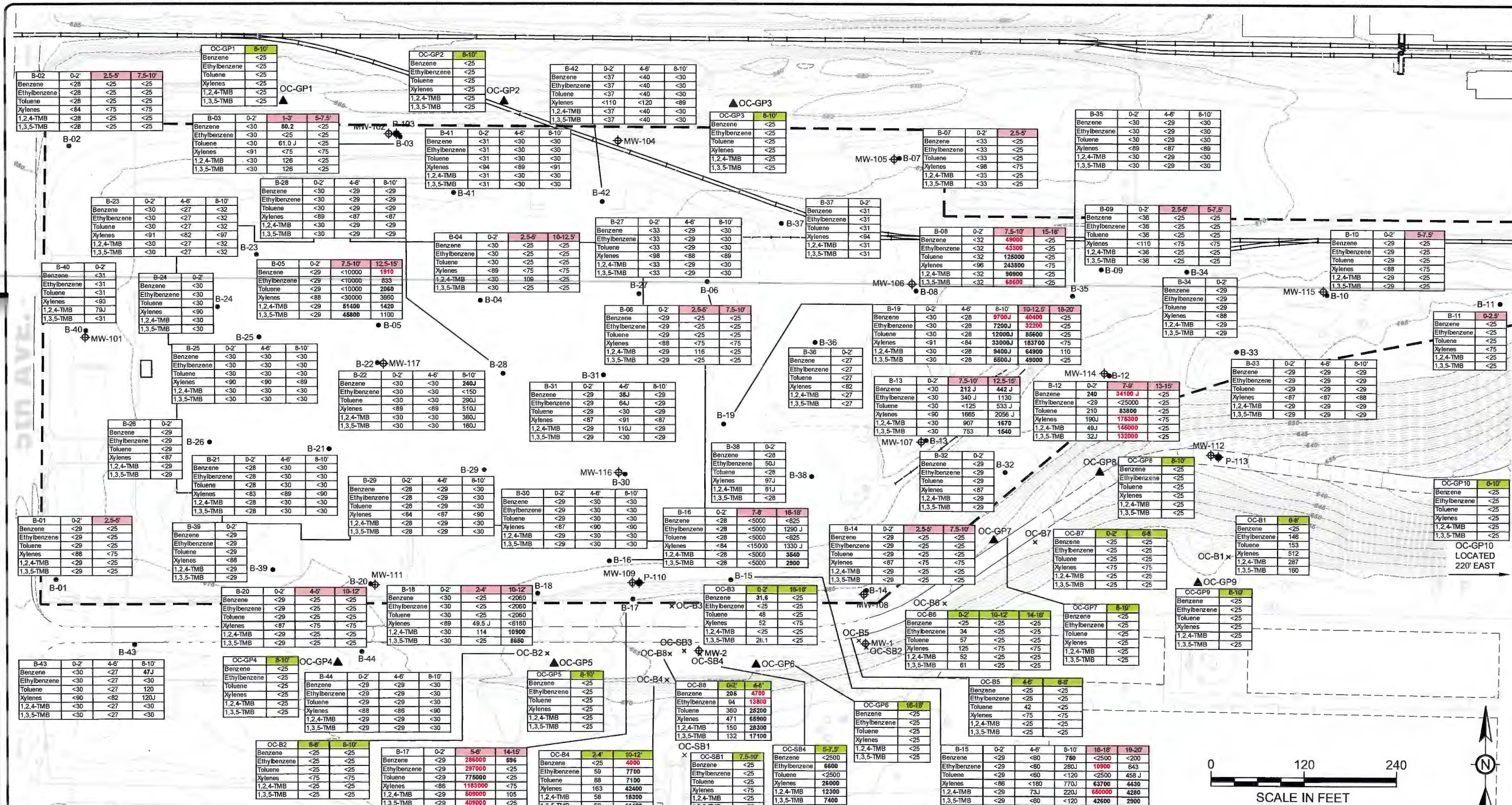
	Units	MW-1	MW-2	MW-101	MW-102	P-103	MW-104	MW-105	MW-106	MW-107	MW-108
		12/29/11	12/28/11	12/22/11	12/29/11	12/22/11	12/30/11	12/30/11		12/22/11	12/28/11
PCB-1016	ug/L	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	<0.047	NS	<0.047	<0.047
PCB-1221	ug/L	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	NS	<0.16	<0.16
PCB-1232	ug/L	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	NS	<0.15	<0.15
PCB-1242	ug/L	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	NS	<0.12	<0.12
PCB-1248	ug/L	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	NS	<0.14	<0.14
PCB-1254	ug/L	<0.093	<0.093	<0.093	<0.093	<0.093	<0.093	<0.093	NS	<0.093	<0.093
PCB-1260	ug/L	<0.072	<0.072	<0.072	<0.072	<0.072	<0.072	<0.072	NS	<0.072	<0.072

	Units	MW-109	P-110	MW-111	MW-112	P-113	MW-114	MW-115	MW-116	MW-117
			12/30/11	12/30/11	12/29/11	12/29/11		12/29/11	12/29/11	12/28/11
PCB-1016	ug/L	NS	<0.047	<0.047	<0.047	<0.047	NS	<0.047	<0.047	<0.47
PCB-1221	ug/L	NS	<0.16	<0.16	<0.16	<0.16	NS	<0.16	<0.16	<1.6
PCB-1232	ug/L	NS	<0.15	<0.15	<0.15	<0.15	NS	<0.15	<0.15	<1.5
PCB-1242	ug/L	NS	<0.12	<0.12	<0.12	<0.12	NS	<0.12	<0.12	<1.2
PCB-1248	ug/L	NS	<0.14	<0.14	<0.14	<0.14	NS	<0.14	<0.14	<1.4
PCB-1254	ug/L	NS	<0.093	<0.093	<0.093	<0.093	NS	<0.093	<0.093	<0.93
PCB-1260	ug/L	NS	<0.072	<0.072	<0.072	<0.072	NS	<0.072	<0.072	<0.72

J: Result is <RL but >MDL; concentration is approximate

APPENDIX F

VOC, SVOC, PAH, AND METALS IN SOIL – MAPS AND TABLES SUMMARIZED BY TETRA TECH



EXPLANATION

MW-101	WATER TABLE WELL
P-103	NESTED PIEZOMETER
B-01	SOIL BORING
OC-SB1	SOIL BORING (CITY OF OAK CREEK)
OC-GP1	GEOPROBE (CITY OF OAK CREEK)
— — —	APPROXIMATE PROPERTY BOUNDARY

SAMPLE ID

VOCs (ug/Kg)

B-42	GW RCL	DC RCL	0-2.5'	14-16'
Benzene	5.1	1,500		
Ethylbenzene	1,570	7,970		
Toluene	1,107	818,000		
Xylenes	3,940	258,000		
1,2,4-TMB	1,394	92,200		
1,3,5-TMB	1,379	64,900		

CONNELL PHASE II

CITY OF OAK CREEK

BOLD RED INDICATES CONCENTRATION EXCEEDS BOTH DIRECT CONTACT AND GROUNDWATER PATHWAY RESIDUAL CLEANUP LEVEL

BOLD INDICATES CONCENTRATION EXCEEDS GROUNDWATER PATHWAY RESIDUAL CLEANUP LEVEL

TITLE: CONNELL LLC PROPERTY VOCs IN SOIL

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN	FIGURE: 4
DRAFTED	HJW	
PROJECT	117-2201220	
DATE	10/16/12	

S:\CAD\BEAZER\WABASH\10-16-12\FIGURE 5 - VOCS SOIL MAP.DWG

EXPLANATION

- MW-101 WATER TABLE WELL
- P-103 NESTED PIEZOMETER
- B-01 SOIL BORING
- OC-SB1 SOIL BORING (CITY OF OAK CREEK)
- OC-GP1 GEOPROBE (CITY OF OAK CREEK)
- APPROXIMATE PROPERTY BOUNDARY

B-01	0-2'	0.09

SAMPLE DEPTH; TOTAL PAH/SVOC (mg/Kg)

WHITE - PAH (B-01)
YELLOW - SVOC (B-02)
MAGENTA - PAH (B-03) — CONNELL PHASE II
GREEN - PAH (OC-B1) — CITY OF OAK CREEK

0.33 — BOLD INDICATES CONCENTRATION EXCEEDS THE NON-INDUSTRIAL DIRECT CONTACT RCL OF 0.02 mg/Kg

10.84 — BOLD AND RED INDICATES CONCENTRATION EXCEEDS THE NON-INDUSTRIAL DIRECT CONTACT RCL OF 0.02 mg/Kg AND THE PROTECTION OF GROUNDWATER RCL OF 0.47 mg/Kg

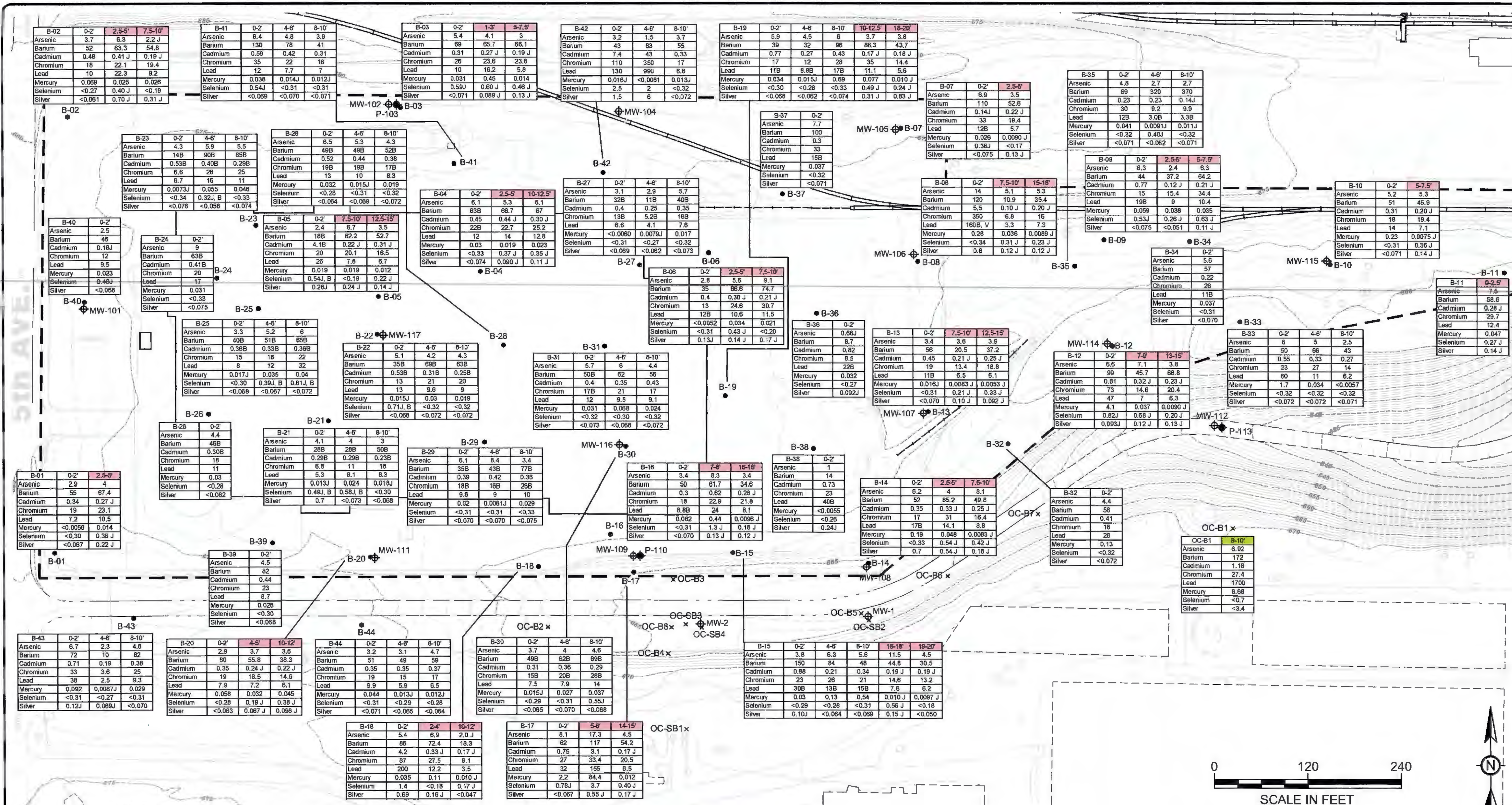
TITLE: CONNELL LLC PROPERTY
BENZO(A)PYRENE EQUIVALENTS IN SOIL

LOCATION: OAK CREEK, WISCONSIN

TETRATECH

CHECKED	MRN	FIGURE:
DRAFTED	HJW	5
PROJECT	117-2201220	
DATE	11/15/12	

S:\CAD\BEAZER\WABASH\10-16-12\FIGURE 6 - BAP SOIL MAP.DWG



EXPLANATION

⊕	MW-101	WATER TABLE WELL
+	P-103	NESTED PIEZOMETER
●	B-01	SOIL BORING
×	OC-SB1	SOIL BORING (CITY OF OAK CREEK)
— — —		APPROXIMATE PROPERTY BOUNDARY

SAMPLE ID — SAMPLE DEPTH — CITY OF OAK CREEK — CONNELL PHASE II

METALS (mg/Kg)

B-32	0-2'	0-2.5'	14-16'
Arsenic	4.4		
Barium	56		
Cadmium	0.41		
Chromium	18		
Lead	28		
Mercury	0.13		
Selenium	<0.32		
Silver	<0.072		

S:\CAD\Beazer\Wabash\1-11-12\Metals Soil Map.dwg

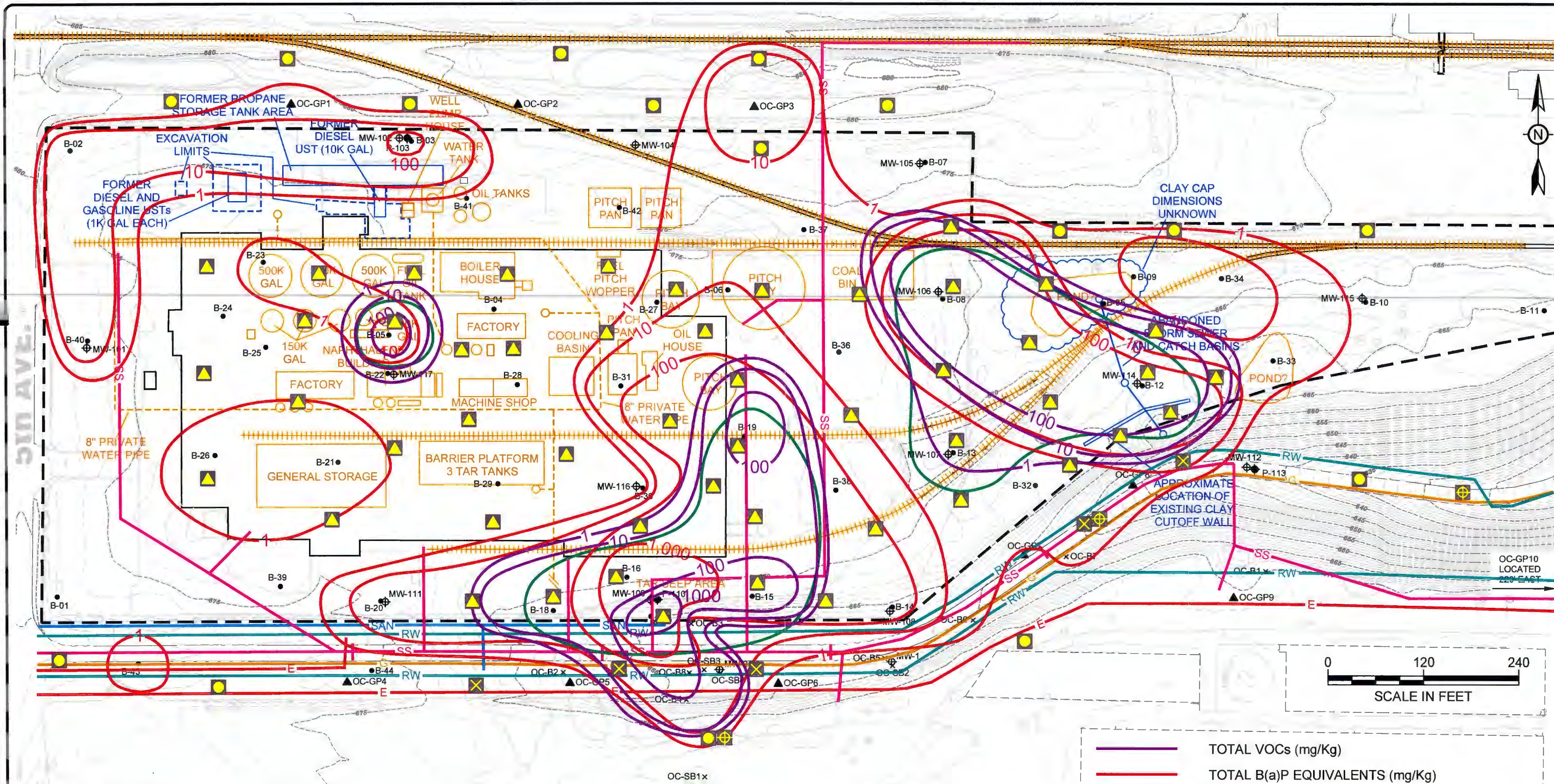
TITLE: CONNELL LLC PROPERTY
METALS IN SOIL

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN
DRAFTED	HJW
PROJECT	117-2201220
DATE	2/1/12

FIGURE: 4



EXPLANATION

MW-101	WATER TABLE WELL
P-103	NESTED PIEZOMETER
B-01	SOIL BORING
× OC-SB1	SOIL BORING (CITY OF OAK CREEK)
▲ OC-GP1	GEOPROBE (CITY OF OAK CREEK)
— — —	APPROXIMATE PROPERTY BOUNDARY

—SAN—	SANITARY
—SS—	STORM SEWER
—E—	ELECTRICAL
—G—	NATURAL GAS
—RW—	RAW WATER
	FORMER TAR PLANT STRUCTURES
	PAST REMEDIAL ACTIVITIES

PROPOSED INVESTIGATION

●	VOC, PAH, AND PCB SAMPLING (0-2' AND HIGHEST PID BELOW WATER TABLE)
▲	TarGOST® OR VISUAL TAR OBSERVATION (0-15')
⊕	MONITORING WELL
☒	TarGOST® OR VISUAL TAR OBSERVATION (0-15') & VOC, PAH, AND PCB SAMPLING (0-2' AND HIGHEST PID BELOW WATER TABLE)

TITLE: CONNELL LLC PROPERTY
COMPOSITE ISOCONCENTRATION MAPS AND PROPOSED INVESTIGATION/SAMPLING LOCATIONS

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN	FIGURE:
DRAFTED	HJW	
PROJECT	117-2201220	11
DATE	11/20/12	

S:\CAD\BEAZER\WABASH\10-16-12\FIGURE 15 - SOIL DELINEATION COMPOSITE.DWG

Table 1. Summary of Soil VOC Analytical Results

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-01 0-2'	B-02 0-2'	B-03 0-2'	B-04 0-2'	B-05 0-2'	B-06 0-2'	B-07 0-2'	B-08 0-2'	B-09 0-2'	B-10 0-2'	B-12 0-2'	B-13 0-2'	B-14 0-2'	B-15 0-2'	B-15 4-6'	B-15 8-10'	B-16 0-2'	B-17 0-2'
1,1,1,2-Tetrachloroethane	2,630	53	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,1,1-Trichloroethane	677,000	14	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,1,2,2-Tetrachloroethane	754	0.16	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,1,2-Trichloroethane	1,470	3.2	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,1-Dichloroethane	600	480	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,1-Dichloroethene	333,000	5	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,1-Dichloropropene			ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,2,3-Trichlorobenzene	81,100		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,2,3-Trichloropropane	91.3	52	ug/kg	<58	<56	<61	<59	<58	<58	<65	<64	<72	<58	<59	<60	<58	<57	<120	<250	<56	<57
1,2,4-Trichlorobenzene	115,000	410	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,2,4-Trimethylbenzene	92,200	1,394	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	49J	<30	<29	<29	73J	220J	<28	<29
1,2-Dibromo-3-chloropropane	7.67	0.2	ug/kg	<58	<56	<61	<59	<58	<58	<65	<64	<72	<58	<59	<60	<58	<57	<120	<250	<56	<57
1,2-Dibromoethane (EDB)	45.5	0.03	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,2-Dichlorobenzene	222,000	1170	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,2-Dichloroethane	600	2.8	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,2-Dichloropropane	1,260	3.3	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,3,5-Trimethylbenzene	64,900	1,379	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	32J	<30	<29	<29	<60	<120	<28	<29
1,3-Dichlorobenzene	341,000		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,3-Dichloropropane	1,560,000	0.3	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
1,4-Dichlorobenzene	3,560	140	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
2,2-Dichloropropane			ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
2-Chlorotoluene			ug/kg	<58	<56	<61	<59	<58	<58	<65	<64	<72	<58	<59	<60	<58	<57	<120	<250	<56	<57
4-Chlorotoluene			ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Benzene	1,500	5.1	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	**240**	<30	<29	<29	<60	**750**	<28	<29
Bromobenzene	12,600		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Bromochloromethane	4,240,000		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Bromodichloromethane	383	0.3	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Bromoform	61,500	2.3	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Bromomethane	10,500	5.1	ug/kg	<120	<110	<120	<120	<120	<120	<130	<130	<140	<120	<120	<120	<120	<110	<240	<500	<110	<110
Carbon Tetrachloride	342	3.9	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Chlorobenzene	396,000		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Chlorodibromomethane			ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Chloroethane			ug/kg	<58	<56	<61	<59	<58	<58	<65	<64	<72	<58	<59	<60	<58	<57	<120	<250	<56	<57
Chloroform	415	3.3	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Chloromethane	165,000	15.5	ug/kg	<58	<56	<61	<59	<58	<58	<65	<64	<72	<58	<59	<60	<58	<57	<120	<250	<56	<57
cis-1,2-Dichloroethene	782,000	41.2	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
cis-1,3-Dichloropropene	1,700,000	0.3	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Dibromomethane			ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Dichlorodifluoromethane	254,000	3080	ug/kg	<58	<56	<61	<59	<58	<58	<65	<64	<72	<58	<59	<60	<58	<57	<120	<250	<56	<57
Ethylbenzene	7,470	1,570	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	280J	<28	<29
Hexachlorobutadiene	6,222		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Isopropyl Ether			ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Isopropylbenzene			ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Methyl tert-Butyl Ether	51,400	27	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Methylene Chloride	14,300	2.5	ug/kg	<58	<56	<61	<59	<58	<58	<65	<64	<72	<58	<59	<60	<58	<57	<120	<250	<56	<57
Naphthalene	5,150	658.7	ug/kg	<58	420	<61	<59	<58	<58	<65	390	<72	<58	***7500***	<60	**850**	<57	***10000***	***23000***	190	520
n-Butylbenzene	127,000		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
n-Propylbenzene			ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
p-Isopropyltoluene	190,000		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
sec-Butylbenzene	171,000		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Styrene	1,000,000	220	ug/kg	<58	<56	<61	<59	<58	<58	<65	<64	<72	<58	<59	<60	<58	<57	<120	<250	<56	<57
tert-Butylbenzene	215,000		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Tetrachloroethene	660	4.5	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Toluene	818,000	1,107	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	210	<30	<29	<29	<60	<120	<28	<29
trans-1,2-Dichloroethene	151,000	58.9	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
trans-1,3-Dichloropropene	1,660,000	0.3	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Trichloroethene	3,810	3.6	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Trichlorofluoromethane	1,080,000		ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Vinyl chloride	66.4	0.14	ug/kg	<29	<28	<30	<30	<29	<29	<33	<32	<36	<29	<29	<30	<29	<29	<60	<120	<28	<29
Xylenes, total	258,000	3,940	ug/kg	<88	<84	<91	<89	<88	<88	<98	<96	<110	<88	190J	<90	<87	<86	<180	770J	<84	<86

J: Result is <RL but >MDL; concentration is approximate

Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

Table 1. Summary of Soil VOC Analytical Results

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-18 0-2'	B-19 0-2'	B-19 4-6'	B-19 8-10'	B-20 0-2'	B-21 0-2'	B-21 4-6'	B-21 8-10'	B-22 0-2'	B-22 4-6'	B-22 8-10'	B-23 0-2'	B-23 4-6'	B-23 8-10'	B-24 0-2'	B-25 0-2'	B-25 4-6'	B-25 8-10'
1,1,1,2-Tetrachloroethane	2,630	53	ug/kg	<30	<30	<28	<28	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,1,1-Trichloroethane	677,000	14	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,1,2,2-Tetrachloroethane	754	0.16	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,1,2-Trichloroethane	1,470	3.2	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,1-Dichloroethane	600	480	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,1-Dichloroethene	333,000	5	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,1-Dichloropropene			ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,2,3-Trichlorobenzene	81,100		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,2,3-Trichloropropane	91.3	52	ug/kg	<59	<61	<56	<6400	<58	<56	<59	<60	<59	<59	<310	<61	<54	<65	<60	<60	<60	<59
1,2,4-Trichlorobenzene	115,000	410	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,2,4-Trimethylbenzene	92,200	1,394	ug/kg	<30	<30	<28	**9400J**	<29	<28	<30	<30	<30	<30	360J	<30	<27	<32	<30	<30	<30	<30
1,2-Dibromo-3-chloropropane	7.67	0.2	ug/kg	<59	<61	<56	<6400	<58	<56	<59	<60	<59	<59	<310	<61	<54	<65	<60	<60	<60	<59
1,2-Dibromoethane (EDB)	45.5	0.03	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,2-Dichlorobenzene	222,000	1170	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,2-Dichloroethane	600	2.8	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,2-Dichloropropane	1,260	3.3	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,3,5-Trimethylbenzene	64,900	1,379	ug/kg	<30	<30	<28	**5500J**	<29	<28	<30	<30	<30	<30	160J	<30	<27	<32	<30	<30	<30	<30
1,3-Dichlorobenzene	341,000		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,3-Dichloropropane	1,560,000	0.3	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
1,4-Dichlorobenzene	3,560	140	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
2,2-Dichloropropane			ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
2-Chlorotoluene			ug/kg	<59	<61	<56	<6400	<58	<56	<59	<60	<59	<59	<310	<61	<54	<65	<60	<60	<60	<59
4-Chlorotoluene			ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Benzene	1,500	5.1	ug/kg	<30	<30	<28	***9700J***	<29	<28	<30	<30	<30	<30	**240J**	<30	<27	<32	<30	<30	<30	<30
Bromobenzene	12,600		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Bromochloromethane	4,240,000		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Bromodichloromethane	383	0.3	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Bromoform	61,500	2.3	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Bromomethane	10,500	5.1	ug/kg	<120	<120	<110	<13000	<120	<110	<120	<120	<120	<120	<610	<120	<110	<130	<120	<120	<120	<120
Carbon Tetrachloride	342	3.9	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Chlorobenzene	396,000		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Chlorodibromomethane			ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Chloroethane			ug/kg	<59	<61	<56	<6400	<58	<56	<59	<60	<59	<59	<310	<61	<54	<65	<60	<60	<60	<59
Chloroform	415	3.3	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Chloromethane	165,000	15.5	ug/kg	<59	<61	<56	<6400	<58	<56	<59	<60	<59	<59	<310	<61	<54	<65	<60	<60	<60	<59
cis-1,2-Dichloroethene	782,000	41.2	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
cis-1,3-Dichloropropene	1,700,000	0.3	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Dibromomethane			ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Dichlorodifluoromethane	254,000	3080	ug/kg	<59	<61	<56	<6400	<58	<56	<59	<60	<59	<59	<310	<61	<54	<65	<60	<60	<60	<59
Ethylbenzene	7,470	1,570	ug/kg	<30	<30	<28	**7200J**	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Hexachlorobutadiene	6,222		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Isopropyl Ether			ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Isopropylbenzene			ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Methyl tert-Butyl Ether	51,400	27	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Methylene Chloride	14,300	2.5	ug/kg	<59	<61	<56	<6400	<58	<56	<59	<60	<59	<59	<310	<61	<54	<65	<60	<60	<60	<59
Naphthalene	5,150	658.7	ug/kg	76J	320	71J	***750000***	**930**	<56	<59	<60	<59	<59	***53000***	<61	<54	540	<60	<60	<60	<59
n-Butylbenzene	127,000		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
n-Propylbenzene			ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
p-Isopropyltoluene	190,000		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
sec-Butylbenzene	171,000		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Styrene	1,000,000	220	ug/kg	<59	<61	<56	<6400	<58	<56	<59	<60	<59	<59	<310	<61	<54	<65	<60	<60	<60	<59
tert-Butylbenzene	215,000		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Tetrachloroethene	660	4.5	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Toluene	818,000	1,107	ug/kg	<30	<30	<28	**12000J**	<29	<28	<30	<30	<30	<30	290J	<30	<27	<32	<30	<30	<30	<30
trans-1,2-Dichloroethene	151,000	58.9	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
trans-1,3-Dichloropropene	1,660,000	0.3	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Trichloroethene	3,810	3.6	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Trichlorofluoromethane	1,080,000		ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Vinyl chloride	66.4	0.14	ug/kg	<30	<30	<28	<3200	<29	<28	<30	<30	<30	<30	<150	<30	<27	<32	<30	<30	<30	<30
Xylenes, total	258,000	3,940	ug/kg	<89	<91	<84	**33000J**	<87	<83	<89	<90	<89	<89	510J	<91	<82	<97	<90	<90	<90	<89

J: Result is <RL but >MDL; concentration is approximate

Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-26 0-2'	B-27 0-2'	B-27 4-6'	B-27 8-10'	B-28 0-2'	B-28 4-6'	B-28 8-10'	B-29 0-2'	B-29 4-6'	B-29 8-10'	B-30 0-2'	B-30 4-6'	B-30 8-10'	B-31 0-2'	B-31 4-6'	B-31 8-10'	B-32 0-2'	B-33 0-2'
1,1,1,2-Tetrachloroethane	2,630	53	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,1,1-Trichloroethane	677,000	14	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,1,2,2-Tetrachloroethane	754	0.16	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,1,2-Trichloroethane	1,470	3.2	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,1-Dichloroethane	600	480	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,1-Dichloroethene	333,000	5	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,1-Dichloropropene			ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,2,3-Trichlorobenzene	81,100		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,2,3-Trichloropropane	91.3	52	ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	<61	<58	<58	<58
1,2,4-Trichlorobenzene	115,000	410	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,2,4-Trimethylbenzene	92,200	1,394	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	110J	<29	<29	<29
1,2-Dibromo-3-chloropropane	7.67	0.2	ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	<61	<58	<58	<58
1,2-Dibromoethane (EDB)	45.5	0.03	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,2-Dichlorobenzene	222,000	1170	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,2-Dichloroethane	600	2.8	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,2-Dichloropropane	1,260	3.3	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,3,5-Trimethylbenzene	64,900	1,379	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,3-Dichlorobenzene	341,000		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,3-Dichloropropane	1,560,000	0.3	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
1,4-Dichlorobenzene	3,560	140	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
2,2-Dichloropropane			ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
2-Chlorotoluene			ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	<61	<58	<58	<58
4-Chlorotoluene			ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Benzene	1,500	5.1	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	**38J**	<29	<29	<29
Bromobenzene	12,600		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Bromochloromethane	4,240,000		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Bromodichloromethane	383	0.3	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Bromoform	61,500	2.3	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Bromomethane	10,500	5.1	ug/kg	<120	<130	<120	<120	<120	<120	<120	<110	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120
Carbon Tetrachloride	342	3.9	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Chlorobenzene	396,000		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Chlorodibromomethane			ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Chloroethane			ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	<61	<58	<58	<58
Chloroform	415	3.3	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Chloromethane	165,000	15.5	ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	<61	<58	<58	<58
cis-1,2-Dichloroethene	782,000	41.2	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
cis-1,3-Dichloropropene	1,700,000	0.3	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Dibromomethane			ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Dichlorodifluoromethane	254,000	3080	ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	<61	<58	<58	<58
Ethylbenzene	7,470	1,570	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	64J	<29	<29	<29
Hexachlorobutadiene	6,222		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Isopropyl Ether			ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Isopropylbenzene			ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Methyl tert-Butyl Ether	51,400	27	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Methylene Chloride	14,300	2.5	ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	<61	<58	<58	<58
Naphthalene	5,150	658.7	ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	***20000***	380	200	210
n-Butylbenzene	127,000		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
n-Propylbenzene			ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
p-Isopropyltoluene	190,000		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
sec-Butylbenzene	171,000		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Styrene	1,000,000	220	ug/kg	<58	<65	<58	<59	<59	<58	<58	<56	<58	<60	<58	<60	<60	<58	<61	<58	<58	<58
tert-Butylbenzene	215,000		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Tetrachloroethene	660	4.5	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Toluene	818,000	1,107	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
trans-1,2-Dichloroethene	151,000	58.9	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
trans-1,3-Dichloropropene	1,660,000	0.3	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Trichloroethene	3,810	3.6	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Trichlorofluoromethane	1,080,000		ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Vinyl chloride	66.4	0.14	ug/kg	<29	<33	<29	<30	<30	<29	<29	<28	<29	<30	<29	<30	<30	<29	<30	<29	<29	<29
Xylenes, total	258,000	3,940	ug/kg	<87	<98	<88	<89	<89	<87	<87	<84	<87	<90	<87	<90	<90	<87	<91	<87	<87	<87

J: Result is <RL but >MDL; concentration is approximate

Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

Table 1. Summary of Soil VOC Analytical Results

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-33 4-6'	B-33 8-10'	B-34 0-2'	B-35 0-2'	B-35 4-6'	B-35 8-10'	B-36 0-2'	B-37 0-2'	B-38 0-2'	B-39 0-2'	B-40 0-2'	B-41 0-2'	B-41 4-6'	B-41 8-10'	B-42 0-2'	B-42 4-6'	B-42 8-10'	B-43 0-2'
1,1,1,2-Tetrachloroethane	2,630	53	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,1,1-Trichloroethane	677,000	14	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,1,2,2-Tetrachloroethane	754	0.16	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,1,2-Trichloroethane	1,470	3.2	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,1-Dichloroethane	600	480	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,1-Dichloroethene	333,000	5	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,1-Dichloropropene			ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,2,3-Trichlorobenzene	81,100		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,2,3-Trichloropropane	91.3	52	ug/kg	<58	<59	<59	<60	<58	<59	<54	<63	<56	<58	<62	<63	<60	<60	<74	<80	<59	<60
1,2,4-Trichlorobenzene	115,000	410	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,2,4-Trimethylbenzene	92,200	1,394	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	61J	<29	79J	<31	<30	<30	<37	<40	<30	<30
1,2-Dibromo-3-chloropropane	7.67	0.2	ug/kg	<58	<59	<59	<60	<58	<59	<54	<63	<56	<58	<62	<63	<60	<60	<74	<80	<59	<60
1,2-Dibromoethane (EDB)	45.5	0.03	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,2-Dichlorobenzene	222,000	1170	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,2-Dichloroethane	600	2.8	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,2-Dichloropropane	1,260	3.3	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,3,5-Trimethylbenzene	64,900	1,379	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,3-Dichlorobenzene	341,000		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,3-Dichloropropane	1,560,000	0.3	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
1,4-Dichlorobenzene	3,560	140	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
2,2-Dichloropropane			ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
2-Chlorotoluene			ug/kg	<58	<59	<59	<60	<58	<59	<54	<63	<56	<58	<62	<63	<60	<60	<74	<80	<59	<60
4-Chlorotoluene			ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Benzene	1,500	5.1	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Bromobenzene	12,600		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Bromochloromethane	4,240,000		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Bromodichloromethane	383	0.3	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Bromoform	61,500	2.3	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Bromomethane	10,500	5.1	ug/kg	<120	<120	<120	<120	<120	<120	<110	<130	<110	<120	<120	<130	<120	<120	<150	<160	<120	<120
Carbon Tetrachloride	342	3.9	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Chlorobenzene	396,000		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Chlorodibromomethane			ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Chloroethane			ug/kg	<58	<59	<59	<60	<58	<59	<54	<63	<56	<58	<62	<63	<60	<60	<74	<80	<59	<60
Chloroform	415	3.3	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Chloromethane	165,000	15.5	ug/kg	<58	<59	<59	<60	<58	<59	<54	<63	<56	<58	<62	<63	<60	<60	<74	<80	<59	<60
cis-1,2-Dichloroethene	782,000	41.2	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
cis-1,3-Dichloropropene	1,700,000	0.3	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Dibromomethane			ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Dichlorodifluoromethane	254,000	3080	ug/kg	<58	<59	<59	<60	<58	<59	<54	<63	<56	<58	<62	<63	<60	<60	<74	<80	<59	<60
Ethylbenzene	7,470	1,570	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	50J	<29	<31	<31	<30	<30	<37	<40	<30	<30
Hexachlorobutadiene	6,222		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Isopropyl Ether			ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Isopropylbenzene			ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Methyl tert-Butyl Ether	51,400	27	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Methylene Chloride	14,300	2.5	ug/kg	<58	<59	<59	<60	<58	<59	<54	<63	<56	<58	<62	<63	<60	<60	<74	<80	<59	<60
Naphthalene	5,150	658.7	ug/kg	<58	<59	240	370	<58	<59	<54	<63	**1500**	<58	**2500**	<63	<60	<60	<74	<80	<59	140
n-Butylbenzene	127,000		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	150	<31	<30	<30	<37	<40	<30	<30
n-Propylbenzene			ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
p-Isopropyltoluene	190,000		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	54J	<31	<30	<30	<37	<40	<30	<30
sec-Butylbenzene	171,000		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	52J	<31	<30	<30	<37	<40	<30	<30
Styrene	1,000,000	220	ug/kg	<58	<59	<59	<60	<58	<59	<54	<63	<56	<58	<62	<63	<60	<60	<74	<80	<59	<60
tert-Butylbenzene	215,000		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Tetrachloroethene	660	4.5	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Toluene	818,000	1,107	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
trans-1,2-Dichloroethene	151,000	58.9	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
trans-1,3-Dichloropropene	1,660,000	0.3	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Trichloroethene	3,810	3.6	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Trichlorofluoromethane	1,080,000		ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Vinyl chloride	66.4	0.14	ug/kg	<29	<29	<29	<30	<29	<30	<27	<31	<28	<29	<31	<31	<30	<30	<37	<40	<30	<30
Xylenes, total	258,000	3,940	ug/kg	<87	<88	<88	<89	<87	<89	<82	<94	97J	<88	<93	<94	<89	<91	<110	<120	<89	<90

J: Result is <RL but >MDL; concentration is approximate

Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

Table 1. Summary of Soil VOC Analytical Results

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-43 4-6'	B-43 8-10'	B-44 0-2'	B-44 4-6'	B-44 8-10'
1,1,1,2-Tetrachloroethane	2,630	53	ug/kg	<27	<30	<29	<29	<30
1,1,1-Trichloroethane	677,000	14	ug/kg	<27	<30	<29	<29	<30
1,1,2,2-Tetrachloroethane	754	0.16	ug/kg	<27	<30	<29	<29	<30
1,1,2-Trichloroethane	1,470	3.2	ug/kg	<27	<30	<29	<29	<30
1,1-Dichloroethane	600	480	ug/kg	<27	<30	<29	<29	<30
1,1-Dichloroethene	333,000	5	ug/kg	<27	<30	<29	<29	<30
1,1-Dichloropropene			ug/kg	<27	<30	<29	<29	<30
1,2,3-Trichlorobenzene	81,100		ug/kg	<27	<30	<29	<29	<30
1,2,3-Trichloropropane	91.3	52	ug/kg	<54	<61	<58	<57	<60
1,2,4-Trichlorobenzene	115,000	410	ug/kg	<27	<30	<29	<29	<30
1,2,4-Trimethylbenzene	92,200	1,394	ug/kg	<27	<30	<29	<29	<30
1,2-Dibromo-3-chloropropane	7.67	0.2	ug/kg	<54	<61	<58	<57	<60
1,2-Dibromoethane (EDB)	45.5	0.03	ug/kg	<27	<30	<29	<29	<30
1,2-Dichlorobenzene	222,000	1170	ug/kg	<27	<30	<29	<29	<30
1,2-Dichloroethane	600	2.8	ug/kg	<27	<30	<29	<29	<30
1,2-Dichloropropane	1,260	3.3	ug/kg	<27	<30	<29	<29	<30
1,3,5-Trimethylbenzene	64,900	1,379	ug/kg	<27	<30	<29	<29	<30
1,3-Dichlorobenzene	341,000		ug/kg	<27	<30	<29	<29	<30
1,3-Dichloropropane	1,560,000	0.3	ug/kg	<27	<30	<29	<29	<30
1,4-Dichlorobenzene	3,560	140	ug/kg	<27	<30	<29	<29	<30
2,2-Dichloropropane			ug/kg	<27	<30	<29	<29	<30
2-Chlorotoluene			ug/kg	<54	<61	<58	<57	<60
4-Chlorotoluene			ug/kg	<27	<30	<29	<29	<30
Benzene	1,500	5.1	ug/kg	<27	**47J**	<29	<29	<30
Bromobenzene	12,600		ug/kg	<27	<30	<29	<29	<30
Bromochloromethane	4,240,000		ug/kg	<27	<30	<29	<29	<30
Bromodichloromethane	383	0.3	ug/kg	<27	<30	<29	<29	<30
Bromoform	61,500	2.3	ug/kg	<27	<30	<29	<29	<30
Bromomethane	10,500	5.1	ug/kg	<110	<120	<120	<110	<120
Carbon Tetrachloride	342	3.9	ug/kg	<27	<30	<29	<29	<30
Chlorobenzene	396,000		ug/kg	<27	<30	<29	<29	<30
Chlorodibromomethane			ug/kg	<27	<30	<29	<29	<30
Chloroethane			ug/kg	<54	<61	<58	<57	<60
Chloroform	415	3.3	ug/kg	<27	<30	<29	<29	<30
Chloromethane	165,000	15.5	ug/kg	<54	<61	<58	<57	<60
cis-1,2-Dichloroethene	782,000	41.2	ug/kg	<27	<30	<29	<29	<30
cis-1,3-Dichloropropene	1,700,000	0.3	ug/kg	<27	<30	<29	<29	<30
Dibromomethane			ug/kg	<27	<30	<29	<29	<30
Dichlorodifluoromethane	254,000	3080	ug/kg	<54	<61	<58	<57	<60
Ethylbenzene	7,470	1,570	ug/kg	<27	<30	<29	<29	<30
Hexachlorobutadiene	6,222		ug/kg	<27	<30	<29	<29	<30
Isopropyl Ether			ug/kg	<27	<30	<29	<29	<30
Isopropylbenzene			ug/kg	<27	<30	<29	<29	<30
Methyl tert-Butyl Ether	51,400	27	ug/kg	<27	<30	<29	<29	<30
Methylene Chloride	14,300	2.5	ug/kg	<54	<61	<58	<57	<60
Naphthalene	5,150	658.7	ug/kg	<54	<61	<58	<57	<60
n-Butylbenzene	127,000		ug/kg	<27	<30	<29	<29	<30
n-Propylbenzene			ug/kg	<27	<30	<29	<29	<30
p-Isopropyltoluene	190,000		ug/kg	<27	<30	<29	<29	<30
sec-Butylbenzene	171,000		ug/kg	<27	<30	<29	<29	<30
Styrene	1,000,000	220	ug/kg	<54	<61	<58	<57	<60
tert-Butylbenzene	215,000		ug/kg	<27	<30	<29	<29	<30
Tetrachloroethene	660	4.5	ug/kg	<27	<30	<29	<29	<30
Toluene	818,000	1,107	ug/kg	<27	120	<29	<29	<30
trans-1,2-Dichloroethene	151,000	58.9	ug/kg	<27	<30	<29	<29	<30
trans-1,3-Dichloropropene	1,660,000	0.3	ug/kg	<27	<30	<29	<29	<30
Trichloroethene	3,810	3.6	ug/kg	<27	<30	<29	<29	<30
Trichlorofluoromethane	1,080,000		ug/kg	<27	<30	<29	<29	<30
Vinyl chloride	66.4	0.14	ug/kg	<27	<30	<29	<29	<30
Xylenes, total	258,000	3,940	ug/kg	<82	120J	<88	<86	<90

J: Result is <RL but >MDL; concentration is approximate

Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-01	B-02	B-03	B-04	B-05	B-06	B-07	B-08	B-09	B-10	B-12	B-13	B-14	B-15	B-15	B-15	B-16	B-17	B-18	B-19
				0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	4-6'	8-10'	0-2'	0-2'	0-2'	0-2'
1-Methylnaphthalene	22.1		mg/kg	<0.019	NA	0.019J	<0.019	NA	0.078	<0.021	4.6	0.73	<0.019	5.9	NA	0.69	NA	NA	NA	0.42	14	0.12	0.55
1,2,4-Trichlorobenzene			mg/kg	NA	<0.20	NA	NA	<0.043	NA	NA	NA	NA	NA	NA	<0.043	NA	<0.043	<2.3	<2.3	NA	NA	NA	NA
1,2-Dichlorobenzene			mg/kg	NA	<0.20	NA	NA	<0.042	NA	NA	NA	NA	NA	NA	<0.042	NA	<0.042	<2.2	<2.2	NA	NA	NA	NA
1,3-Dichlorobenzene			mg/kg	NA	<0.19	NA	NA	<0.040	NA	NA	NA	NA	NA	NA	<0.040	NA	<0.040	<2.1	<2.2	NA	NA	NA	NA
1,4-Dichlorobenzene			mg/kg	NA	<0.19	NA	NA	<0.040	NA	NA	NA	NA	NA	NA	<0.040	NA	<0.040	<2.1	<2.2	NA	NA	NA	NA
2,4,5-Trichlorophenol			mg/kg	NA	<0.51	NA	NA	<0.11	NA	NA	NA	NA	NA	NA	<0.11	NA	<0.11	<5.7	<5.9	NA	NA	NA	NA
2,4,6-Trichlorophenol			mg/kg	NA	<0.23	NA	NA	<0.048	NA	NA	NA	NA	NA	NA	<0.048	NA	<0.048	<2.5	<2.6	NA	NA	NA	NA
2,4-Dichlorophenol			mg/kg	NA	<0.55	NA	NA	<0.12	NA	NA	NA	NA	NA	NA	<0.12	NA	<0.12	<6.1	<6.2	NA	NA	NA	NA
2,4-Dimethylphenol	1220		mg/kg	NA	<0.56	NA	NA	<0.12	NA	NA	NA	NA	NA	NA	<0.12	NA	<0.12	<6.3	<6.4	NA	NA	NA	NA
2,4-Dinitrophenol			mg/kg	NA	<0.92	NA	NA	<0.20	NA	NA	NA	NA	NA	NA	<0.20	NA	<0.19	<10	<11	NA	NA	NA	NA
2,4-Dinitrotoluene			mg/kg	NA	<0.28	NA	NA	<0.059	NA	NA	NA	NA	NA	NA	<0.059	NA	<0.058	<3.1	<3.1	NA	NA	NA	NA
2,6-Dinitrotoluene			mg/kg	NA	<0.21	NA	NA	<0.045	NA	NA	NA	NA	NA	NA	<0.046	NA	<0.045	<2.4	<2.4	NA	NA	NA	NA
2-Chloronaphthalene			mg/kg	NA	<0.20	NA	NA	<0.043	NA	NA	NA	NA	NA	NA	<0.043	NA	<0.043	<2.3	<2.3	NA	NA	NA	NA
2-Chlorophenol			mg/kg	NA	<0.26	NA	NA	<0.055	NA	NA	NA	NA	NA	NA	<0.055	NA	<0.054	<2.9	<2.9	NA	NA	NA	NA
2-Methylnaphthalene	313		mg/kg	<0.049	0.36J	<0.050	<0.050	<0.050	<0.048	<0.056	4.6J	0.70J	<0.050	7.9	<0.050	0.77J	<0.049	43	4.8J	0.44	23	0.19	0.59
2-Methylphenol			mg/kg	NA	<0.24	NA	NA	<0.051	NA	NA	NA	NA	NA	NA	<0.051	NA	<0.051	<2.7	<2.7	NA	NA	NA	NA
2-Nitroaniline			mg/kg	NA	<0.32	NA	NA	<0.069	NA	NA	NA	NA	NA	NA	<0.069	NA	<0.069	<3.6	<3.7	NA	NA	NA	NA
~~2-Nitrophenol~~			~~mg/kg~~	~~NA~~	~~<0.28~~	~~NA~~	~~NA~~	~~<0.060~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~NA~~	~~<0.060~~	~~NA~~	~~<0.060~~	~~<3.1~~	~~<3.2~~	NA	NA	NA	NA
3 & 4 Methylphenol			mg/kg	NA	<0.34	NA	NA	<0.072	NA	NA	NA	NA	NA	NA	<0.072	NA	<0.072	<3.8	<3.9	NA	NA	NA	NA
3,3'-Dichlorobenzidine			mg/kg	NA	<0.15	NA	NA	<0.032	NA	NA	NA	NA	NA	NA	<0.032	NA	<0.032	<1.7	<1.7	NA	NA	NA	NA
3-Nitroaniline			mg/kg	NA	<0.35	NA	NA	<0.074	NA	NA	NA	NA	NA	NA	<0.074	NA	<0.073	<3.9	<4.0	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol			mg/kg	NA	<0.44	NA	NA	<0.093	NA	NA	NA	NA	NA	NA	<0.093	NA	<0.092	<4.9	<5.0	NA	NA	NA	NA
4-Bromophenyl phenyl ether			mg/kg	NA	<0.20	NA	NA	<0.043	NA	NA	NA	NA	NA	NA	<0.043	NA	<0.043	<2.2	<2.3	NA	NA	NA	NA
4-Chloro-3-methylphenol			mg/kg	NA	<0.86	NA	NA	<0.18	NA	NA	NA	NA	NA	NA	<0.18*	NA	<0.18	<9.6	<9.8	NA	NA	NA	NA
4-Chloroaniline			mg/kg	NA	<0.55	NA	NA	<0.12	NA	NA	NA	NA	NA	NA	<0.12	NA	<0.12	<6.1	<6.2	NA	NA	NA	NA
4-Chlorophenyl phenyl ether			mg/kg	NA	<0.28	NA	NA	<0.060	NA	NA	NA	NA	NA	NA	<0.060	NA	<0.060	<3.2	<3.2	NA	NA	NA	NA
4-Nitroaniline			mg/kg	NA	<0.37	NA	NA	<0.078	NA	NA	NA	NA	NA	NA	<0.078	NA	<0.078	<4.1	<4.2	NA	NA	NA	NA
4-Nitrophenol			mg/kg	NA	<0.97	NA	NA	<0.21	NA	NA	NA	NA	NA	NA	<0.21	NA	<0.21	<11	<11	NA	NA	NA	NA
Acenaphthene	3440		mg/kg	0.013J	1.1	0.12	<0.011	<0.011	0.31	<0.013	24	0.91	0.020J	11	0.021J	1.4	0.019J	31	15	1.3	57	0.67	4.8
Acenaphthylene	487		mg/kg	<0.0087	0.26	0.014J	<0.0088	<0.0088	0.026J	<0.0099	<0.46	0.12J	0.031J	32	<0.0088	0.42	0.012J	23	8.7	0.66	13	0.11	0.059
Anthracene	17200	196	mg/kg	0.062	3.1	0.31	<0.0090	<0.0090	0.55	0.019J	64	1.9	0.12	150	0.14	3.8	0.055	56	53	4.2	**340**	5.6	2.5
Benzo[a]anthracene	0.15		mg/kg	0.057	*21*	*1.3*	0.028J	0.023J	*0.83*	0.13	*280*	*13*	*0.45*	*270*	*0.23*	*15*	*0.21*	*64*	*590*	*13*	*420*	*9.7*	*1.7*
Benzo[a]pyrene	0.02	0.47	mg/kg	*0.064*	***26***	***1.6***	*0.030J*	*0.026J*	***1***	*0.17*	***350***	***17***	*0.46*	***260***	*0.3*	***15***	*0.23*	***49***	***490***	***16***	***290***	***12***	***1.1***
Benzo[b]fluoranthene	0.15	0.48	mg/kg	0.072	***25***	***1.8***	0.035J	0.029J	***0.98***	*0.16*	***340***	***18***	***0.49***	***250***	*0.36*	***15***	*0.28*	***57***	***590***	***6.8***	***370***	***14***	***1.1***
Benzo[g,h,i]perylene			mg/kg	0.049	11	1.2	0.021J	0.021J	0.65	0.11	210	11	0.31	150	0.22	9.3	0.17	29	260	12	180	9	0.61
Benzo[k]fluoranthene	1.48		mg/kg	0.038	*21*	0.88	0.020J	0.012J	0.7	0.13	*260*	*9.7*	0.35	*35*	0.16	*10*	0.12	*28*	*390*	*3.8*	*150*	*4.9*	0.82
bis (2-chloroisopropyl) ether			mg/kg	NA	<0.20	NA	NA	<0.042	NA	NA	NA	NA	NA	NA	<0.042	NA	<0.042	<2.2	<2.3	NA	NA	NA	NA
Bis(2-chloroethoxy)methane			mg/kg	NA	<0.20	NA	NA	<0.042	NA	NA	NA	NA	NA	NA	<0.042	NA	<0.042	<2.2	<2.3	NA	NA	NA	NA
Bis(2-chloroethyl)ether			mg/kg	NA	<0.27	NA	NA	<0.057	NA	NA	NA	NA	NA	NA	<0.057	NA	<0.056	<3.0	<3.0	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	34.7	2.88	mg/kg	NA	<0.24	NA	NA	0.069J	NA	NA	NA	NA	NA	NA	<0.051	NA	<0.050	<2.7	<2.7	NA	NA	NA	NA
Butyl benzyl phthalate			mg/kg	NA	<0.22	NA	NA	<0.048	NA	NA	NA	NA	NA	NA	<0.048	NA	<0.048	<2.5	<2.6	NA	NA	NA	NA
Carbazole			mg/kg	NA	1.6	NA	NA	<0.054	NA	NA	NA	NA	NA	NA	0.055J	NA	<0.054	31	29	NA	NA	NA	NA
Chrysene	14.8	0.14	mg/kg	0.085	***26***	**1.6**	0.031J	0.030J	**1**	**0.15**	***350***	***17***	**0.5**	***290***	**0.29**	***16***	**0.23**	***40***	***540***	**12**	***480***	**12**	**1.9**
Dibenz(a,h)anthracene	0.02		mg/kg	0.012J	*5.6*	*0.37*	<0.011	<0.011	*0.25*	*0.030J*	*57*	*4.4*	*0.1*	*46*	*0.073*	*4.1*	*0.06*	*7.9*	*63*	*1.8*	*56*	*3.6*	*0.18*
Dibenzofuran	78.2		mg/kg	NA	0.55J	NA	NA	<0.046	NA	NA	NA	NA	NA	NA	<0.046	NA	<0.046	53	10	NA	NA	NA	NA
Diethyl phthalate			mg/kg	NA	<0.30	NA	NA	<0.064	NA	NA	NA	NA	NA	NA	<0.064	NA	<0.063	<3.3	<3.4	NA	NA	NA	NA
Dimethyl phthalate			mg/kg	NA	<0.22	NA	NA	<0.048	NA	NA	NA	NA	NA	NA	<0.048	NA	<0.048	<2.5	<2.6	NA	NA	NA	NA
Di-n-butyl phthalate			mg/kg	NA	<0.23	NA	NA	<0.048	NA	NA	NA	NA	NA	NA	<0.048	NA	<0.048	<2.5	<2.6	NA	NA	NA	NA
Di-n-octyl phthalate			mg/kg	NA	<0.36	NA	NA	<0.078	NA	NA	NA	NA	NA	NA	<0.078	NA	<0.077	<4.1	<4.2	NA	NA	NA	NA
Fluoranthene	2290	88.77	mg/kg	0.1	41	1.9	0.035J	0.044	1.7	0.19	**550**	18	0.66	**490**	0.45	24	0.38	**260**	**940**	25	**730**	15	7.5
Fluorene	2290	14.79	mg/kg	0.022J	0.89	0.11	<0.0087	<0.0087	0.26	<0.0098	**21**	0.82	0.027J	**32**	0.032J	1.5	0.019J	**76**	**19**	1.3	**96**	0.95	3.1
Hexachlorobenzene			mg/kg	NA	<0.035	NA	NA	<0.0075	NA	NA	NA	NA	NA	NA	<0.0075	NA	<0.0075	<0.39	<0.40	NA	NA	NA	NA
Hexachlorobutadiene			mg/kg	NA	<0.24	NA	NA	<0.050	NA	NA	NA	NA	NA	NA	<0.050	NA	<0.050	<2.6	<2.7	NA	NA	NA	NA
Hexachlorocyclopentadiene			mg/kg	NA	<0.83	NA	NA	<0.18	NA	NA	NA	NA	NA	NA	<0.18	NA	<0.18	<9.3	<9.5	NA	NA	NA	NA
Hexachloroethane			mg/kg	NA	<0.19	NA	NA	<0.041	NA	NA	NA	NA	NA	NA	<0.041	NA	<0.041	<2.1	<2.2	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	0.15		mg/kg	0.036J	*9.8*	*1*	0.017J	0.015J	*0.59*	0.099	*150*	*10*	*0.29*	*140*	*0.19*	*9*	0.14	*25*	*130*	*10*	*170*	*7.5*	*0.56*
Isophorone			mg/kg	NA	<0.20	NA	NA	<0.043	NA	NA	NA	NA	NA	NA	<0.043	NA	<0.042	<2.2	<2.3	NA	NA	NA	NA
Naphthalene	5.15	0.66	mg/kg	0.019J	**1.2**	0.034J	<0.0074	0.035J	0.026J	<0.0083	***16***	**1.6**	0.032J	***23***	0.079	**3.6**	0.012J	***140***	***14***	**1.2**	***37***	0.55	**0.7**
Nitrobenzene			mg/kg	NA	<0.056	NA	NA	<0.012	NA	NA	NA	NA	NA	NA	<0.012	NA	<0.012	<0.62	<0.64	NA	NA	NA	NA
N-Nitrosodimethylamine			mg/kg	NA	<2.0	NA	NA	<0.42	NA	NA	NA	NA	NA	NA	<0.42	NA	<0.42	<22	<22	NA	NA	NA	NA
N-Nitrosodi-n-propylamine			mg/kg	NA	<0.23	NA	NA	<0.049	NA	NA	NA	NA	NA	NA	<0.049	NA	<0.048	<2.5	<2.6	NA	NA	NA	NA
Pentachlorophenol			mg/kg	NA	<0.91	NA	NA	<0.19	NA	NA	NA	NA	NA	NA	<0.19	NA	<0.19	<10	<10	NA	NA	NA	NA
Phenanthrene	115		mg/kg	0.078	8.9	0.93	<0.016	<0.016	1.6	0.069	*290*	8.7	0.26	*200*	0.19	12	0.13	*320*	*140*	11	*540*	8	7.4
Phenol	18300	2.29	mg/kg	NA	<0.28	NA	NA	<0.061	NA	NA	NA	NA	NA	NA	<0.061	NA	<0.060	<3.2	<3.3	NA	NA	NA	NA
Pyrene	1720	54.1	mg/kg	0.089	38	1.9	0.035J	0.032J	1.4	0.18	**430**	17	0.56	**410**	0.32	19	0.28	**110**	**780**	19	**500**	12	5.1

Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

J: Result is <RL but >MDL; concentration is approximate

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-19 4-6'	B-19 8-10'	B-20 0-2'	B-21 0-2'	B-21 4-6'	B-21 8-10'	B-22 0-2'	B-22 4-6'	B-22 8-10'	B-23 0-2'	B-23 4-6'	B-23 8-10'	B-24 0-2'	B-25 0-2'	B-25 4-6'	B-25 8-10'	B-26 0-2'	B-27 0-2'	B-27 4-6'	B-27 8-10'
1-Methylnaphthalene	22.1		mg/kg	0.026J	*62*	0.066	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene			mg/kg	NA	NA	NA	<0.040	<0.044	<0.044	<0.043	<0.43	<0.045	<0.045	<0.039	<0.048	<0.045	<0.044	<0.043	<0.043	<0.041	<0.047	<0.044	<0.044
1,2-Dichlorobenzene			mg/kg	NA	NA	NA	<0.038	<0.042	<0.042	<0.042	<0.42	<0.044	<0.043	<0.037	<0.046	<0.043	<0.043	<0.042	<0.042	<0.040	<0.046	<0.042	<0.042
1,3-Dichlorobenzene			mg/kg	NA	NA	NA	<0.037	<0.041	<0.041	<0.040	<0.40	<0.042	<0.042	<0.036	<0.045	<0.041	<0.041	<0.040	<0.040	<0.038	<0.044	<0.041	<0.041
1,4-Dichlorobenzene			mg/kg	NA	NA	NA	<0.037	<0.041	<0.041	<0.040	<0.40	<0.042	<0.042	<0.036	<0.045	<0.041	<0.041	<0.040	<0.040	<0.038	<0.044	<0.041	<0.041
2,4,5-Trichlorophenol			mg/kg	NA	NA	NA	<0.10	<0.11	<0.11	<0.11	<1.1	<0.11	<0.11	<0.097	<0.12	<0.11	<0.11	<0.11	<0.11	<0.10	<0.12	<0.11	<0.11
2,4,6-Trichlorophenol			mg/kg	NA	NA	NA	<0.044	<0.049	<0.048	<0.048	<0.48	<0.050	<0.050	<0.043	<0.053	<0.049	<0.049	<0.048	<0.048	<0.046	<0.053	<0.048	<0.049
2,4-Dichlorophenol			mg/kg	NA	NA	NA	<0.11	<0.12	<0.12	<0.12	<1.2	<0.12	<0.12	<0.10	<0.13	<0.12	<0.12	<0.12	<0.12	<0.11	<0.13	<0.12	<0.12
2,4-Dimethylphenol	1220		mg/kg	NA	NA	NA	<0.11	<0.12	<0.12	<0.12	<1.2	33	<0.12	<0.11	<0.13	<0.12	<0.12	<0.12	<0.12	<0.11	<0.13	<0.12	<0.12
2,4-Dinitrophenol			mg/kg	NA	NA	NA	<0.18	<0.20	<0.20	<0.20	<2.0	<0.20	<0.20	<0.17	<0.22	<0.20	<0.20	<0.20	<0.20	<0.19	<0.21*	<0.20*	<0.20*
2,4-Dinitrotoluene			mg/kg	NA	NA	NA	<0.054	<0.060	<0.059	<0.059	<0.59	<0.061	<0.061	<0.052	<0.065	<0.060	<0.060	<0.059	<0.059	<0.056	<0.064	<0.059	<0.060
2,6-Dinitrotoluene			mg/kg	NA	NA	NA	<0.042	<0.046	<0.046	<0.045	<0.45	<0.048	<0.047	<0.040	<0.050	<0.047	<0.046	<0.046	<0.045	<0.043	<0.050	<0.046	<0.046
2-Chloronaphthalene			mg/kg	NA	NA	NA	<0.039	<0.044	<0.043	<0.043	<0.43	<0.045	<0.045	<0.038	<0.048	<0.044	<0.044	<0.043	<0.043	<0.041	<0.047	<0.043	<0.044
2-Chlorophenol			mg/kg	NA	NA	NA	<0.050	<0.056	<0.055	<0.055	<0.55	<0.057	<0.057	<0.049	<0.061	<0.056	<0.056	<0.055	<0.055	<0.052	<0.060	<0.055	<0.056
2-Methylnaphthalene	313		mg/kg	<0.046	150	0.093J	<0.045	<0.050	<0.050	<0.050	<0.50	11	<0.051	<0.044	0.28	<0.051	<0.051	<0.050	<0.050	<0.047	<0.054	<0.050	<0.050
2-Methylphenol			mg/kg	NA	NA	NA	<0.047	<0.052	<0.051	<0.051	<0.51	36	<0.053	<0.045	<0.056	<0.052	<0.052	<0.051	<0.051	<0.048	<0.056	<0.051	<0.052
2-Nitroaniline			mg/kg	NA	NA	NA	<0.063	<0.070	<0.069	<0.069	<0.69	<0.072	<0.071	<0.061	<0.076	<0.071	<0.070	<0.069	<0.069	<0.065	<0.075	<0.069	<0.070
2-Nitrophenol			mg/kg	NA	NA	NA	<0.055	<0.061	<0.060	<0.060	<0.60	<0.063	<0.062	<0.053	<0.066	<0.062	<0.061	<0.060	<0.060	<0.057	<0.066	<0.060	<0.061
3 & 4 Methylphenol			mg/kg	NA	NA	NA	<0.066	<0.074	<0.073	<0.072	<0.72	150	<0.075	<0.064	<0.080	<0.074	<0.074	<0.073	<0.072	<0.069	<0.079	<0.073	<0.074
3,3'-Dichlorobenzidine			mg/kg	NA	NA	NA	<0.029	<0.032	<0.032	<0.032	<0.32	<0.033	<0.033	<0.028	<0.035	<0.033	<0.033	<0.032	<0.032	<0.030	<0.035	<0.032	<0.032
3-Nitroaniline			mg/kg	NA	NA	NA	<0.068	<0.075	<0.074	<0.074	<0.74	<0.077	<0.076	<0.066	<0.082	<0.076	<0.075	<0.074	<0.074	<0.070	<0.081	<0.074	<0.075
4,6-Dinitro-2-methylphenol			mg/kg	NA	NA	NA	<0.085	<0.094	<0.094	<0.093	<0.93	<0.097	<0.096	<0.083	<0.10	<0.095	<0.095	<0.093	<0.093	<0.088	<0.10	<0.094	<0.094
4-Bromophenyl phenyl ether			mg/kg	NA	NA	NA	<0.039	<0.043	<0.043	<0.043	<0.43	<0.045	<0.044	<0.038	<0.047	<0.044	<0.044	<0.043	<0.043	<0.041	<0.047	<0.043	<0.043
4-Chloro-3-methylphenol			mg/kg	NA	NA	NA	<0.17	<0.19	<0.18	<0.18	<1.8	<0.19	<0.19	<0.16	<0.20	<0.19	<0.19	<0.18	<0.18	<0.17	<0.20	<0.18	<0.19
4-Chloroaniline			mg/kg	NA	NA	NA	<0.11	<0.12	<0.12	<0.12	<1.2	<0.12	<0.12	<0.10	<0.13	<0.12	<0.12	<0.12	<0.12	<0.11	<0.13	<0.12	<0.12
4-Chlorophenyl phenyl ether			mg/kg	NA	NA	NA	<0.055	<0.061	<0.061	<0.060	<0.60	<0.063	<0.062	<0.054	<0.067	<0.062	<0.062	<0.060	<0.060	<0.057	<0.066	<0.061	<0.061
4-Nitroaniline			mg/kg	NA	NA	NA	<0.072	<0.080	<0.079	<0.078	<0.78	<0.082	<0.081	<0.070	<0.087	<0.081	<0.080	<0.079	<0.078	<0.075	<0.086	<0.079	<0.080
4-Nitrophenol			mg/kg	NA	NA	NA	<0.19	<0.21	<0.21	<0.21	<2.1	<0.22	<0.21	<0.18	<0.23	<0.21	<0.21	<0.21	<0.21	<0.20	<0.23	<0.21	<0.21
Acenaphthene	3440		mg/kg	0.18	67	0.5	<0.010	0.21	<0.012	0.04	<0.11	0.62	<0.012	<0.010	0.89	0.026J	<0.012	<0.011	0.020J	0.048	0.030J	<0.012	<0.012
Acenaphthylene	487		mg/kg	<0.0082	17	0.71	<0.0081	0.066	<0.0089	<0.0088	<0.088	<0.0092	<0.0091	<0.0078	0.35	<0.0090	<0.0090	<0.0088	<0.0088	0.088	<0.0096	<0.0089	<0.0089
Anthracene	17200	196	mg/kg	0.29	**680**	3.4	0.0088J	0.67	<0.0091	0.071	<0.090	0.12	<0.0093	<0.0080	2.2	0.027J	<0.0092	<0.0090	0.027J	0.25	0.073	<0.0091	<0.0091
Benzo[a]anthracene	0.15		mg/kg	*0.33*	*190*	*6.3*	0.06	*2.2*	<0.0081	*0.2*	<0.080	0.035J	0.015J	0.049	*6.2*	0.055	<0.0082	0.025J	0.11	*1.8*	*0.84*	0.0098J	<0.0081
Benzo[a]pyrene	0.02	0.47	mg/kg	*0.3*	***160***	***6.9***	*0.069*	***1.8***	0.013J	*0.29*	<0.070	*0.023J*	*0.019J*	*0.067*	***2.7***	*0.073*	<0.0071	*0.031J*	*0.14*	***1.6***	***0.96***	0.012J	<0.0071
Benzo[b]fluoranthene	0.15	0.48	mg/kg	*0.31*	***260***	***11***	0.077	***2.1***	0.012J	*0.34*	<0.074	0.026J	0.020J	0.079	***6.9***	0.077	<0.0076	0.033J	0.14	***1.8***	***1.1***	0.012J	<0.0075
Benzo[g,h,i]perylene			mg/kg	0.18	110	4.6	0.061	1.3	0.028J	0.23	<0.13	0.017J	0.019J	0.049	1.9	0.069	<0.013	0.027J	0.1	1.4	0.58	0.013J	<0.013
Benzo[k]fluoranthene	1.48		mg/kg	0.19	*22*	*1.7*	0.038	1.1	<0.0092	0.15	<0.091	0.018J	0.015J	0.034	1.3	0.052	<0.0093	0.022J	0.1	1.3	0.62	<0.0092	<0.0093
bis (2-chloroisopropyl) ether			mg/kg	NA	NA	NA	<0.039	<0.043	<0.043	<0.042	<0.42	<0.044	<0.044	<0.038	<0.047	<0.044	<0.043	<0.043	<0.042	<0.040	<0.046	<0.043	<0.043
Bis(2-chloroethoxy)methane			mg/kg	NA	NA	NA	<0.039	<0.043	<0.043	<0.042	<0.42	<0.044	<0.044	<0.038	<0.047	<0.043	<0.043	<0.042	<0.042	<0.040	<0.046	<0.043	<0.043
Bis(2-chloroethyl)ether			mg/kg	NA	NA	NA	<0.052	<0.058	<0.057	<0.057	<0.57	<0.059	<0.059	<0.050	<0.063	<0.058	<0.058	<0.057	<0.057	<0.054	<0.062	<0.057	<0.058
Bis(2-ethylhexyl) phthalate	34.7	2.88	mg/kg	NA	NA	NA	0.046J	<0.051	<0.051	<0.051	1.6J	<0.053	<0.052	<0.045	<0.056	<0.052	0.053J	<0.051	<0.051	<0.048	<0.055	<0.051	<0.051
Butyl benzyl phthalate			mg/kg	NA	NA	NA	<0.044	<0.049	<0.048	<0.048	<0.48	<0.050	<0.050	<0.043	<0.053	<0.049	<0.049	<0.048	<0.048	<0.046	<0.052	<0.048	<0.049
Carbazole			mg/kg	NA	NA	NA	<0.049	0.26	<0.054	<0.054	<0.54	0.72	<0.056	<0.048	0.71	<0.055	<0.055	<0.054	<0.054	0.090J	0.069J	<0.054	<0.055
Chrysene	14.8	0.14	mg/kg	**0.33**	***170***	**7.6**	0.064	**1.9**	0.013J	**0.22**	<0.086	0.04	0.027J	0.075	**6.5**	0.079	<0.0088	0.035J	0.13	**2.1**	**0.95**	0.011J	<0.0088
Dibenz(a,h)anthracene	0.02		mg/kg	*0.052*	*47*	*0.91*	*0.025J*	*0.51*	<0.011	*0.071*	<0.11	<0.011	<0.011	*0.022J*	*0.96*	0.014J	<0.011	0.013J	*0.024J*	*0.62*	*0.22*	<0.011	<0.011
Dibenzofuran	78.2		mg/kg	NA	NA	NA	<0.042	0.11J	<0.046	<0.046	<0.46	0.69	<0.048	<0.041	0.38	<0.047	<0.047	<0.046	<0.046	<0.044	<0.050	<0.046	<0.047
Diethyl phthalate			mg/kg	NA	NA	NA	<0.058	<0.065	<0.064	<0.064	<0.64	<0.067	<0.066	<0.057	<0.071	<0.066	<0.065	<0.064	<0.064	<0.061	<0.070	<0.064	<0.065
Dimethyl phthalate			mg/kg	NA	NA	NA	<0.044	<0.049	<0.048	<0.048	<0.48	<0.050	<0.049	<0.043	<0.053	<0.049	<0.049	<0.048	<0.048	<0.045	<0.052	<0.048	<0.049
Di-n-butyl phthalate			mg/kg	NA	NA	NA	<0.044	<0.049	<0.049	<0.048	<0.48	<0.050	<0.050	<0.043	<0.053	<0.050	<0.049	<0.048	<0.048	<0.046	<0.053	<0.049	<0.049
Di-n-octyl phthalate			mg/kg	NA	NA	NA	<0.071	<0.079	<0.078	<0.078	<0.78	<0.081	<0.080	<0.069	<0.086	<0.080	<0.079	<0.078	<0.077	<0.074	<0.085	<0.078	<0.079
Fluoranthene	2290	88.77	mg/kg	0.95	**390**	14	0.085	5.1	<0.016	0.43	<0.16	0.12	0.022J	0.075	14	0.12	<0.016	0.047	0.2	2.1	1.2	<0.016	<0.016
Fluorene	2290	14.79	mg/kg	0.17	**130**	0.45	<0.0080	0.22	<0.0088	0.039	<0.087	0.35	<0.0090	<0.0077	1.3	0.017J	<0.0089	<0.0087	<0.0087	0.04	<0.0095	<0.0088	<0.0088
Hexachlorobenzene			mg/kg	NA	NA	NA	<0.0069	<0.0077	<0.0076	<0.0075	<0.075	<0.0079	<0.0078	<0.0067	<0.0083	<0.0077	<0.0077	<0.0076	<0.0075	<0.0072	<0.0082	<0.0076	<0.0076
Hexachlorobutadiene			mg/kg	NA	NA	NA	<0.046	<0.051	<0.050	<0.050	<0.50	<0.052	<0.052	<0.045	<0.055	<0.051	<0.051	<0.050	<0.050	<0.048	<0.055	<0.050	<0.051
Hexachlorocyclopentadiene			mg/kg	NA	NA	NA	<0.16	<0.18	<0.18	<0.18	<1.8	<0.19	<0.18	<0.16	<0.20	<0.18	<0.18	<0.18	<0.18	<0.17	<0.19	<0.18	<0.18
Hexachloroethane			mg/kg	NA	NA	NA	<0.037	<0.041	<0.041	<0.041	<0.41	<0.043	<0.042	<0.036	<0.045	<0.042	<0.042	<0.041	<0.041	<0.039	<0.045	<0.041	<0.041
Indeno[1,2,3-cd]pyrene	0.15		mg/kg	*0.16*	*93*	*4.2*	0.049	*1*	0.021J	*0.18*	<0.13	0.013J	0.014J	0.04	*1.7*	0.058	<0.013	0.022J	0.089	*1.3*	*0.5*	<0.013	<0.013
Isophorone			mg/kg	NA	NA	NA	<0.039	<0.043	<0.043	<0.043	<0.43	<0.045	<0.044	<0.038	<0.047	<0.044	<0.044	<0.043	<0.043	<0.041	<0.047	<0.043	<0.043
Naphthalene	5.15	0.66	mg/kg	0.068	***890***	**0.85**	<0.0068	0.08	<0.0074	0.027J	<0.074	***68***	<0.0076	0.089	***6.9***	<0.0076	<0.0075	<0.0074	0.017J	0.073	0.0095J	<0.0074	<0.0075
Nitrobenzene			mg/kg	NA	NA	NA	<0.011	<0.012	<0.012	<0.012	<0.12	<0.012	<0.012	<0.011	<0.013	<0.012	<0.012	<0.012	<0.012	<0.011	<0.013	<0.012	<0.012
N-Nitrosodimethylamine			mg/kg	NA	NA	NA	<0.38	<0.42	<0.42	<0.42	<4.2	<0.44	<0.43	<0.37	<0.46	<0.43	<0.43	<0.42	<0.42	<0.40	<0.46	<0.42	<0.42
N-Nitrosodi-n-propylamine			mg/kg	NA	NA	NA	<0.045	<0.049	<0.049	<0.049	<0.49	<0.051	<0.050	<0.043	<0.054	<0.050	<0.050	<0.049	<0.049	<0.046	<0.053	<0.049	<0.049
Pentachlorophenol			mg/kg	NA	NA	NA	<0.18	<0.20	<0.20	<0.19	<1.9	<0.20	<0.20	<0.17	<0.22	<0.20	<0.20	<0.20	<0.19	<0.19	<0.21	<0.20	<0.20
Phenanthrene	115		mg/kg	0.91	*480*	1.4	0.026J	2	<0.016	0.29	<0.16	0.61	<0.017	0.024J	6.8	0.064	<0.016	<0.016	0.1	0.56	0.3	<0.016	<0.016
Phenol	18300	2.29	mg/kg	NA	NA	NA	<0.056	<0.062	<0.061	<0.061	<0.60	**83**	<0.063	<0.054	<0.067	<0.062	<0.062	<0.061	<0.060	<0.058	<0.066	<0.061	<0.062
Pyrene	1720	54.1	mg/kg	0.68	**300**	10	0.065	2.9	<0.014	0.29	<0.14	0.079	0.019J	0.059	11	0.091	<0.014	0.034J	0.15	1.7	0.93	<0.014	<0.014

Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

J: Result is <RL but >MDL; concentration is approximate

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-28 0-2'	B-28 4-6'	B-28 8-10'	B-29 0-2'	B-29 4-6'	B-29 8-10'	B-30 0-2'	B-30 4-6'	B-30 8-10'	B-31 0-2'	B-31 4-6'	B-31 8-10'	B-32 0-2'	B-33 0-2'	B-33 4-6'	B-33 8-10'	B-34 0-2'	B-35 0-2'	B-35 4-6'	B-35 8-10'
1-Methylnaphthalene	22.1		mg/kg	<0.019	<0.019	<0.018	<0.018	<0.018	<0.020	<0.018	<0.020	<0.020	<0.019	2.2	<0.95	0.045	0.19	<0.019	<0.018	0.53	NA	NA	NA
1,2,4-Trichlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.042	<0.043
1,2-Dichlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.041	<0.041	<0.041
1,3-Dichlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	<0.039	<0.040
1,4-Dichlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	<0.039	<0.040
2,4,5-Trichlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11	<0.11	<0.11
2,4,6-Trichlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.047	<0.047	<0.047
2,4-Dichlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11	<0.11	<0.12
2,4-Dimethylphenol	1220		mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.12	<0.12	<0.12
2,4-Dinitrophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.19	<0.19
2,4-Dinitrotoluene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.058	<0.057	<0.058
2,6-Dinitrotoluene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.045	<0.044	<0.045
2-Chloronaphthalene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.042	<0.042	<0.043
2-Chlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.054	<0.053	<0.054
2-Methylnaphthalene	313		mg/kg	<0.049	<0.049	<0.047	<0.047	<0.048	<0.052	<0.048	<0.052	<0.051	<0.050	1.9	<2.5	<0.050	<0.25	<0.049	<0.048	0.49J	<0.049	<0.048	<0.049
2-Methylphenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.049	<0.050
2-Nitroaniline			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.068	<0.067	<0.068
2-Nitrophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.059	<0.058	<0.059
3 & 4 Methylphenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.071	<0.070	<0.072
3,3'-Dichlorobenzidine			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.031	<0.031	<0.032
3-Nitroaniline			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.073	<0.072	<0.073
4,6-Dinitro-2-methylphenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.091	<0.090	<0.092
4-Bromophenyl phenyl ether			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.042	<0.042	<0.042
4-Chloro-3-methylphenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.18*	<0.18*	<0.18*
4-Chloroaniline			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11	<0.11	<0.12
4-Chlorophenyl phenyl ether			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.059	<0.059	<0.060
4-Nitroaniline			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.077	<0.076	<0.078
4-Nitrophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	<0.20	<0.20
Acenaphthene	3440		mg/kg	<0.011	<0.011	<0.011	<0.011	<0.011	0.12	<0.011	<0.012	0.039	0.029J	2.2	5.4	0.079	0.25	<0.011	<0.011	3.8	0.16	<0.011	<0.011
Acenaphthylene	487		mg/kg	<0.0086	<0.0086	<0.0083	<0.0083	<0.0085	<0.0091	0.0089J	<0.0091	<0.0091	0.16	2.3	<0.44	0.16	0.61	<0.0088	<0.0085	0.13J	0.010J	<0.0085	<0.0087
Anthracene	17200	196	mg/kg	0.035J	<0.0088	<0.0085	<0.0085	<0.0087	0.2	0.021J	<0.0093	0.014J	0.19	90	13	0.44	1.8	0.031J	0.034J	14	0.39	<0.0088	<0.0089
Benzo[a]anthracene	0.15		mg/kg	*0.23*	<0.0079	0.018J	0.0083J	0.033J	*0.22*	*0.2*	0.0091J	0.038J	*0.68*	*24*	*67*	*2.1*	*4.2*	*0.15*	0.021J	*26*	*3.5*	0.1	<0.0079
Benzo[a]pyrene	0.02	0.47	mg/kg	*0.25*	0.0095J	*0.023J*	0.012J	*0.045*	*0.18*	*0.22*	0.0094J	*0.046*	***1.6***	***22***	***72***	***2.2***	***5.6***	*0.23*	*0.029J*	***21***	***4.9***	*0.12*	<0.0069
Benzo[b]fluoranthene	0.15	0.48	mg/kg	*0.28*	0.011J	0.026J	0.013J	0.05	*0.17*	*0.26*	0.013J	0.046	***2***	***19***	***79***	***2.3***	***5.4***	*0.24*	0.031J	***22***	***5***	*0.16*	<0.0073
Benzo[g,h,i]perylene			mg/kg	0.16	<0.013	0.017J	<0.012	0.034J	0.1	0.15	<0.013	0.037J	1.4	11	45	1.6	3.8	0.16	0.016J	12	3.4	0.096	<0.013
Benzo[k]fluoranthene	1.48		mg/kg	0.17	<0.0089	0.015J	0.011J	0.039	0.15	0.14	<0.0095	0.038J	1.3	*15*	*42*	*1.5*	*4.2*	0.15	0.018J	*13*	*2.8*	0.062	<0.0090
bis (2-chloroisopropyl) ether			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.042	<0.041	<0.042
Bis(2-chloroethoxy)methane			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.042	<0.041	<0.042
Bis(2-chloroethyl)ether			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.056	<0.055	<0.056
Bis(2-ethylhexyl) phthalate	34.7	2.88	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.050	<0.049	<0.050
Butyl benzyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.047	<0.047	<0.047
Carbazole			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.29	<0.052	<0.053
Chrysene	14.8	0.14	mg/kg	**0.26**	<0.0085	0.022J	0.012J	0.05	**0.23**	**0.21**	0.0099J	0.041	**1**	***25***	***72***	**2.5**	**5.1**	**0.21**	0.022J	***24***	**4.2**	0.12	<0.0085
Dibenz(a,h)anthracene	0.02		mg/kg	*0.047*	<0.010	<0.010	<0.010	<0.010	*0.032J*	*0.044*	<0.011	*0.016J*	*0.49*	*1.6*	*8.9*	*0.71*	*1.3*	*0.042*	<0.010	*5.4*	*1.2*	*0.031J*	<0.011
Dibenzofuran	78.2		mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.067J	<0.045	<0.045
Diethyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.063	<0.062	<0.063
Dimethyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.047	<0.046	<0.047
Di-n-butyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.047	<0.047	<0.048
Di-n-octyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.076	<0.076	<0.077
Fluoranthene	2290	88.77	mg/kg	0.35	<0.015	0.024J	<0.015	0.064	0.66	0.23	<0.016	0.048	0.99	68	**110**	2.5	7.7	0.21	0.045	61	4.2	0.15	<0.015
Fluorene	2290	14.79	mg/kg	0.014J	<0.0085	<0.0083	<0.0082	<0.0084	0.12	<0.0085	<0.0090	0.034J	0.034J	**19**	5.3	0.088	0.69	<0.0087	0.010J	5.5	0.13	<0.0085	<0.0086
Hexachlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0074	<0.0073	<0.0074
Hexachlorobutadiene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.049	<0.049	<0.050
Hexachlorocyclopentadiene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.17	<0.17	<0.18
Hexachloroethane			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	<0.040	<0.040
Indeno[1,2,3-cd]pyrene	0.15		mg/kg	*0.15*	<0.013	0.012J	<0.012	0.027J	0.1	0.13	<0.013	0.032J	*1.3*	*11*	*41*	*1.4*	*3.5*	0.14	<0.013	*12*	*2.2*	0.082	<0.013
Isophorone			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.042	<0.041	<0.042
Naphthalene	5.15	0.66	mg/kg	<0.0072	<0.0072	<0.0070	<0.0069	<0.0071	0.033J	<0.0072	<0.0077	0.064	<0.0074	***21***	**3.5**	0.13	0.54	<0.0073	<0.0071	**1.1**	0.13	<0.0072	<0.0073
Nitrobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.012	<0.012	<0.012
N-Nitrosodimethylamine			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.41	<0.41	<0.41
N-Nitrosodi-n-propylamine			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.048	<0.047	<0.048
Pentachlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.19	<0.19
Phenanthrene	115		mg/kg	0.12	<0.016	<0.015	<0.015	0.021J	0.65	0.047	<0.017	0.022J	0.26	82	49	1	4.2	0.07	0.039	45	1.4	0.029J	<0.016
Phenol	18300	2.29	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.060	<0.059	<0.060
Pyrene	1720	54.1	mg/kg	0.34	<0.014	0.021J	<0.013	0.067	0.45	0.23	<0.014	0.042	1	45	**98**	2.1	6	0.19	0.034J	46	4.1	0.12	<0.014

Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

J: Result is <RL but >MDL; concentration is approximate

	Non-Industrial Direct Contact	Groundwater Pathway	Units	B-36 0-2'	B-37 0-2'	B-38 0-2'	B-39 0-2'	B-40 0-2'	B-41 0-2'	B-41 4-6'	B-41 8-10'	B-42 0-2'	B-42 4-6'	B-42 8-10'	B-43 0-2'	B-43 4-6'	B-43 8-10'	B-44 0-2'	B-44 4-6'	B-44 8-10'
1-Methylnaphthalene	22.1		mg/kg	<0.017	<0.020	3.9	<0.019	7.2	<0.020	<0.019	<0.019	<0.024	<0.026	<0.019	0.043	<0.017	<0.019	NA	NA	NA
1,2,4-Trichlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.041	<0.041	<0.043
1,2-Dichlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	<0.039	<0.041
1,3-Dichlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.038	<0.038	<0.040
1,4-Dichlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.038	<0.038	<0.040
2,4,5-Trichlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.10	<0.10	<0.11
2,4,6-Trichlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.046	<0.045	<0.047
2,4-Dichlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11	<0.11	<0.12
2,4-Dimethylphenol	1220		mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11	<0.11	<0.12
2,4-Dinitrophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.18	<0.19
2,4-Dinitrotoluene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.056	<0.055	<0.058
2,6-Dinitrotoluene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.043	<0.043	<0.045
2-Chloronaphthalene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.041	<0.041	<0.043
2-Chlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.052	<0.052	<0.054
2-Methylnaphthalene	313		mg/kg	<0.046	<0.051	2.5	<0.050	2.6	<0.052	<0.050	<0.050	<0.062	<0.067	<0.050	0.064J	<0.044	<0.051	<0.047	<0.047	<0.049
2-Methylphenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.048	<0.048	<0.050
2-Nitroaniline			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.066	<0.065	<0.068
2-Nitrophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.057	<0.057	<0.059
3 & 4 Methylphenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.069	<0.068	<0.072
3,3'-Dichlorobenzidine			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.030	<0.030	<0.032
3-Nitroaniline			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.070	<0.070	<0.073
4,6-Dinitro-2-methylphenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.088	<0.088	<0.092
4-Bromophenyl phenyl ether			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.041	<0.040	<0.042
4-Chloro-3-methylphenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.17	<0.17	<0.18
4-Chloroaniline			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.11	<0.11	<0.12
4-Chlorophenyl phenyl ether			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.057	<0.057	<0.060
4-Nitroaniline			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.075	<0.074	<0.078
4-Nitrophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.20	<0.19	<0.20
Acenaphthene	3440		mg/kg	0.016J	0.016J	8.3	0.023J	3.1	<0.012	<0.011	<0.012	<0.014	<0.016	<0.012	0.14	0.017J	0.024J	0.013J	<0.011	<0.011
Acenaphthylene	487		mg/kg	<0.0081	<0.0091	0.88	0.099	0.17	<0.0092	<0.0088	<0.0089	<0.011	<0.012	<0.0089	0.085	0.025J	0.061	<0.0084	<0.0083	<0.0087
Anthracene	17200	196	mg/kg	0.068	0.035J	20	0.23	6.2	<0.0095	<0.0090	<0.0091	0.038J	<0.012	<0.0091	0.31	0.043	0.069	0.027J	<0.0085	<0.0089
Benzo[a]anthracene	0.15		mg/kg	*0.33*	*0.5*	*55*	*0.52*	*7.3*	0.010J	<0.0080	<0.0081	*0.25*	<0.011	<0.0081	*3.8*	*0.6*	*0.49*	*0.25*	<0.0076	<0.0079
Benzo[a]pyrene	0.02	0.47	mg/kg	*0.46*	***0.7***	***73***	***0.6***	***6.8***	*0.016J*	*0.047*	<0.0070	*0.39*	*0.032J*	*0.022J*	***3.7***	***0.89***	***0.61***	*0.32*	<0.0066	<0.0069
Benzo[b]fluoranthene	0.15	0.48	mg/kg	***0.54***	***0.68***	***85***	***0.62***	***8***	0.014J	0.038	<0.0075	*0.43*	0.027J	0.015J	***7.7***	***1.2***	***0.98***	*0.36*	<0.0070	<0.0073
Benzo[g,h,i]perylene			mg/kg	0.49	0.51	48	0.35	4.4	0.017J	0.026J	<0.013	0.28	0.028J	0.024J	4.2	0.66	0.53	0.24	<0.012	<0.013
Benzo[k]fluoranthene	1.48		mg/kg	0.32	0.51	*32*	0.41	*3.2*	0.011J	0.030J	<0.0092	0.26	0.014J	0.016J	0.64	0.23	0.11	0.2	<0.0086	<0.0090
bis (2-chloroisopropyl) ether			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	<0.040	<0.042
Bis(2-chloroethoxy)methane			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.040	<0.040	<0.042
Bis(2-chloroethyl)ether			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.054	<0.054	<0.056
Bis(2-ethylhexyl) phthalate	34.7	2.88	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.048	<0.048	<0.050
Butyl benzyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.046	<0.045	<0.047
Carbazole			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.051	<0.051	<0.053
Chrysene	14.8	0.14	mg/kg	**0.48**	**0.61**	***57***	**0.55**	**6.3**	0.013J	<0.0086	0.012J	**0.37**	<0.012	<0.0087	**4**	**0.68**	**0.53**	**0.3**	<0.0082	<0.0085
Dibenz(a,h)anthracene	0.02		mg/kg	*0.12*	*0.15*	*11*	*0.12*	*1.2*	<0.011	0.011J	<0.011	*0.12*	<0.015	<0.011	*1.3*	*0.27*	0.11	*0.065*	<0.010	<0.011
Dibenzofuran	78.2		mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.044	<0.043	<0.045
Diethyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.061	<0.060	<0.063
Dimethyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.045	<0.045	<0.047
Di-n-butyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.046	<0.046	<0.048
Di-n-octyl phthalate			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.074	<0.073	<0.077
Fluoranthene	2290	88.77	mg/kg	0.49	0.61	**89**	1.1	23	<0.016	<0.016	<0.016	0.37	<0.021	<0.016	4.7	0.72	0.9	0.37	<0.015	<0.015
Fluorene	2290	14.79	mg/kg	0.030J	<0.0090	11	0.041	3	<0.0092	<0.0087	<0.0088	<0.011	<0.012	<0.0088	0.082	0.012J	0.019J	0.011J	<0.0082	<0.0086
Hexachlorobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.0072	<0.0071	<0.0074
Hexachlorobutadiene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.048	<0.047	<0.050
Hexachlorocyclopentadiene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.17	<0.17	<0.18
Hexachloroethane			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.039	<0.038	<0.040
Indeno[1,2,3-cd]pyrene	0.15		mg/kg	*0.44*	*0.45*	*42*	*0.35*	*4.1*	<0.014	0.022J	<0.013	*0.25*	0.023J	0.019J	*2.7*	*0.55*	*0.45*	*0.21*	<0.012	<0.013
Isophorone			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.041	<0.040	<0.042
Naphthalene	5.15	0.66	mg/kg	0.0080J	<0.0076	***10***	0.011J	**1.6**	<0.0078	<0.0074	<0.0074	<0.0093	<0.010	<0.0075	0.11	0.025J	0.036J	0.0081J	<0.0070	<0.0073
Nitrobenzene			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.011	<0.011	<0.012
N-Nitrosodimethylamine			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.40	<0.39	<0.41
N-Nitrosodi-n-propylamine			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.046	<0.046	<0.048
Pentachlorophenol			mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.19	<0.18	<0.19
Phenanthrene	115		mg/kg	0.2	0.13	51	0.26	19	<0.017	<0.016	<0.016	0.12	<0.022	<0.016	1.2	0.17	0.33	0.14	<0.015	<0.016
Phenol	18300	2.29	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.058	<0.057	<0.060
Pyrene	1720	54.1	mg/kg	0.47	0.56	**72**	0.9	14	<0.015	<0.014	<0.014	0.42	<0.019	<0.014	4.6	0.62	0.65	0.29	<0.013	<0.014

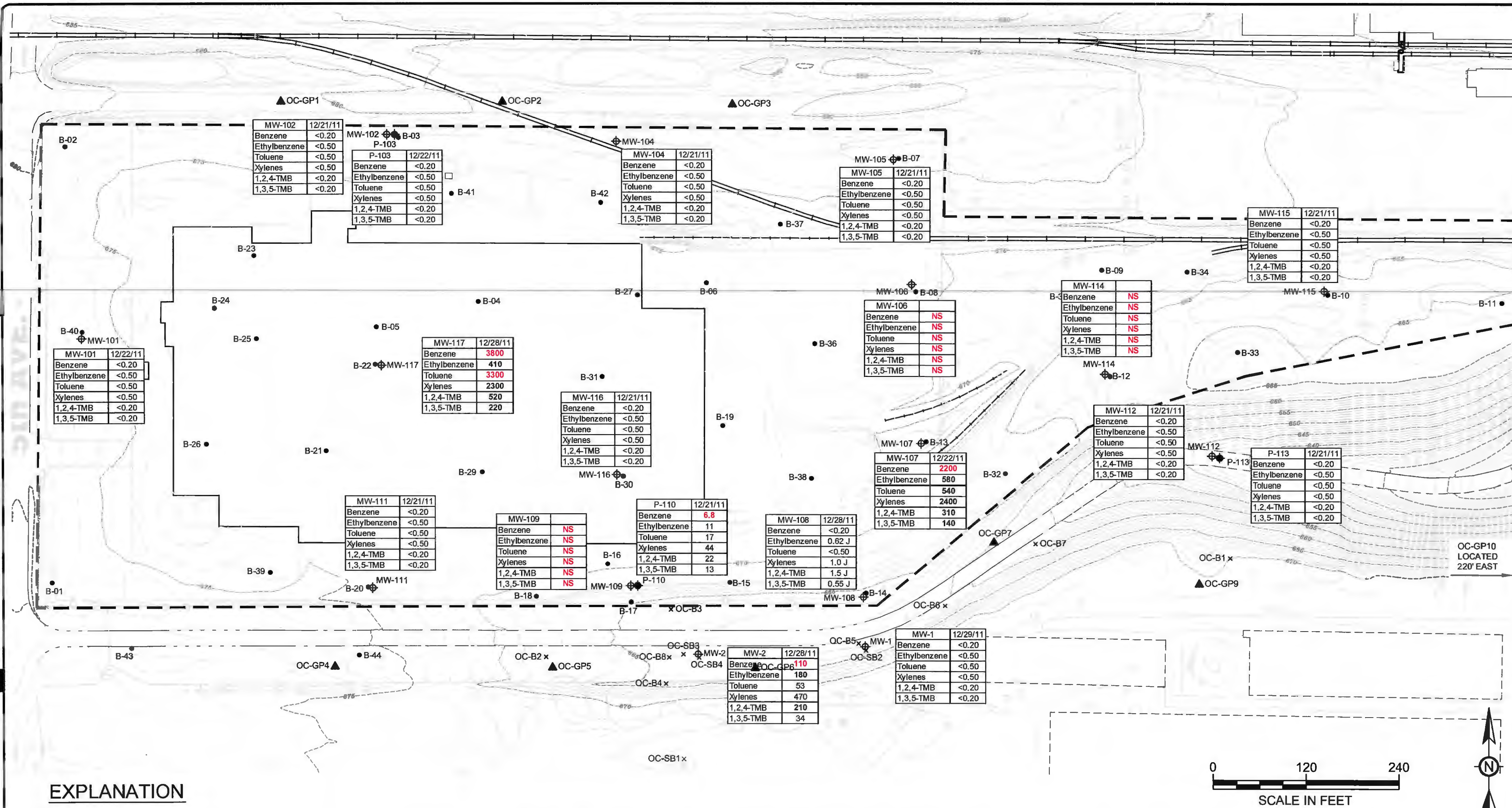
Italic : Value exceeds Non-Industrial Direct Contact Residual Cleanup Level

Bold: Value exceeds Groundwater Pathway Residual Cleanup Level

J: Result is <RL but >MDL; concentration is approximate

APPENDIX G

VOC, SVOC, PAH, AND METALS IN GROUNDWATER – MAPS AND TABLES SUMMARIZED BY TETRA TECH



EXPLANATION

- ⌖ MW-101 WATER TABLE WELL
- + P-103 NESTED PIEZOMETER
- ● B-01 SOIL BORING
- × OC-SB1 SOIL BORING (CITY OF OAK CREEK)
- ▲ OC-GP1 GEOPROBE (CITY OF OAK CREEK)
- — — APPROXIMATE PROPERTY BOUNDARY

SAMPLE ID —

VOCs (ug/L) —

MW-107	PAL	ES
Benzene	**0.5**	**5**
Ethylbenzene	**140**	**700**
Toluene	**200**	**1,000**
Xylenes	**1,000**	**10,000**
1,2,4-TMB	**96**	**480**
1,3,5-TMB	**96**	**480**

NS "NS" INDICATES LOCATION NOT SAMPLED DUE TO PRESENCE OF FREE PRODUCT

BOLD AND RED INDICATES CONCENTRATION EXCEEDS WDNR NR140 ENFORCEMENT STANDARD

BOLD INDICATES CONCENTRATION EXCEEDS WDNR NR140 PREVENTIVE ACTION LIMIT

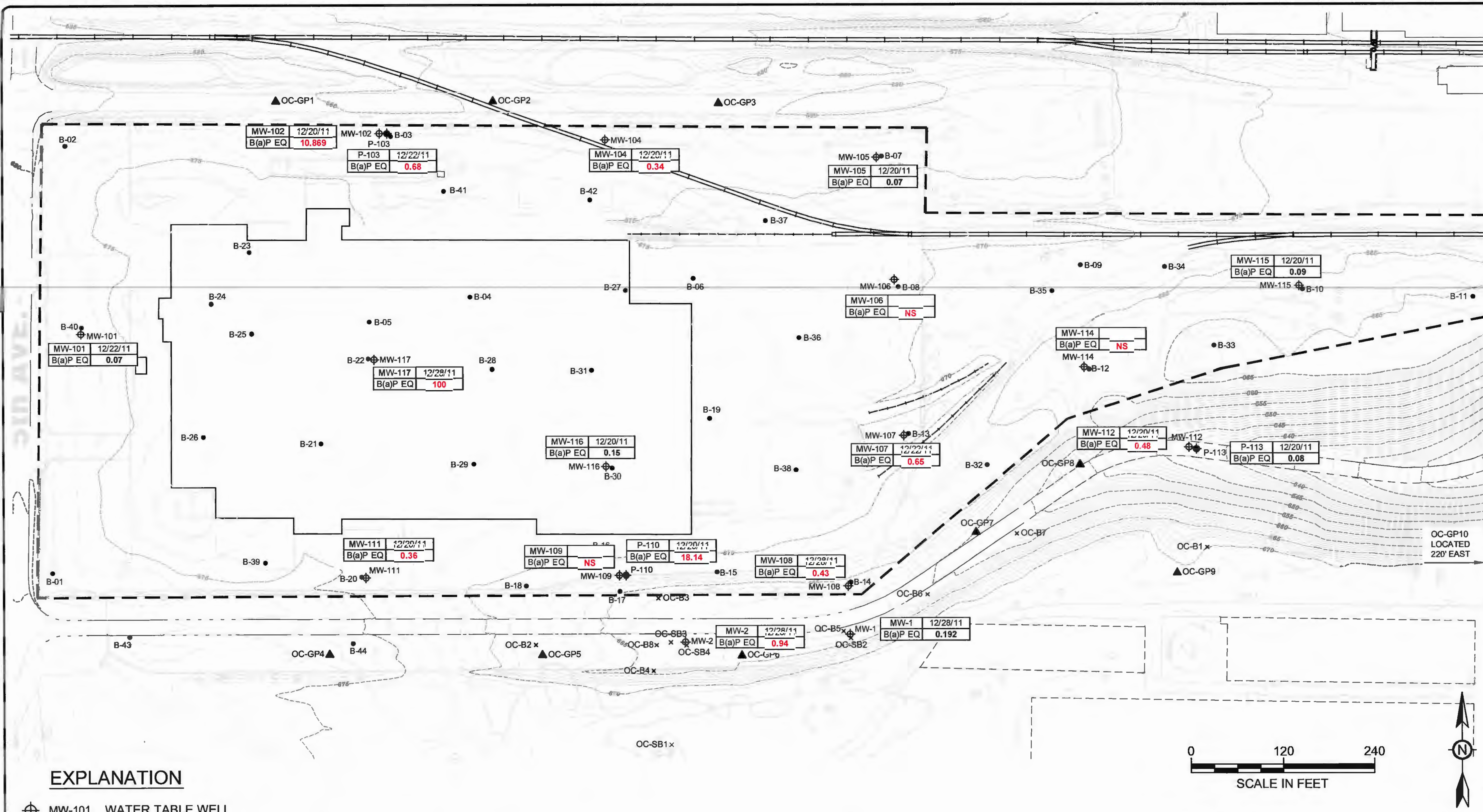
TITLE: CONNELL LLC PROPERTY
VOCs IN GROUNDWATER

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN	FIGURE:
DRAFTED	HJW	6
PROJECT	117-2201220	
DATE	2/1/12	

S:\CAD\BEAZER\WABASH\1-11-12\VOCS GROUNDWATER MAP.DWG



EXPLANATION

MW-101	WATER TABLE WELL
P-103	NESTED PIEZOMETER
B-01	SOIL BORING
OC-SB1	SOIL BORING (CITY OF OAK CREEK)
OC-GP1	GEOPROBE (CITY OF OAK CREEK)
— — —	APPROXIMATE PROPERTY BOUNDARY

SAMPLE ID — MW-1 | 12/28/11 — B(a)P EQ | 0.192 — BENZO(A)PYRENE EQUIVALENTS (ug/L)

"NS" INDICATES LOCATION NOT SAMPLED DUE TO PRESENCE OF FREE PRODUCT

0.15 — BOLD INDICATES CONCENTRATION EXCEEDS WDNR NR140 PREVENTIVE ACTION LIMIT OF 0.02 ug/L

100 — BOLD AND RED INDICATES CONCENTRATION EXCEEDS WDNR NR140 ENFORCEMENT STANDARD OF 0.2 ug/L

NS

TITLE: CONNELL LLC PROPERTY
BENZO(A)PYRENE EQUIVALENTS IN GROUNDWATER

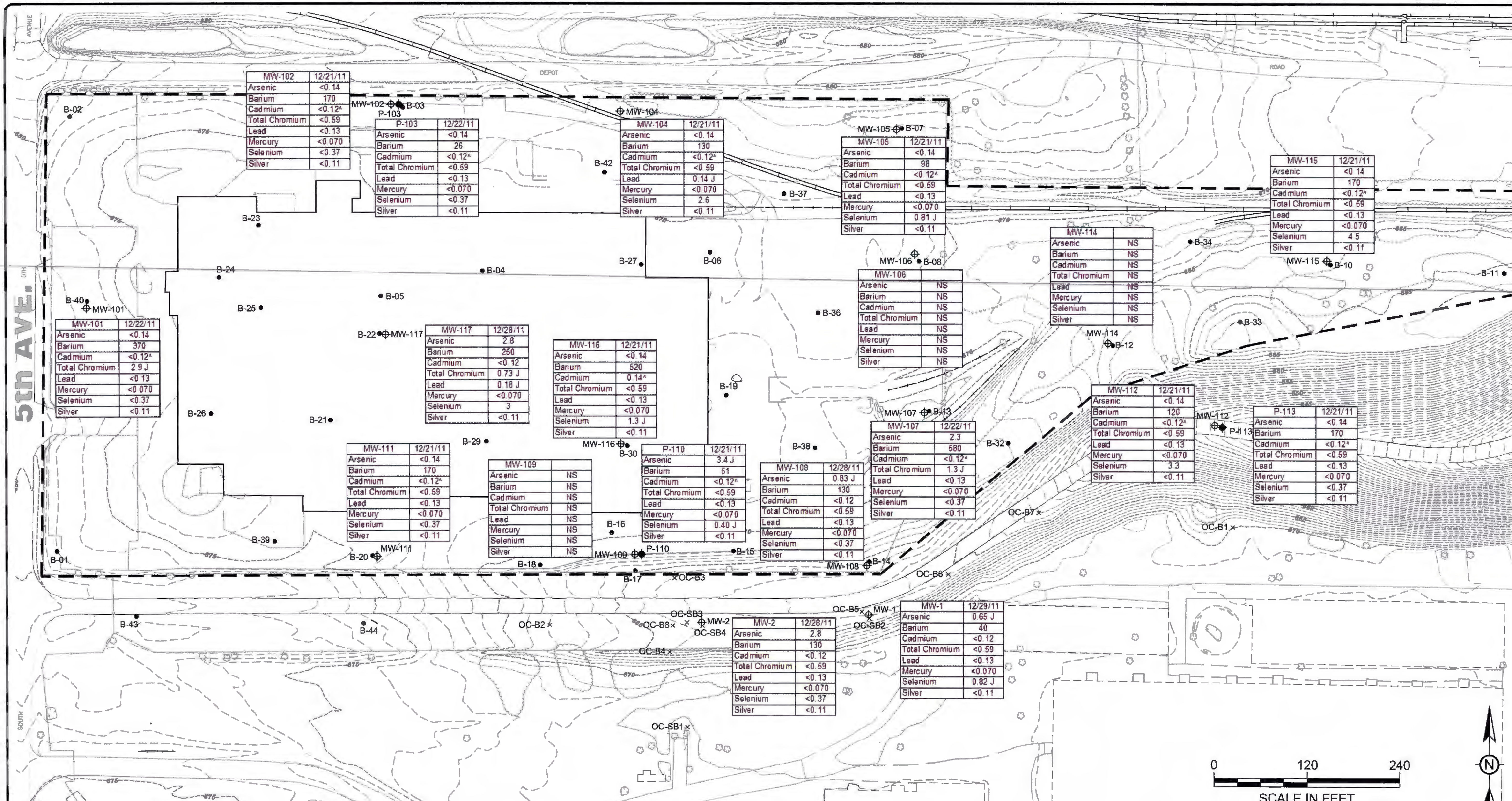
LOCATION: OAK CREEK, WISCONSIN

TETRATECH

CHECKED	MRN
DRAFTED	HJW
PROJECT	117-2201220
DATE	11/13/12

FIGURE: 7

S:\CAD\BEAZER\WABASH\1-11-12\BAP GROUNDWATER MAP.DWG



MW-102	12/21/11
Arsenic	<0.14
Barium	170
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

P-103	12/22/11
Arsenic	<0.14
Barium	26
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

MW-104	12/21/11
Arsenic	<0.14
Barium	130
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	0.14 J
Mercury	<0.070
Selenium	2.6
Silver	<0.11

MW-105	12/21/11
Arsenic	<0.14
Barium	98
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	0.81 J
Silver	<0.11

MW-115	12/21/11
Arsenic	<0.14
Barium	170
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	4.5
Silver	<0.11

MW-114	
Arsenic	NS
Barium	NS
Cadmium	NS
Total Chromium	NS
Lead	NS
Mercury	NS
Selenium	NS
Silver	NS

MW-106	
Arsenic	NS
Barium	NS
Cadmium	NS
Total Chromium	NS
Lead	NS
Mercury	NS
Selenium	NS
Silver	NS

MW-101	12/22/11
Arsenic	<0.14
Barium	370
Cadmium	<0.12[A]
Total Chromium	2.9 J
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

MW-117	12/28/11
Arsenic	2.8
Barium	250
Cadmium	<0.12
Total Chromium	0.73 J
Lead	0.18 J
Mercury	<0.070
Selenium	3
Silver	<0.11

MW-116	12/21/11
Arsenic	<0.14
Barium	520
Cadmium	0.14[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	1.3 J
Silver	<0.11

MW-112	12/21/11
Arsenic	<0.14
Barium	120
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	3.3
Silver	<0.11

P-113	12/21/11
Arsenic	<0.14
Barium	170
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

MW-107	12/22/11
Arsenic	2.3
Barium	580
Cadmium	<0.12[A]
Total Chromium	1.3 J
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

MW-111	12/21/11
Arsenic	<0.14
Barium	170
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

MW-109	
Arsenic	NS
Barium	NS
Cadmium	NS
Total Chromium	NS
Lead	NS
Mercury	NS
Selenium	NS
Silver	NS

P-110	12/21/11
Arsenic	3.4 J
Barium	51
Cadmium	<0.12[A]
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	0.40 J
Silver	<0.11

MW-108	12/28/11
Arsenic	0.83 J
Barium	130
Cadmium	<0.12
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

MW-2	12/28/11
Arsenic	2.8
Barium	130
Cadmium	<0.12
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

MW-1	12/29/11
Arsenic	0.65 J
Barium	40
Cadmium	<0.12
Total Chromium	<0.59
Lead	<0.13
Mercury	<0.070
Selenium	0.82 J
Silver	<0.11

EXPLANATION

- ⊕ MW-101 WATER TABLE WELL
- + P-103 NESTED PIEZOMETER
- ⊗ B-01 SOIL BORING
- × OC-SB1 SOIL BORING (CITY OF OAK CREEK)
- — — — APPROXIMATE PROPERTY BOUNDARY

SAMPLE ID — SAMPLE DATE

METALS (ug/L)

MW-107	12/22/11
Arsenic	2.3
Barium	580
Cadmium	<0.12[A]
Total Chromium	1.3 J
Lead	<0.13
Mercury	<0.070
Selenium	<0.37
Silver	<0.11

NS "NS" INDICATES LOCATION NOT SAMPLED DUE TO PRESENCE OF FREE PRODUCT

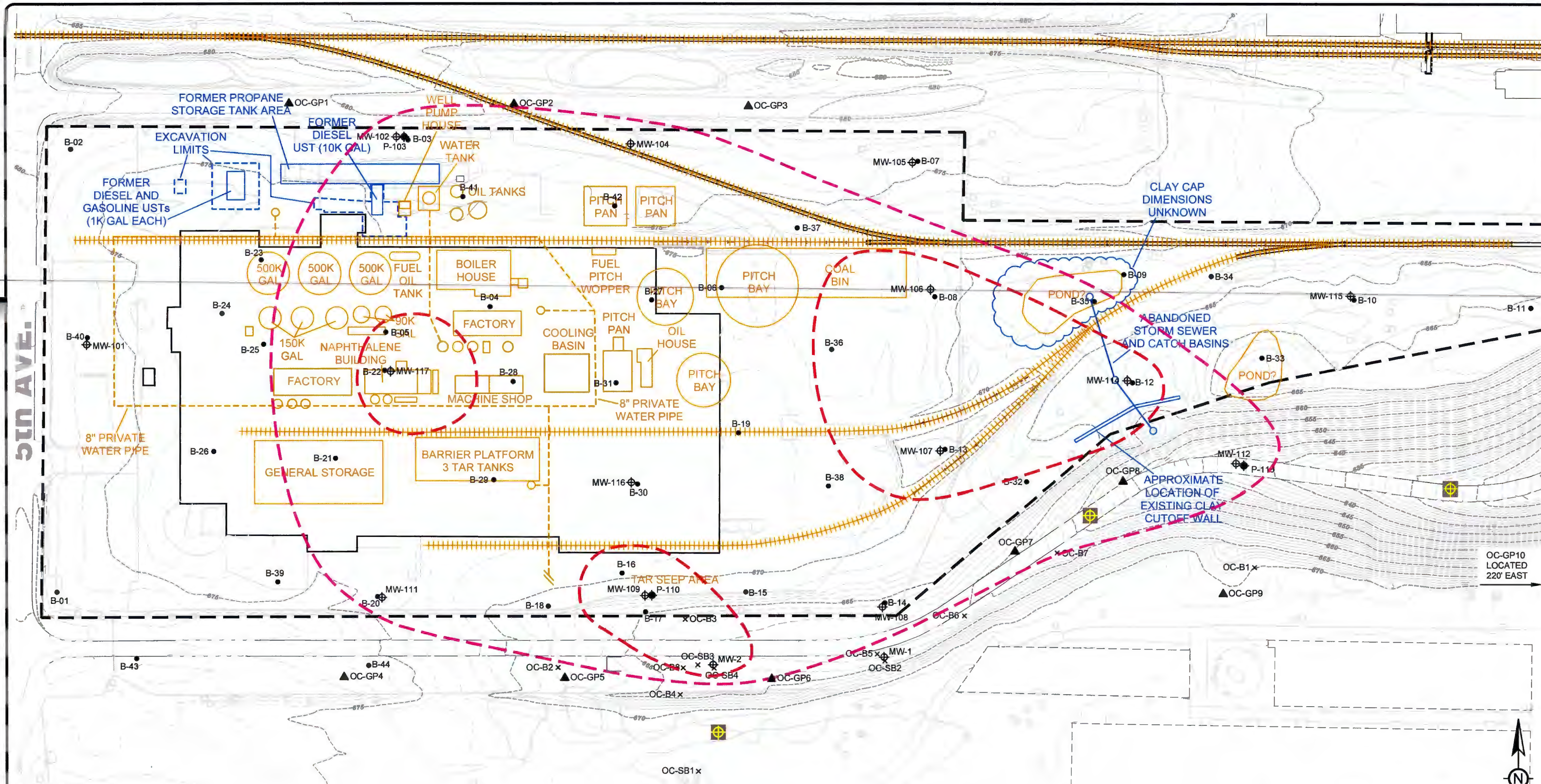
TITLE:	CONNELL LLC PROPERTY METALS IN GROUNDWATER
LOCATION:	OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN
DRAFTED	HJW
PROJECT	117-2201220
DATE	4/5/12

FIGURE: 8

Y:\ACADATA\PROJECTS\20\2095\SOURCE\BEAZER FIGURES 2,3,5,6,8,9,10\FIGURE 8 - METALS GROUNDWATER MAP.DWG



EXPLANATION

MW-101	WATER TABLE WELL	
P-103	NESTED PIEZOMETER	
B-01	SOIL BORING	
OC-SB1	SOIL BORING (CITY OF OAK CREEK)	
OC-GP1	GEOPROBE (CITY OF OAK CREEK)	
	APPROXIMATE PROPERTY BOUNDARY	

SVOC ABOVE ENFORCEMENT STANDARD

VOC ABOVE ENFORCEMENT STANDARD

PROPOSED MONITORING WELL

NOTE: WELLS MW-106, MW-109, AND MW-114 NOT SAMPLED DUE TO PRESENCE OF NAPL.

FORMER TAR PLANT STRUCTURES

PAST REMEDIAL ACTIVITIES

TITLE: CONNELL LLC PROPERTY

GROUNDWATER EXCEEDING NR140 ES AND PROPOSED WELL LOCATIONS

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN	FIGURE:
DRAFTED	HJW	12
PROJECT	117-2201220	
DATE	11/13/12	

S:\CAD\BEAZER\WABASH\10-16-12\FIGURE 14.DWG

	WDNR NR140		Units	MW-1	MW-2	MW-101	MW-102	P-103	P-103 Dup	MW-104	MW-105	MW-106	MW-107	MW-108	MW-109	P-110	MW-111	MW-112	P-113	MW-114	MW-115	MW-116	MW-117
	PAL	ES		12/29/11	12/28/11	12/22/11	12/21/11	12/22/11	12/22/11	12/21/11	12/21/11		12/22/11	12/28/11		12/21/11	12/21/11	12/21/11	12/21/11		12/21/11	12/21/11	12/28/11
1,1,1,2-Tetrachloroethane	7	70	ug/L	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NS	<25	<0.25	NS	<5.0	<0.25	<0.25	<0.25	NS	<0.25	<0.25	<20
1,1,1-Trichloroethane	40	200	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
1,1,2,2-Tetrachloroethane	0.02	0.2	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
1,1,2-Trichloroethane	0.5	5	ug/L	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NS	<25	<0.25	NS	<5.0	<0.25	<0.25	<0.25	NS	<0.25	<0.25	<20
1,1-Dichloroethane	85	850	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
1,1-Dichloroethene	0.7	7	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
1,1-Dichloropropene			ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
1,2,3-Trichlorobenzene			ug/L	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NS	<25	<0.25	NS	<5.0	<0.25	<0.25	<0.25	NS	<0.25	<0.25	<20
1,2,3-Trichloropropane	12	60	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
1,2,4-Trichlorobenzene	14	70	ug/L	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NS	<25	<0.25	NS	<5.0	<0.25	<0.25	<0.25	NS	<0.25	<0.25	<20
1,2,4-Trimethylbenzene	96	480	ug/L	<0.20	*210*	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	*310*	1.5 J	NS	22	<0.20	<0.20	<0.20	NS	<0.20	<0.20	**520**
1,2-Dibromo-3-Chloropropane	0.02	0.2	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
1,2-Dibromoethane (EDB)	0.005	0.05	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
1,2-Dichlorobenzene	60	600	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
1,2-Dichloroethane	0.5	5	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
1,2-Dichloropropane	0.5	5	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
1,3,5-Trimethylbenzene	96	480	ug/L	<0.20	34	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	*140*	0.55 J	NS	13	<0.20	<0.20	<0.20	NS	<0.20	<0.20	*220*
1,3-Dichlorobenzene	125	1250	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
1,3-Dichloropropane	0.02	0.2	ug/L	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NS	<25	<0.25	NS	<5.0	<0.25	<0.25	<0.25	NS	<0.25	<0.25	<20
1,4-Dichlorobenzene	15	75	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
2,2-Dichloropropane			ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
2-Chlorotoluene			ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
4-Chlorotoluene			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Benzene	0.5	5	ug/L	<0.20	**110**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	**2200**	<0.20	NS	**6.8**	<0.20	<0.20	<0.20	NS	<0.20	<0.20	**3800**
Bromobenzene			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Bromochloromethane			ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
Bromodichloromethane	0.06	0.6	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Bromoform	0.44	4.4	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Bromomethane	1	10	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
Carbon tetrachloride	0.5	5	ug/L	<0.80	<1.6	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	NS	<80	<0.80	NS	<16	<0.80	<0.80	<0.80	NS	<0.80	<0.80	<64
Chlorobenzene			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Chlorodibromomethane			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Chloroethane	80	400	ug/L	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	<100	<1.0	NS	<20	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<80
Chloroform	0.6	6	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	0.21	<0.20	0.22	NS	<0.20	<0.20	<16
Chloromethane	0.3	3	ug/L	<0.30	<0.60	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NS	<30	<0.30	NS	<6.0	<0.30	<0.30	<0.30	NS	<0.30	<0.30	<24
cis-1,2-Dichloroethene	7	70	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
cis-1,3-Dichloropropene			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Dibromomethane			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Dichlorodifluoromethane	200	1000	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
Ethylbenzene	140	700	ug/L	<0.50	*180*	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	*580*	0.62 J	NS	11	<0.50	<0.50	<0.50	NS	<0.50	<0.50	*410*
Hexachlorobutadiene			ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
Isopropyl ether			ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
Isopropylbenzene			ug/L	<0.20	18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	27	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	24 J
Methyl tert-butyl ether	12	60	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
Methylene Chloride	0.5	5	ug/L	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	<100	<1.0	NS	<20	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<80
Naphthalene	10	100	ug/L	0.43 J	**5800**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NS	**17000**	*63*	NS	**3000**	0.37	<0.25	<0.25	NS	<0.25	0.45	**26000**
n-Butylbenzene			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
N-Propylbenzene			ug/L	<0.50	6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
p-Isopropyltoluene			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	94	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
sec-Butylbenzene			ug/L	<0.25	<0.50	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NS	<25	<0.25	NS	<5.0	<0.25	<0.25	<0.25	NS	<0.25	<0.25	<20
Styrene	10	100	ug/L	<0.50	*14*	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	110 J
tert-Butylbenzene			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Tetrachloroethene	0.5	5	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
Toluene	200	1000	ug/L	<0.50	53	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	*540*	<0.50	NS	17	<0.50	<0.50	<0.50	NS	<0.50	<0.50	**3300**
trans-1,2-Dichloroethene	20	100	ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
trans-1,3-Dichloropropene			ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Trichloroethene	0.5	5	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Trichlorofluoromethane			ug/L	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	<50	<0.50	NS	<10	<0.50	<0.50	<0.50	NS	<0.50	<0.50	<40
Vinyl chloride	0.02	0.2	ug/L	<0.20	<0.40	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NS	<20	<0.20	NS	<4.0	<0.20	<0.20	<0.20	NS	<0.20	<0.20	<16
Xylenes, Total	1000	10000	ug/L	<0.50	470	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NS	*2400*	1.0 J	NS	44	<0.50	<0.50	<0.50	NS	<0.50	<0.50	*2300*
Total VOCs			ug/L	0.43	6895	0	0	0	0	0	0	NS	23291	66.7	NS	3114	0.58	0	0	NS	0	0	36684

Italic: Value exceeds NR140 Preventive Action Limit

Bold: Value exceeds NR140 Enforcement Standard

J: Result is <RL but >MDL; concentration is approximate

	WDNR NR140		Units	MW-1	MW-2	MW-101	MW-102	P-103	P-103 Dup	MW-104	MW-105	MW-106	MW-107	MW-108	MW-109	P-110	MW-111	MW-112	P-113	MW-114	MW-115	MW-116	MW-117
	PAL	ES		12/28/11	12/28/11	12/22/11	12/20/11	12/22/11	12/22/11	12/20/11	12/20/11		12/22/11	12/28/11		12/20/11	12/20/11	12/20/11	12/20/11		12/20/11	12/20/11	12/28/11
1-Methylnaphthalene			ug/L	<0.93	230	<0.93	NA	NA	NA	<0.93	<0.93	NS	700	5.2	NS	NA	<0.93	<0.93	<0.93	NS	<0.93	<0.93	1900
1,2,4-Trichlorobenzene	14	70	ug/L	NA	NA	NA	<0.28	<0.28	<0.28	NA	NA	NS	NA	NA	NS	<2.8	NA	NA	NA	NS	NA	NA	NA
1,2-Dichlorobenzene	60	600	ug/L	NA	NA	NA	<0.27	<0.27	<0.27	NA	NA	NS	NA	NA	NS	<2.7	NA	NA	NA	NS	NA	NA	NA
1,3-Dichlorobenzene	125	1250	ug/L	NA	NA	NA	<0.23	<0.23	<0.23	NA	NA	NS	NA	NA	NS	<2.3	NA	NA	NA	NS	NA	NA	NA
1,4-Dichlorobenzene	15	75	ug/L	NA	NA	NA	<0.25	<0.25	<0.25	NA	NA	NS	NA	NA	NS	<2.5	NA	NA	NA	NS	NA	NA	NA
2,2'-oxybis[1-chloropropane]			ug/L	NA	NA	NA	<0.28	<0.28	<0.28	NA	NA	NS	NA	NA	NS	<2.8	NA	NA	NA	NS	NA	NA	NA
2,4,5-Trichlorophenol	5	50	ug/L	NA	NA	NA	<2.1	<2.1	<2.1	NA	NA	NS	NA	NA	NS	<21	NA	NA	NA	NS	NA	NA	NA
2,4,6-Trichlorophenol			ug/L	NA	NA	NA	<1.0	<1.0	<1.0	NA	NA	NS	NA	NA	NS	<10	NA	NA	NA	NS	NA	NA	NA
2,4-Dichlorophenol			ug/L	NA	NA	NA	<2.1	<2.1	<2.1	NA	NA	NS	NA	NA	NS	<21	NA	NA	NA	NS	NA	NA	NA
2,4-Dimethylphenol			ug/L	NA	NA	NA	<3.1	<3.1	<3.1	NA	NA	NS	NA	NA	NS	31 J	NA	NA	NA	NS	NA	NA	NA
2,4-Dinitrophenol			ug/L	NA	NA	NA	<6.9	<6.9	<6.9	NA	NA	NS	NA	NA	NS	<69	NA	NA	NA	NS	NA	NA	NA
2,4-Dinitrotoluene	0.005	0.05	ug/L	NA	NA	NA	<0.28	<0.28	<0.28	NA	NA	NS	NA	NA	NS	<2.8	NA	NA	NA	NS	NA	NA	NA
2,6-Dinitrotoluene	0.005	0.05	ug/L	NA	NA	NA	<0.11	<0.11	<0.11	NA	NA	NS	NA	NA	NS	<1.1	NA	NA	NA	NS	NA	NA	NA
2-Chloronaphthalene			ug/L	NA	NA	NA	<0.32	<0.32	<0.32	NA	NA	NS	NA	NA	NS	<3.2	NA	NA	NA	NS	NA	NA	NA
2-Chlorophenol			ug/L	NA	NA	NA	<0.75	<0.75	<0.75	NA	NA	NS	NA	NA	NS	<7.5	NA	NA	NA	NS	NA	NA	NA
2-Methylnaphthalene			ug/L	<0.12	39	<0.12	<0.12	<0.12	0.42 J	<0.12	<0.12	NS	1300	0.23 J	NS	380	0.64	<0.12	<0.12	NS	<0.12	<0.12	3600
2-Methylphenol			ug/L	NA	NA	NA	<0.29	<0.29	<0.29	NA	NA	NS	NA	NA	NS	14 J	NA	NA	NA	NS	NA	NA	NA
2-Nitroaniline			ug/L	NA	NA	NA	<1.0	<1.0	<1.0	NA	NA	NS	NA	NA	NS	<10	NA	NA	NA	NS	NA	NA	NA
2-Nitrophenol			ug/L	NA	NA	NA	<2.0	<2.0	<2.0	NA	NA	NS	NA	NA	NS	<20	NA	NA	NA	NS	NA	NA	NA
3 & 4 Methylphenol			ug/L	NA	NA	NA	<0.41	<0.41	0.74 J	NA	NA	NS	NA	NA	NS	26	NA	NA	NA	NS	NA	NA	NA
3,3'-Dichlorobenzidine			ug/L	NA	NA	NA	<0.88	<0.88	<0.88	NA	NA	NS	NA	NA	NS	<8.8	NA	NA	NA	NS	NA	NA	NA
3-Nitroaniline			ug/L	NA	NA	NA	<2.1	<2.1	<2.1	NA	NA	NS	NA	NA	NS	<21	NA	NA	NA	NS	NA	NA	NA
4,6-Dinitro-2-methylphenol			ug/L	NA	NA	NA	<4.6	<4.6	<4.6	NA	NA	NS	NA	NA	NS	<46	NA	NA	NA	NS	NA	NA	NA
4-Bromophenyl phenyl ether			ug/L	NA	NA	NA	<0.85	<0.85	<0.85	NA	NA	NS	NA	NA	NS	<8.5	NA	NA	NA	NS	NA	NA	NA
4-Chloro-3-methylphenol			ug/L	NA	NA	NA	<2.1	<2.1	<2.1	NA	NA	NS	NA	NA	NS	<21	NA	NA	NA	NS	NA	NA	NA
4-Chloroaniline			ug/L	NA	NA	NA	<2.0	<2.0	<2.0	NA	NA	NS	NA	NA	NS	<20	NA	NA	NA	NS	NA	NA	NA
4-Chlorophenyl phenyl ether			ug/L	NA	NA	NA	<0.76	<0.76	<0.76	NA	NA	NS	NA	NA	NS	<7.6	NA	NA	NA	NS	NA	NA	NA
4-Nitroaniline			ug/L	NA	NA	NA	<3.7	<3.7	<3.7	NA	NA	NS	NA	NA	NS	<37	NA	NA	NA	NS	NA	NA	NA
4-Nitrophenol			ug/L	NA	NA	NA	<2.2	<2.2	<2.2	NA	NA	NS	NA	NA	NS	<22	NA	NA	NA	NS	NA	NA	NA
Acenaphthene			ug/L	<0.34	70	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	NS	240	8.2	NS	160	0.65 J	<0.34	1.3	NS	<0.34	<0.34	500
Acenaphthylene			ug/L	<0.30	14	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NS	14	<0.30	NS	65	<0.30	<0.30	<0.30	NS	<0.30	<0.30	<150
Anthracene	600	3000	ug/L	<0.30	2.3	<0.30	0.54 J	<0.30	<0.30	<0.30	<0.30	NS	17	0.53 J	NS	99	0.40 J	<0.30	<0.30	NS	<0.30	<0.30	<150
Benzo[a]anthracene			ug/L	0.12 J	1	<0.041	7.4	0.3	0.11 J	0.18 J	<0.041	NS	<0.41	0.36	NS	15	0.31	0.51	0.14 J	NS	0.16 J	0.12 J	45 J
Benzo[a]pyrene	0.02	0.2	ug/L	*0.13 J*	**0.6**	<0.052	**5.1**	**0.42**	*0.14 J*	**0.24**	<0.052	NS	<0.52	**0.31**	NS	**12**	**0.25**	**0.32**	<0.052	NS	<0.052	*0.096 J*	**30 J**
Benzo[b]fluoranthene	0.02	0.2	ug/L	*0.16 J*	**0.85**	<0.054	**13**	**0.55**	*0.17 J*	**0.36**	<0.054	NS	<0.54	**0.38**	NS	**15**	**0.36**	**0.54**	<0.054	NS	*0.14 J*	*0.097 J*	**34 J**
Benzo[g,h,i]perylene			ug/L	<0.39	<0.39	<0.39	6.5	<0.39	<0.39	<0.39	<0.39	NS	<3.9	<0.39	NS	5.7 J	<0.39	<0.39	<0.39	NS	<0.39	<0.39	<200
Benzo[k]fluoranthene			ug/L	<0.069	0.35	<0.069	6	0.2	<0.069	0.11 J	<0.069	NS	<0.69	0.18 J	NS	3.9	0.17 J	0.25	<0.069	NS	<0.069	<0.069	<35
Benzoic acid			ug/L	NA	NA	NA	<4.3	<4.3	<4.3	NA	NA	NS	NA	NA	NS	<43	NA	NA	NA	NS	NA	NA	NA
Benzyl alcohol			ug/L	NA	NA	NA	<2.9	<2.9	<2.9	NA	NA	NS	NA	NA	NS	<29	NA	NA	NA	NS	NA	NA	NA
Bis(2-chloroethoxy)methane			ug/L	NA	NA	NA	<0.28	<0.28	<0.28	NA	NA	NS	NA	NA	NS	<2.8	NA	NA	NA	NS	NA	NA	NA
Bis(2-chloroethyl)ether			ug/L	NA	NA	NA	<0.33	<0.33	<0.33	NA	NA	NS	NA	NA	NS	<3.3	NA	NA	NA	NS	NA	NA	NA
Bis(2-ethylhexyl) phthalate	0.6	6	ug/L	NA	NA	NA	<2.3	4.0 J	<2.3	NA	NA	NS	NA	NA	NS	<23	NA	NA	NA	NS	NA	NA	NA
Butyl benzyl phthalate			ug/L	NA	NA	NA	<0.25	<0.25	<0.25	NA	NA	NS	NA	NA	NS	<2.5	NA	NA	NA	NS	NA	NA	NA
Carbazole			ug/L	NA	NA	NA	<0.93	<0.93	<0.93	NA	NA	NS	NA	NA	NS	250	NA	NA	NA	NS	NA	NA	NA
Chrysene	0.02	0.2	ug/L	<0.13	**0.82**	<0.13	**8.6**	**0.39 J**	*0.13 J*	**0.22 J**	<0.13	NS	<1.3	**0.29 J**	NS	**27**	**0.32 J**	**0.43 J**	*0.13 J*	NS	**0.22 J**	*0.13 J*	<65
Dibenz(a,h)anthracene			ug/L	<0.060	0.12 J	<0.060	3.1	0.14 J	<0.060	<0.060	<0.060	NS	<0.60	<0.060	NS	2.5 J	<0.060	<0.060	<0.060	NS	<0.060	<0.060	<30
Dibenzofuran			ug/L	NA	NA	NA	<0.33	<0.33	<0.33	NA	NA	NS	NA	NA	NS	130	NA	NA	NA	NS	NA	NA	NA
Diethyl phthalate			ug/L	NA	NA	NA	<0.41	<0.41	<0.41	NA	NA	NS	NA	NA	NS	<4.1	NA	NA	NA	NS	NA	NA	NA
Dimethyl phthalate			ug/L	NA	NA	NA	<0.36	<0.36	<0.36	NA	NA	NS	NA	NA	NS	<3.6	NA	NA	NA	NS	NA	NA	NA
Di-n-butyl phthalate	20	100	ug/L	NA	NA	NA	<0.75	<0.75	<0.75	NA	NA	NS	NA	NA	NS	<7.5	NA	NA	NA	NS	NA	NA	NA
Di-n-octyl phthalate			ug/L	NA	NA	NA	<2.3	<2.3	<2.3	NA	NA	NS	NA	NA	NS	<23	NA	NA	NA	NS	NA	NA	NA
Fluoranthene	80	400	ug/L	<0.30	7	<0.30	9	0.46 J	<0.30	0.37 J	<0.30	NS	19	1.3	NS	82	1.1	1.3	2	NS	2	2.2	*180 J*
Fluorene	80	400	ug/L	<0.36	26	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	NS	120	3.3	NS	160	0.72 J	<0.36	0.46 J	NS	<0.36	<0.36	*360 J*
Hexachlorobenzene	0.1	1	ug/L	NA	NA	NA	<0.13	<0.13	<0.13	NA	NA	NS	NA	NA	NS	<1.3	NA	NA	NA	NS	NA	NA	NA
Hexachlorobutadiene			ug/L	NA	NA	NA	<1.0	<1.0	<1.0	NA	NA	NS	NA	NA	NS	<10	NA	NA	NA	NS	NA	NA	NA
Hexachlorocyclopentadiene			ug/L	NA	NA	NA	<3.2	<3.2	<3.2	NA	NA	NS	NA	NA	NS	<32	NA	NA	NA	NS	NA	NA	NA
Hexachloroethane			ug/L	NA	NA	NA	<0.91	<0.91	<0.91	NA	NA	NS	NA	NA	NS	<9.1	NA	NA	NA	NS	NA	NA	NA
Indeno[1,2,3-cd]pyrene			ug/L	<0.079	0.29	<0.079	5.6	0.21	<0.079	0.17 J	<0.079	NS	<0.79	0.17 J	NS	5.7	0.15 J	0.21	<0.079	NS	<0.079	<0.079	<39
Isophorone			ug/L	NA	NA	NA	<0.27	<0.27	<0.27	NA	NA	NS	NA	NA	NS	<2.7	NA	NA	NA	NS	NA	NA	NA
Naphthalene	10	100	ug/L	<0.28	**2900**	<0.28	<0.28	0.30 J	7.6	0.29	1.7	NS	**14000**	*26*	NS	**4700**	*15*	<0.28	0.80 J	NS	1.4	1.1	**20000**
Nitrobenzene			ug/L	NA	NA	NA	<0.42	<0.42	<0.42	NA	NA	NS	NA	NA	NS	<4.2	NA	NA	NA	NS	NA	NA	NA
N-Nitrosodi-n-propylamine			ug/L	NA	NA	NA	<0.13	<0.13	<0.13	NA	NA	NS	NA	NA	NS	<1.3	NA	NA	NA	NS	NA	NA	NA
N-Nitrosodiphenylamine			ug/L	NA	NA	NA	<0.32	<0.32	<0.32	NA	NA	NS	NA	NA	NS	<3.2	NA	NA	NA	NS	NA	NA	NA
Pentachlorophenol	0.1	1	ug/L	NA	NA	NA	<5.2	<5.2	<5.2	NA	NA	NS	NA	NA	NS	<52	NA	NA	NA	NS	NA	NA	NA
Phenanthrene			ug/L	<0.33	32	<0.33	2.3	<0.33	<0.33	<0.33	<0.33	NS	110	0.75 J	NS	240	1	<0.33	<0.33	NS	<0.33	<0.33	480
Phenol	1200	6000	ug/L	NA	NA	NA	<0.34	<0.34	<0.34	NA	NA	NS	NA	NA	NS	<3.4	NA	NA	NA	NS	NA	NA	NA
Pyrene	50	250	ug/L	<0.45	4	<0.45	7.8	<0.45	<0.45	<0.45	<0.45	NS	11	0.96	NS	48	0.64 J	2	1.3	NS	1.5	1.9	<220

Italic: Value exceeds NR140 Preventive Action Limit

Bold: Value exceeds NR140 Enforcement Standard

J: Result is <RL but >MDL; concentration is approximate

Table 5. Summary of Groundwater Metal Analytical Results

	Units	MW-1	MW-2	MW-101	MW-102	P-103	MW-104	MW-105	MW-106	MW-107	MW-108
		12/29/11	12/28/11	12/22/11	12/21/11	12/22/11	12/21/11	12/21/11		12/22/11	12/28/11
Arsenic	ug/L	0.65 J	2.8	<0.14	<0.14	<0.14	<0.14	<0.14	NS	2.3	0.83 J
Barium	ug/L	40	130	370	170	26	130	98	NS	580	130
Cadmium	ug/L	<0.12	<0.12	<0.12^	<0.12^	<0.12^	<0.12^	<0.12^	NS	<0.12^	<0.12
Total Chromium	ug/L	<0.59	<0.59	2.9 J	<0.59	<0.59	<0.59	<0.59	NS	1.3 J	<0.59
Lead	ug/L	<0.13	<0.13	<0.13	<0.13	<0.13	0.14 J	<0.13	NS	<0.13	<0.13
Mercury	ug/L	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	NS	<0.070	<0.070
Selenium	ug/L	0.82 J	<0.37	<0.37	<0.37	<0.37	2.6	0.81 J	NS	<0.37	<0.37
Silver	ug/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	NS	<0.11	<0.11

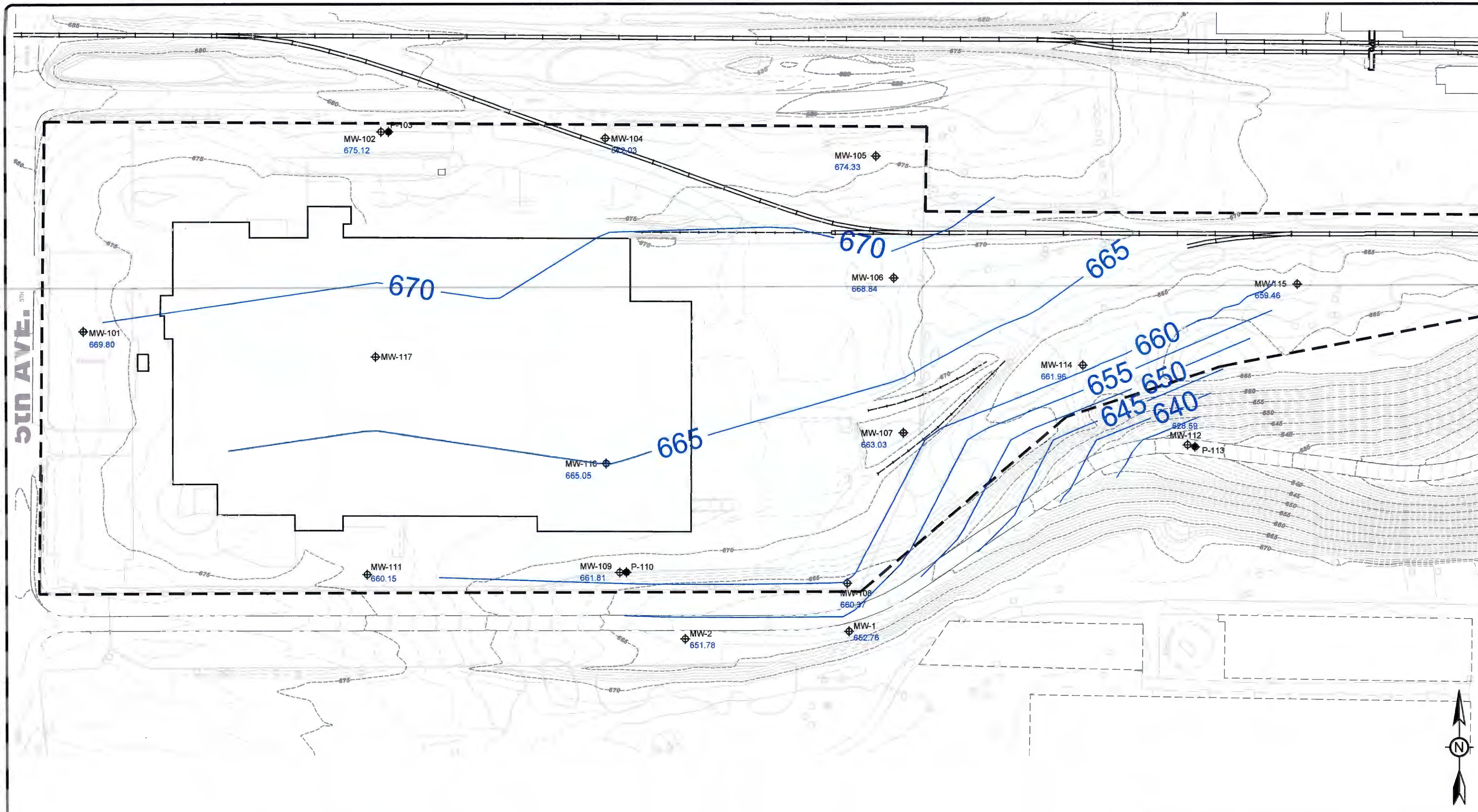
	Units	MW-109	P-110	MW-111	MW-112	P-113	MW-114	MW-115	MW-116	MW-117
			12/21/11	12/21/11	12/21/11	12/21/11		12/21/11	12/21/11	12/28/11
Arsenic	ug/L	NS	3.4 J	<0.14	<0.14	<0.14	NS	<0.14	<0.14	2.8
Barium	ug/L	NS	51	170	120	170	NS	170	520	250
Cadmium	ug/L	NS	<0.12^	<0.12^	<0.12^	<0.12^	NS	<0.12^	0.14^	<0.12
Total Chromium	ug/L	NS	<0.59	<0.59	<0.59	<0.59	NS	<0.59	<0.59	0.73 J
Lead	ug/L	NS	<0.13	<0.13	<0.13	<0.13	NS	<0.13	<0.13	0.18 J
Mercury	ug/L	NS	<0.070	<0.070	<0.070	<0.070	NS	<0.070	<0.070	<0.070
Selenium	ug/L	NS	0.40 J	<0.37	3.3	<0.37	NS	4.5	1.3 J	3
Silver	ug/L	NS	<0.11	<0.11	<0.11	<0.11	NS	<0.11	<0.11	<0.11

J: Result is <RL but >MDL; concentration is approximate

^: Instrument related QC exceeds the control limits

APPENDIX H

WATER TABLE AND DEEP POTENTIOMETRIC SURFACE MAPS PREPARED BY TETRA TECH



EXPLANATION

⊕ MW-101	WATER TABLE WELL
+ P-103	NESTED PIEZOMETER
669.86	WATER TABLE ELEVATION
—660—	WATER TABLE CONTOUR
— — —	APPROXIMATE PROPERTY BOUNDARY

0 120 240
SCALE IN FEET

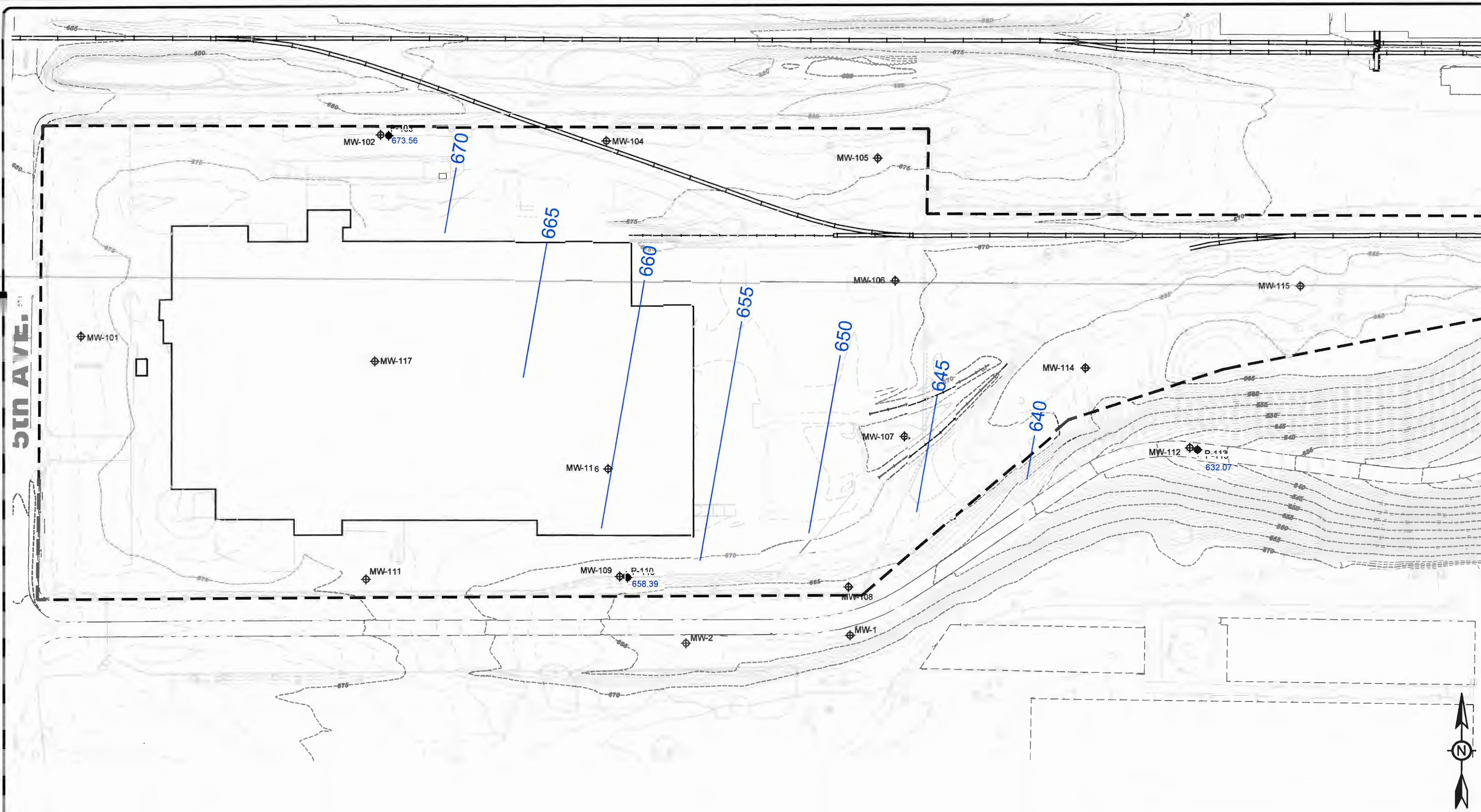
TITLE: CONNELL LLC PROPERTY
WATER TABLE MAP (FEBRUARY 1, 2012)

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

CHECKED	MRN	FIGURE:
DRAFTED	HJW	2
PROJECT	117-2201220	
DATE	2/16/12	

S:\CAD\BEAZER\WABASH\1-11-12\WATER TABLE MAP2.DWG



EXPLANATION

MW-101	WATER TABLE WELL	660	DEEP AQUIFER ZONE CONTOUR
P-103	NESTED PIEZOMETER		APPROXIMATE PROPERTY BOUNDARY
673.54	DEEP AQUIFER ZONE ELEVATION		

0 120 240
SCALE IN FEET

TITLE: CONNELL LLC PROPERTY
DEEP POTENTIOMETRIC SURFACE MAP (FEBRUARY 1, 2012)

LOCATION: OAK CREEK, WISCONSIN

TETRA TECH

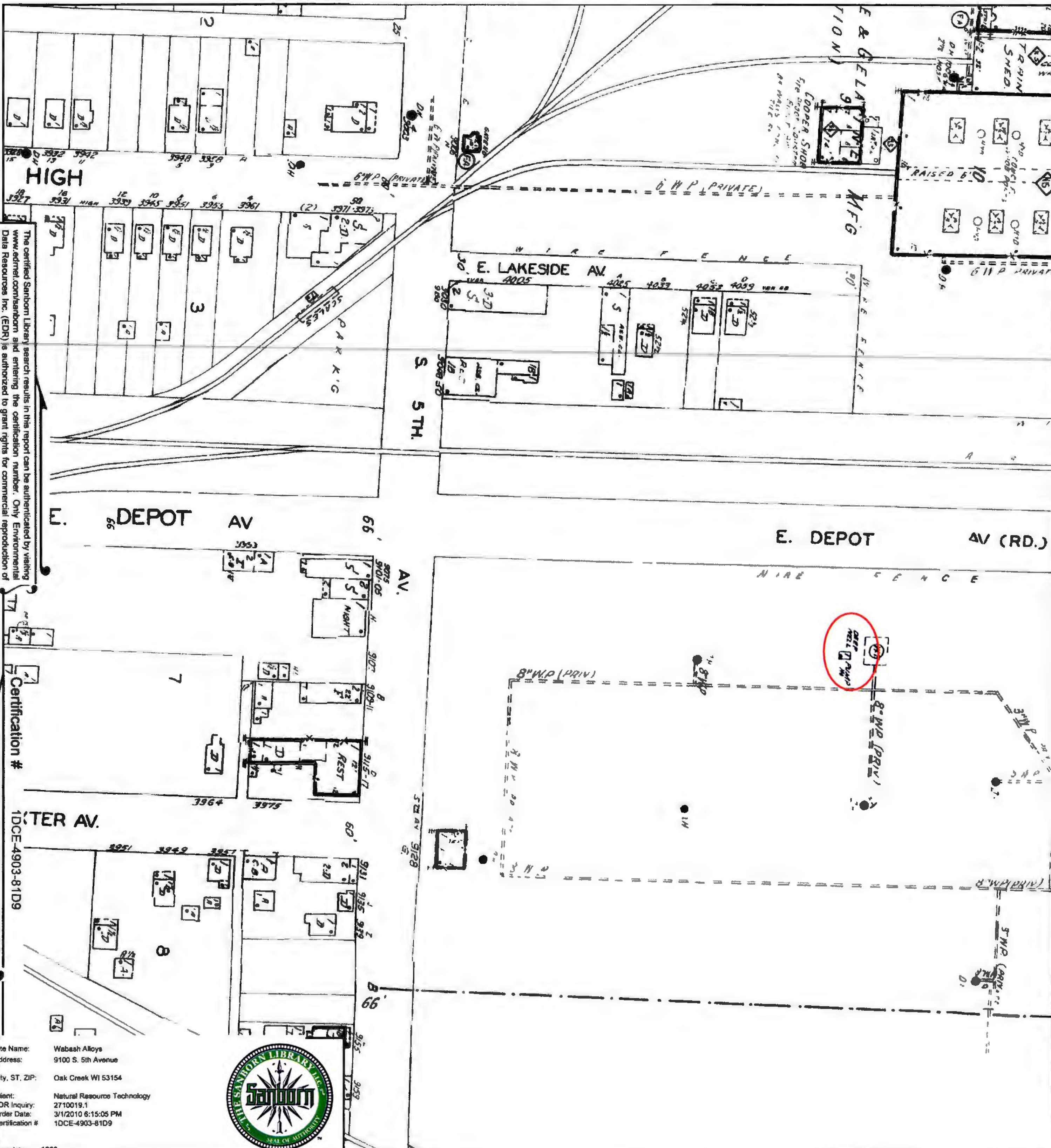
CHECKED	MRN	FIGURE:
DRAFTED	HJW	3
PROJECT	117-2201220	
DATE	11/13/12	

S:\CAD\BEAZER\WABASH\1-11-12\DEEP AQUIFER ZONE MAP2.DWG

APPENDIX I

SANBORN MAPS OF PRIOR LOCATION OF DEEP WATER WELL

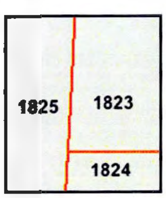
1966 Certified Sanborn Map



Certification # 1DCE-4903-81D9

Site Name: Wabash Alloys
Address: 9100 S. 5th Avenue
City, ST, ZIP: Oak Creek WI 53154
Client: Natural Resource Technology
EDR Inquiry: 2710019.1
Order Date: 3/1/2010 6:15:05 PM
Certification # 1DCE-4903-81D9
Copyright: 1966

This Certified Sanborn Map combines the following sheets (thumbnails on page 3).

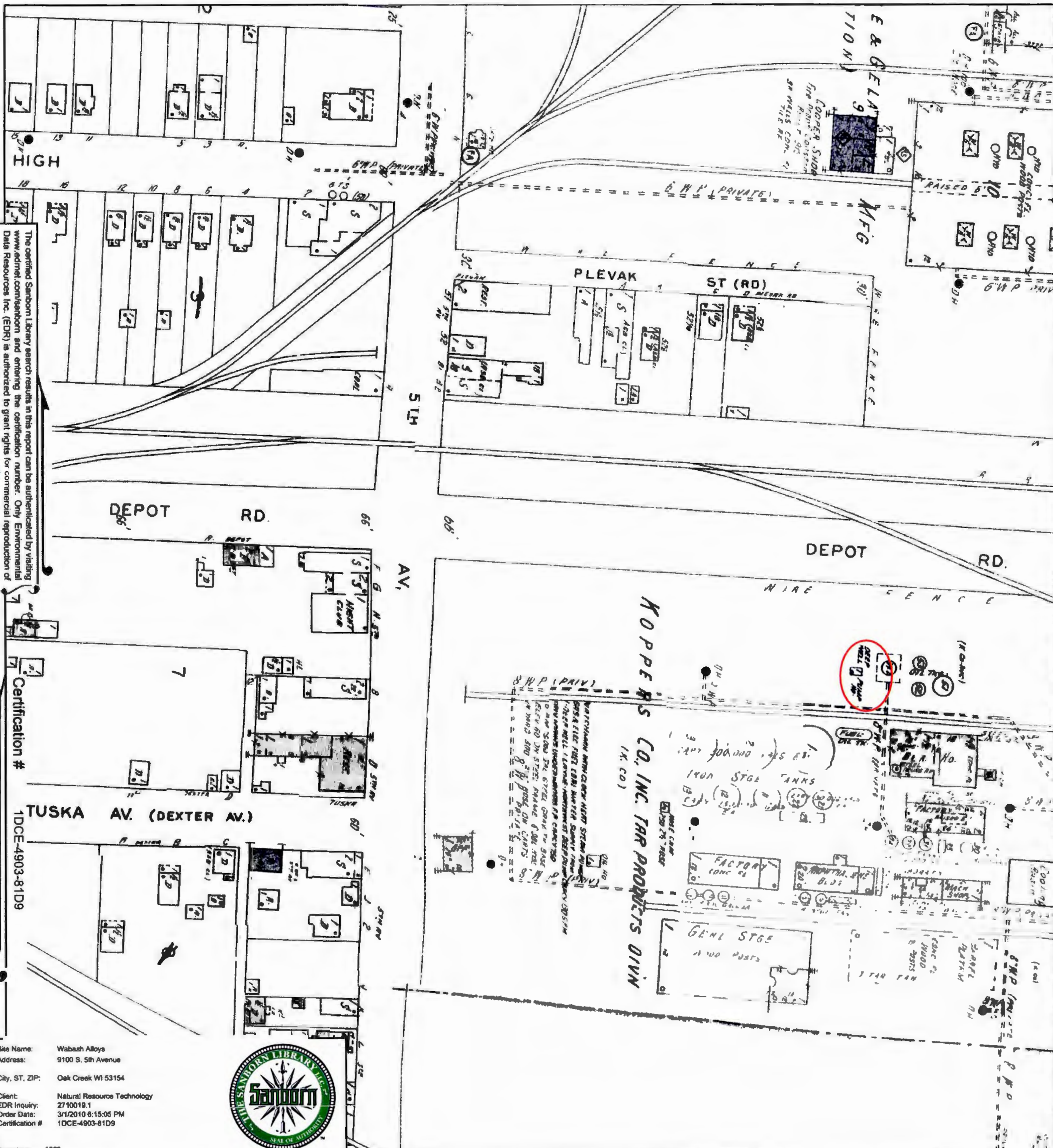


Volume 18, Sheet 1823
Volume 18, Sheet 1824
Volume 18, Sheet 1825

0 Feet 150 300 600

N

1950 Certified Sanborn Map



Certification # 1DCE-4903-81D9

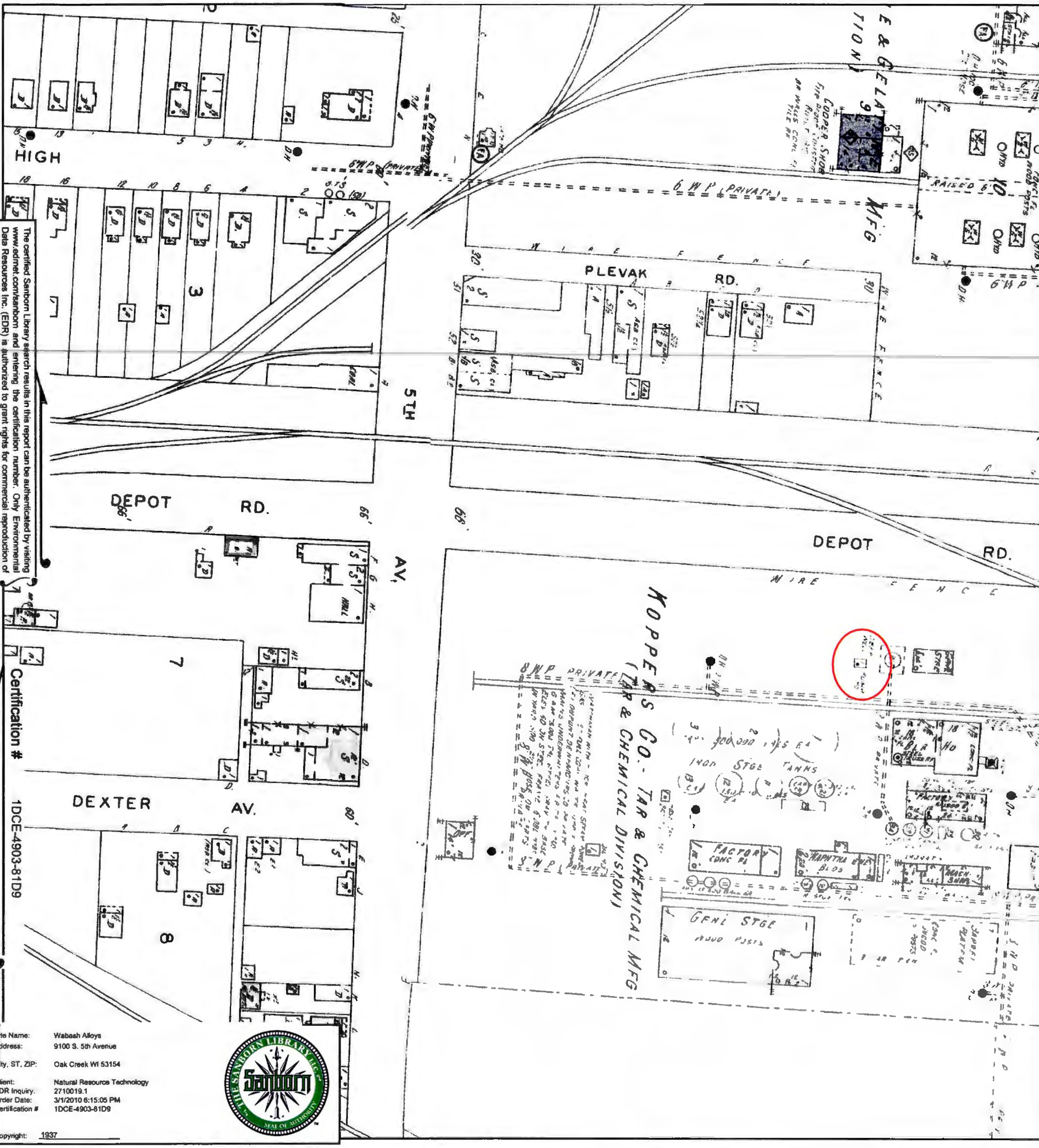
Site Name:	Wabash Alloys
Address:	9100 S. 5th Avenue
City, ST, ZIP:	Oak Creek WI 53154
Client:	Natural Resource Technology
EDR Inquiry:	2710019.1
Order Date:	3/1/2010 6:15:05 PM
Certification #	1DCE-4903-81D9
Copyright:	1950

This Certified Sanborn Map combines the following sheets (thumbnails on page 3).

1825 1823 1824

Volume 17, Sheet 1823
Volume 17, Sheet 1824
Volume 17, Sheet 1825

1937 Certified Sanborn Map



Certification # 1DCE-4903-81D9

Wabash Alloys
9100 S. 5th Avenue
Oak Creek WI 53154
Natural Resource Technology
2710019.1
3/1/2010 6:15:05 PM
1DCE-4903-81D9
Copyright: 1937

This Certified Sanborn Map combines the following sheets (thumbnails on page 3).

0 Feet 150 300 600

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Volume 17, Sheet 1823
Volume 17, Sheet 1824
Volume 17, Sheet 1825

1825 1823 1824