

GIS REGISTRY

Cover Sheet

March, 2010
(RR 5367)

Source Property Information

BRRTS #: 02-36-228354

ACTIVITY NAME: Cool City Cleaners - Former

PROPERTY ADDRESS: 1308 Washington Street

MUNICIPALITY: Two Rivers

PARCEL ID #: 053-000-079-014.01

CLOSURE DATE: Apr 30, 2010

FID #:

DATCP #:

COMM #:

*WTM COORDINATES:

X: 714455 Y: 410900

** Coordinates are in
WTM83, NAD83 (1991)*

WTM COORDINATES REPRESENT:

- Approximate Center Of Contaminant Source
 Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

*(note: for list of off-source properties
see "Impacted Off-Source Property" form)*

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Off-Source Contamination

*(note: for list of off-source properties
see "Impacted Off-Source Property" form)*

Land Use Controls:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations
between non-industrial and industrial levels)*

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

*(note: maintenance plan for
groundwater or direct contact)*

Vapor Mitigation (226)

Maintain Liability Exemption (230)

*(note: local government unit or economic
development corporation was directed to
take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (234)

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: PARCEL ID #:

ACTIVITY NAME: WTM COORDINATES: X: Y:

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter**
- Certificate of Completion (COC)** for VPLE sites

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: NA Title: Not Available
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: A-1 Title: Site Location Map
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: A-2 Title: Site Plan with Boring and Monitoring Well Locations
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: C-3 Title: Extent of RCL Exceedance in Soil

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ACTIVITY NAME: Cool City Cleaners - Former

MAPS (continued)

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: C-1 **Title: Geologic Cross-Section A-A'**

Figure #: C-2 **Title: Geologic Cross-Section B-B'**

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

Note: This is intended to show the total area of contaminated groundwater.

Figure #: E-2 **Title: Extent of ES and PAL Exceedances in Groundwater - September 2008**

- Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: E-1 **Title: Groundwater Flow Map - June 26, 2008**

Figure #: **Title:**

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: C-1 **Title: Summary of Soil Analytical Results**

- Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: E-2 **Title: Monitoring Well Groundwater Analytical Results Summary**

- Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: E-1 **Title: Groundwater and Surface Water Elevation Data**

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: **Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

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ACTIVITY NAME: Cool City Cleaners - Former

NOTIFICATIONS

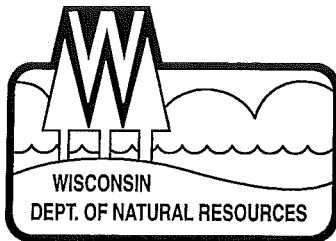
Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.
Number of "Off-Source" Letters:
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
Number of "Governmental Unit/Right-Of-Way Owner" Letters:



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Avenue
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

April 30 2010

Mr. John Kappelmann
Estate of Walter F. Kappelmann
3941 Golfview Drive
Two Rivers, WI 54241

SUBJECT: Final Case Closure with Continuing Obligations
Former Cool City Cleaners, 1308 Washington Street, Two Rivers, Wisconsin
WDNR BRRTS # 02-36-228354

Dear Mr. Kappelmann:

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. **The Department considers this case closed and no further investigation or remediation is required at this time, however, you and future property owners must comply with certain continuing obligations as explained in this letter.**

On November 17, 2009, the Northeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On March 23, 2010, you were notified that the Closure Committee had granted conditional closure to this case.

On April 23, 2010, the Department received information or documentation indicating that you have complied with the requirements for final closure. The conditions of closure required on-site groundwater monitoring wells to be properly abandoned and submittal of additional GIS documentation from an off-site source to be submitted. A groundwater plume from an adjacent petroleum site has migrated onto this property as shown in the attached Figure E-2.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier
- Groundwater contamination is present above Chapter NR 140 enforcement standards
- A soil vapor extraction system must be operated and maintained

This letter and information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. You must pass on the information about these continuing obligations to the next property owner or owners. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter (e.g., cap maintenance and vapor mitigation system operation) are met.

Residual Soil Contamination

Residual soil contamination remains at soil boring locations GB1, GP1 to 5, GP7 to 10, GP12, GP14, 15, GP17, GP19, and HA1 to HA4 as indicated on the attached map (Figure C-3) and in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and Chs. 500 to 536, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement or other impervious cap that currently exists in the location shown on the attached map (Figure H-1) shall be maintained in compliance with the attached **Cap Maintenance Plan**, dated March 23, 2010, in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard

and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

The attached maintenance plan and inspection log are to be kept up-to-date and on-site. Only upon request by the Department do you need to submit the inspection log.

Operation and Maintenance of the Vapor Mitigation System

The vapor mitigation system must be operated and inspected in accordance with the attached **Vapor Mitigation System Maintenance Plan** dated March 23, 2010. A radon-type vapor mitigation system was installed in December 2004 in order to maintain acceptable residential air quality below US EPA residential Indoor Air Screening Values. Due to multiple foundations and varying floor construction methods, it consists of two-systems; one each on the north and south side of the building. Monthly inspections, and any system repairs, must be documented in the inspection log. Proper maintenance of the floors (e.g. cracks, holes, etc) is also a part of the required operation of the vapor mitigation system. Only upon request by the Department do you need to submit the monthly inspection log.

Vapor Migration

In addition, depending on site-specific conditions, construction or changes in construction over contaminated materials may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Prohibited Activities

The following activities are prohibited on any portion of the property where asphalt, a building foundation, soil cover or other barrier, is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; 6) construction or placement of a building or other structure.

Residual Groundwater Contamination

Groundwater impacted by perchloroethylene and its daughter products, stoddard solvent, and petroleum contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this property both by onsite use of dry cleaning solvents and from upgradient, (off-source) petroleum products (see Figure E-2) For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Post-Closure Notification Requirements

In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

- Any activity or construction that results in the removal or modification of the building.
- Development, construction or other changes, including zoning changes, that change the land use
- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil
- Discontinuing operation and maintenance or changes to the soil vapor mitigation system

Please send written notifications in accordance with the above requirements to Green Bay, to the attention of Diane Hanson, at the address listed in the letterhead.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact Annette Weissbach at 920-662-5165 or email at annette.weissbach@Wisconsin.gov.

Sincerely,



Bruce Urban, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachments: Figure E-2 Extent of CVOC and PVOC in Groundwater 2008
Figure C-3 Extent of RCL Exceedance in soil
Cap Maintenance Plan (including Figure H-1)
Vapor Mitigation System Maintenance Plan

e-cc: Bernard Fenelon – GZA, bernard.fenelon@gza.com
Dan Pawlitzke – City of Two Rivers, danpaw@two-rivers.org
Jillian Steffes – CF/8, Madison

CAP MAINTENANCE PLAN

March 23, 2010

Property Address:

Former Cool City Cleaners

1308 Washington Street

Two Rivers, Wisconsin

BRRTS No. 02-36-228354

Parcel Identification Number (PIN) 053-000-079-014.01



Introduction

This document is the Cap Maintenance Plan (“Cap Maintenance Plan”) for maintenance of existing surface conditions at the Former Cool City Cleaners property located at 1308 Washington Street in Two Rivers, Wisconsin (“Site”), in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code (WAC). Environmental investigations at the Site have shown that historical activities have caused certain chemicals to accumulate in the soil at concentrations greater than currently established residual contaminant levels (RCLs). These chemicals include tetrachloroethene (PCE) and various petroleum volatile organic compounds (PVOCs). The extent of RCL exceedances in soil at the Site are displayed on the attached map (Figure H-1).

Purpose

The purpose of the Cap Maintenance Plan is to ensure that the existing grassy and paved surfaces at the Site remain suitably in place to act as barriers prohibiting direct contact with underlying soil that might otherwise pose a threat to human health. These paved surfaces and building foundation also act as a partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in WAC ch. NR 140. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

Two areas of direct contact exceedances for PCE were defined at the Site based on soil sampling performed: 1) outside the building footprint where the residential direct contact RCL for PCE was exceeded in shallow soil collected from GP-4, HA-3 and HA-4; and 2) beneath the building where the PCE direct contact RCL was exceeded in shallow soil samples collected from borings GP-7 and GP-8. In addition, the migration to groundwater RCL for PCE is exceeded in soil over much of the Site.

Annual Inspection

The paved surfaces and building foundation overlying the contaminated groundwater plume and soil and as depicted in Figure H-1 will be inspected once a year, normally in the spring after all snow and ice are gone, for deterioration, cracks and other potential problems that can cause additional infiltration into or exposure to underlying soil. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where soil has become or is

CAP MAINTENANCE PLAN

likely to become exposed will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit B, Inspection and Cap Maintenance Log. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be sent to the Wisconsin Department of Natural Resources (WDNR) at least annually after every inspection, unless otherwise directed in the case closure letter.



Other Restricted Activities

In response to the residual soil impacts exceeding a direct contact RCL in the grassy area of the Site west of the building, the following activities are prohibited:

1. Digging, excavating, or grading of the land surface; or
2. Gardening, plowing, or cultivating the soil for agricultural or other purposes.

Prior written approval must be obtained from WDNR or its successor or assigns for any of the prohibited activities to be carried out.

Cap Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling operations, re-establishment of vegetative cover, or they can include larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (PPE). The owner must also sample any soil that is excavated from the Site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law. In the event the paved surfaces and/or the building overlying the contaminated groundwater plume or soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines, as outlined in this Cap Maintenance Plan, unless indicated otherwise by WDNR or its successor. The property owner, in order to maintain the integrity of the paved surfaces and/or the building, will maintain a copy of this Cap Maintenance Plan on-Site and make it available to all interested parties (i.e., on-Site employees, contractors, future property owners, etc.) for viewing.

Preventative Maintenance

The surfaces at the Site are most likely to maintain their integrity and long life if certain conventional preventative maintenance steps are taken. In areas where grass surfaces are to be maintained, healthy vegetation is best achieved through:

- Occasional irrigation and fertilizing;

CAP MAINTENANCE PLAN

- Over-seeding areas where grass density is thin;
- Preventing regular wear or erosion caused by misdirected storm water and runoff, unwarranted walk-through traffic, or other types of excessive use that will deteriorate the grass density and lead to exposure of underlying soils.

For asphalt surfaces, maintenance steps should include such activities as:

- Asphalt sealing on an annual or bi-annual basis; and
- Caulking of cracks, as needed, to prevent water penetration, frost heave and loosening of the pavement.

A combination of regular inspections, preventative maintenance and a thorough approach toward repairing worn or damaged surfaces will serve to meet the full intention of the Cap Maintenance Plan for the Site.

Amendment or Withdrawal of Cap Maintenance Plan

This Cap Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

Technical Support

Should questions or concerns arise by the owner or the maintenance staff designated to implement the Cap Maintenance Plan, they can contact the following:

Contact Information

Current Site Owner

Mr. John Kappelmann
3941 Golfview Drive
Two Rivers, WI 54241

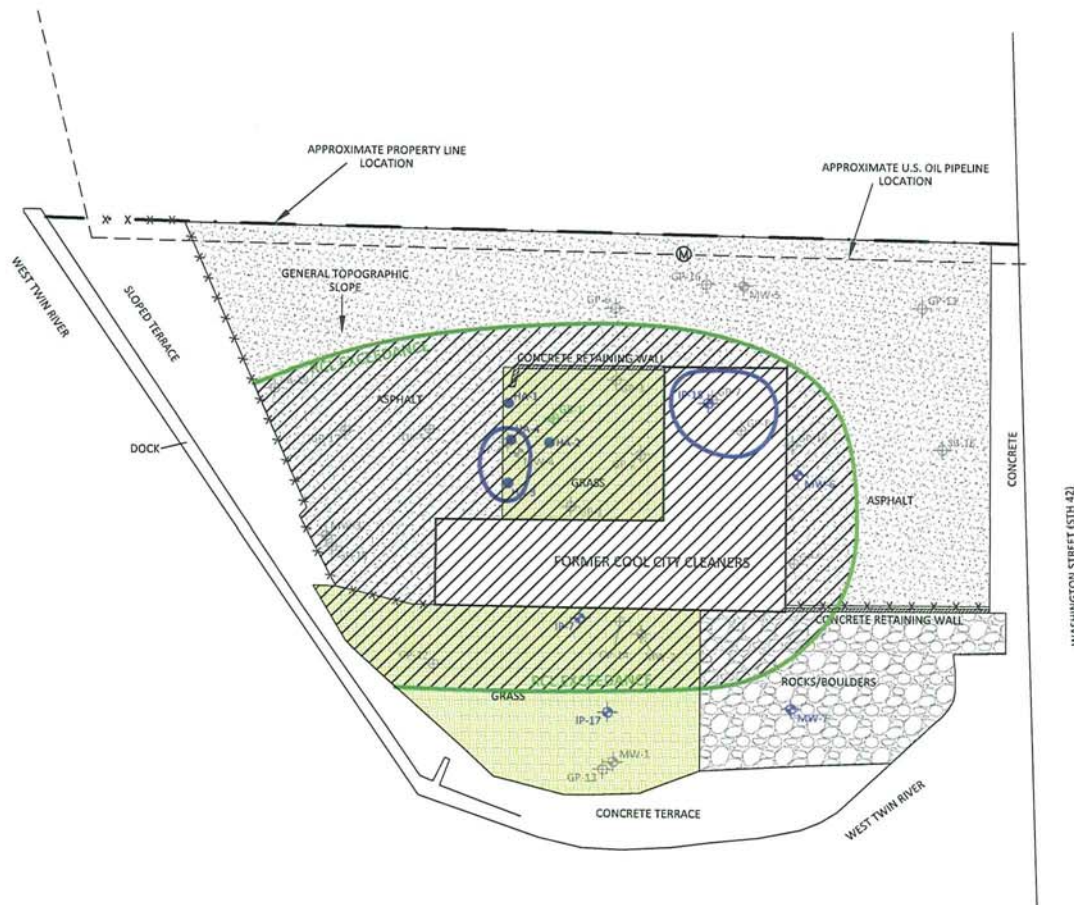
Consultant

GZA GeoEnvironmental, Inc.
20900 Swenson Drive, Suite 150
Waukesha, WI 53186
Mr. Bernard G. Fenelon, P.G.
(262) 754-2560

WDNR

Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313-6727
Ms. Annette Weissbach
(920) 662-5165

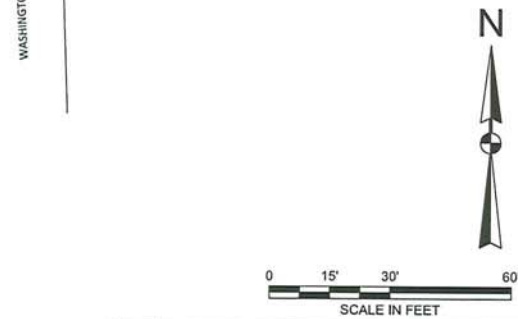




LEGEND

	MANHOLE
	FENCE LINE
	PROPERTY BOUNDARY
	MONITORING WELL BY GZA
	BORING BY GZA
	MONITORING WELL BY ARCADIS
	BORING BY ARCADIS
	BORING BY GHD
	GROUNDWATER PATHWAY RCL EXCEEDANCE EXTENT
	DIRECT CONTACT RCL EXCEEDANCE EXTENT
	AREA INCLUDED IN CAP MAINTENANCE PLAN
	GRASS
	ASPHALT
	ROCKS/BOULDERS

- NOTES**
- 1) The Site Plan was derived from Figure 2 of the "Site Investigation and Remedial Action Options Report" prepared by Arcadis of Milwaukee, Wisconsin in December 2003.
 - 2) RCL = Residual Contaminant Level
 - 3) Detected VOC Concentrations were compared to Site-Specific Direct Contact RCLs (calculated from the USEPA website using WDNr defaults), as presented in Table C-1.
 - 4) Detected VOC Concentrations were also compared to Chapter NR 720 Groundwater Pathway RCLs, if available, as presented in Table C-1.
 - 5) Surficial materials (asphalt pavement, rocks/boulders, or grass) currently present at the Site are shown.
 - 6) The area included in the Cap Maintenance Plan is equivalent to the total area of RCL exceedances in soil, as shown.



NO.	ISSUE/DESCRIPTION	BY	DATE
CAP MAINTENANCE PLAN EXTENT			
FORMER COOL CITY CLEANERS 1308 WASHINGTON STREET TWO RIVERS, WISCONSIN			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists 2090 SWANSON DRIVE, SUITE 150 MILWAUKEE, WISCONSIN 53234 (262) 754-2500		PREPARED FOR:	
PROJ. MGR: BGF DESIGNED BY: BGF DATE: 9/9/09	REVIEWED BY: BGF DRAWN BY: JAH PROJECT NO.: 20.0150991.10	CHECKED BY: SEK SCALE:	FIGURE H-1 SHEET NO.

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VAPOR MITIGATION SYSTEM MAINTENANCE PLAN

March 23, 2010

Property Address:

Former Cool City Cleaners

1308 Washington Street

Two Rivers, Wisconsin

BRRTS No. 02-36-228354

Parcel Identification Number (PIN) 053-000-079-014.01



INTRODUCTION

This document presents the Maintenance Plan (“Maintenance Plan”) for the Vapor Mitigation System at the Former Cool City Cleaners property located at 1308 Washington Street in Two Rivers, Wisconsin (“Site”). This Maintenance Plan provides background information on Site conditions, presents information on the vapor mitigation system layout and operation, and describes an on-going monitoring and maintenance procedures to limit sub-slab vapor intrusion into the building.

BACKGROUND

In December 2004, a radon-type vapor mitigation system was installed in the building due to the detection of elevated levels of dry cleaning vapors beneath the floor slab due to past dry cleaning operations at the Site. Follow-up indoor air samples were collected and analyzed to evaluate indoor air quality during operation of the mitigation system. The analytical results for the indoor air quality samples are summarized on Table F-1. Standards used by the State of Wisconsin, Department of Health and Human Services and listed on the United States Environmental Protection Agency (USEPA) Region 3 Screening Values website (<http://www.epa.gov/reg3hwmd/risk/human/index.htm>) are also provided in Table F-1. The concentrations of the five constituents analyzed for each of the indoor air sampling rounds were consistently less than USEPA Region 3 Residential Indoor Air Screening Values. Therefore, indoor air quality in the Site building is acceptable for residential occupancy and other commercial or industrial uses. The vapor mitigation system requires continued operation to maintain acceptable air quality at concentrations below the inhalation standards.

PURPOSE

The purpose of the Vapor Mitigation Maintenance Plan is to ensure that the existing vapor mitigation system at the Site continues to operate to minimize the potential for vapor intrusion into the building. The Plan also provides a schedule and protocol for carrying out inspections that will facilitate consistency when examining system operation.

VAPOR MITIGATION SYSTEM DETAILS

The attached Figure A-4 presents the layout of the vapor mitigation system currently operated within the Site building. The system consists of a suction point and in-line blower on the south side of the building in the kitchen and two separate suction points manifolded to

VAPOR MITIGATION SYSTEM MAINTENANCE PLAN

a single in-line blower on the north side of the building. The two systems were required due to the presence of multiple foundations and varying floor construction. The vapors removed from beneath the slab are vented outside of the building via piping that extends to the roof line about 18 feet above grade.

The in-line blower currently operating in the system is a "Fantech Model HP/FR." The manufacturer installation instructions for the fan and contact information for the supplier of the blower are attached.



VAPOR MITIGATION SYSTEM INSPECTIONS

To ensure that the vapor mitigation system continues to operate properly, the following actions shall be required:

1. Monthly inspections are required to be performed and documented by the Site owner or designated maintenance staff.
2. The inspector is to observe that the colored fluid inside the manometer (located on interior walls of the Site building) and note whether the fluid is off-set by at least 1 inch. An off-set of the fluid inside the manometer indicates that the blower is operating.
3. The inspection is to include observation of the condition of the piping, seal between the piping and the floor and the floor for cracks within the Site building.
4. Written documentation of the results of each inspection and actions taken to address system issues are to be maintained on the Site.

A monthly log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit B, Monthly Vapor Mitigation System Inspection and Maintenance Log.

Conditions Requiring Maintenance

The following actions should be used as a guideline when an inspection reveals that the vapor mitigation is not operating properly:

1. The likely cause(s) of the condition should be identified and documented.
2. The property owner or maintenance personnel should make the necessary repairs or a radon mitigation service company could be hired to repair the system and/or replace the fan, if necessary.
3. Cracks or other damage to the piping, seals or floor are to be repaired and/or sealed as necessary.

VAPOR MITIGATION SYSTEM MAINTENANCE PLAN

A combination of regular inspections, preventative maintenance and a thorough approach toward repairing damaged surfaces will serve to meet the full intention of the Vapor Mitigation System Maintenance Plan for the Site.

Amendment or Withdrawal of Vapor Mitigation System Maintenance Plan

This Vapor Mitigation System Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of the Wisconsin Department of Natural Resources (WDNR).



Technical Support

Should questions or concerns arise by the owner or the maintenance staff designated to implement the Vapor Mitigation System Maintenance Plan, they can contact the following:

Contact Information:

Current Site Owner

Mr. John Kappelmann
3941 Golfview Drive
Two Rivers, WI 54241

Consultant

GZA GeoEnvironmental, Inc.
20900 Swenson Drive, Suite 150
Waukesha, WI 53186
Mr. Bernard G. Fenelon, P.G.
(262) 754-2560

Vapor Mitigation System Service Company

Radon Reduction Specialist
6007 Hartlaub Lake Road
Manitowoc, WI 54220
Jerry Weyer
Telephone: (800) 323-2140

WDNR

Wisconsin Department of Natural Resources
984 Shawano Avenue
Green Bay, Wisconsin 54313-6727
Ms. Annette Weissbach
920-662-5165



MONTHLY INSPECTION AND MAINTENANCE LOG
Former Cool City Cleaners
1308 Washington Street
Two Rivers, Wisconsin

Month	Date of Inspection	Name of Inspector	Operation of the Vapor Mitigation System		Condition of Floor within the Site Building		Describe Any Actions Taken to Repair Defects or Comments (Attach detailed Documentation)
			Vapor Mitigation System is Operating Properly (Fluid in Manometer is Observed to be Offset by At Least One Inch)		Floor Conditions are Unchanged Since Previous Inspection		
			Yes	No	Yes	No	
January							
February							
March							
April							
May							
June							



MONTHLY INSPECTION AND MAINTENANCE LOG
Former Cool City Cleaners
1308 Washington Street
Two Rivers, Wisconsin

Month	Date of Inspection	Name of Inspector	Operation of the Vapor Mitigation System		Condition of Floor within the Site Building		Describe Any Actions Taken to Repair Defects or Comments (Attach detailed Documentation)
			Vapor Mitigation System is Operating Properly (Fluid in Manometer is Observed to be Offset by At Least One Inch)		Floor Conditions are Unchanged Since Previous Inspection		
			Yes	No	Yes	No	
July							
August							
September							
October							
November							
December							



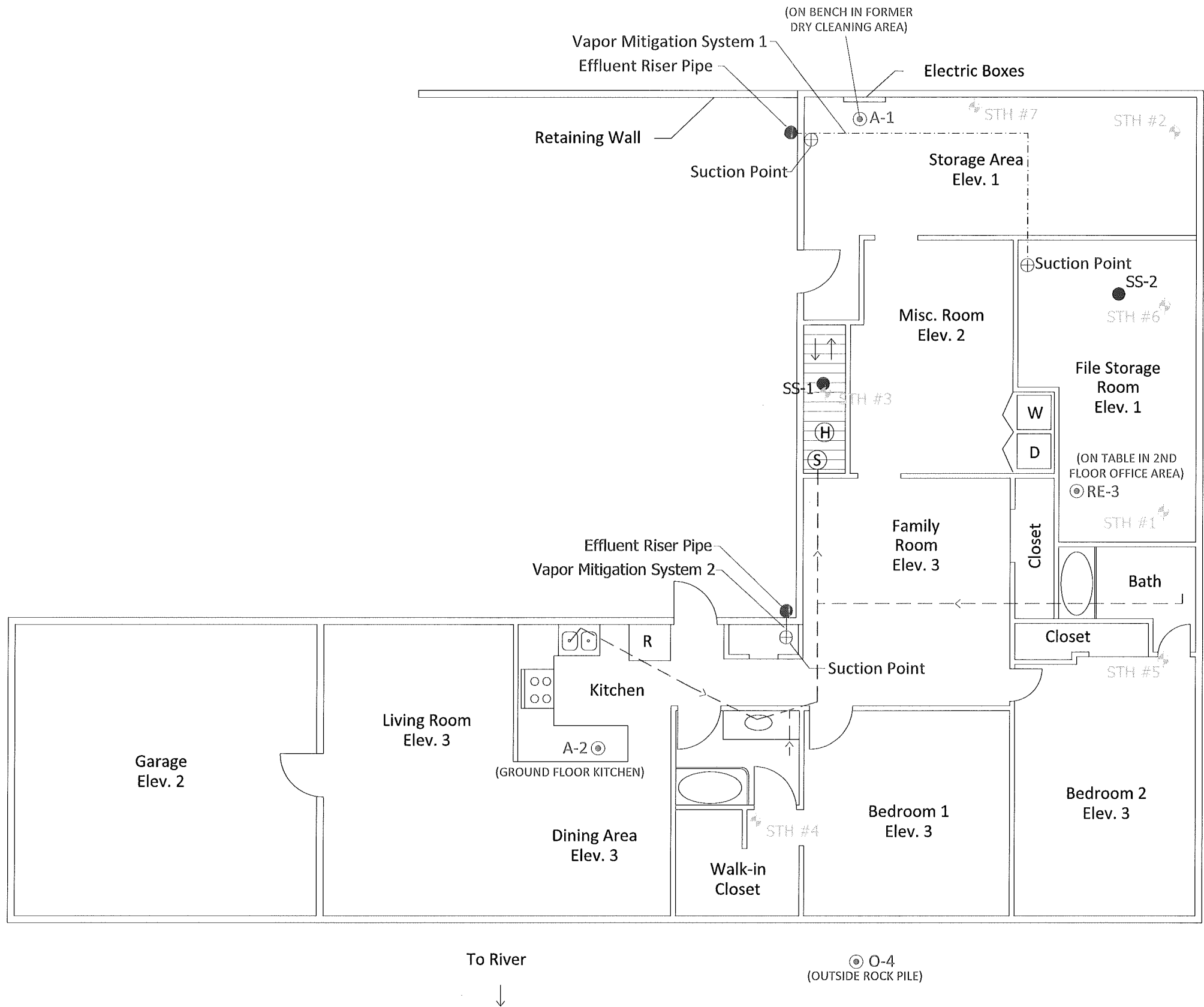
**TABLE F-1
INDOOR AIR ANALYTICAL RESULTS SUMMARY
Former Cool City Cleaners
Two Rivers, Wisconsin**

PARAMETERS	USEPA Region 3 Screening Values ⁽³⁾ (µg/m ³)		A-1 (Former Drycleaning Area)					A-2 (Ground Floor Kitchen)				RE-3 (2nd Floor Office)			O-4 (Outside Background)			
	Res.	Comm.	Mar-05	Jan-07	May-07	Sep-07	Oct-08	Mar-05	Jan-07	May-07	Oct-08	Mar-05	Jan-07	Oct-08	Mar-05	Jan-07	May-07	Sep-07
Method TO-15																		
Benzene	3.1	16	1.7	0.63	1.1	0.45	0.46	1.3	0.63	1.4	0.42	1.4	0.63	0.30	1.2	0.62	0.81	0.45
Trichloroethene	12	61	<0.19	<0.17	1.6	1.2	0.29	<0.18	<0.15	1.3	<0.17	<0.18	<0.18	8.4	<0.15	<0.17	<0.25	<0.15
Tetrachloroethene	4.1	21	3.5	0.97	1.7	1.5	0.36	1.8	0.77	1.4	0.44	2.3	0.74	0.70	<0.2	<0.21	<0.32	<0.2

Notes:

- Twenty-four-hour time-integrated air samples were collected by GZA GeoEnvironmental, Inc. on March 2 to 3, 2005; January 8 to 9, 2007; April 30 to May 1, 2007; September 15 to 16, 2007; and October 1 to 2, 2008 using 5-liter evacuated SUMMA canisters and air samples were analyzed by Air Toxics Ltd. in Folsom, California utilizing United States Environmental Protection Agency (USEPA) Method TO-15 for benzene, tetrachloroethene, trichloroethene, cis-1,2-dichloroethene and vinyl chloride. Only detected constituents are listed.
- Results are provided in micrograms per cubic meter (µg/m³).
- United States Environmental Protection Agency (USEPA) Region 3 Screening Values are 10⁻⁵ excess cancer risk indoor air quality values that can be obtained from the following website: <http://www.epa.gov/reg3hwmd/risk/human/index.htm>. The screening values are used by the Wisconsin Department of Health and Human Services to evaluate acceptable indoor air quality. Concentrations below the screening values are considered acceptable for occupancy of the building.
- Sample A-1 was collected from the unfinished portion of the ground floor on the north side of the building in the area of former drycleaning activities, A-2 was collected from the finished portion of the ground floor in the kitchen, RE-3 was collected from the second floor office and O-4 was collected from outside the building near the southwest corner of the building to evaluate background conditions.
- A background was not collected during the September 2008 sampling round because the Summa[®] Canister was compromised during setup.

© 2009 - GZA GeoEnvironmental, Inc. GZA-J:\90010999\150999\10_ERD\Remedial_Action_Report_6-09\DRAWINGS\AutoCAD\BUILDING_INTERIOR.dwg [FIG 6] August 28, 2009 - 10:01am justin.hegarty

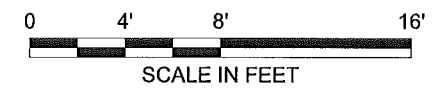
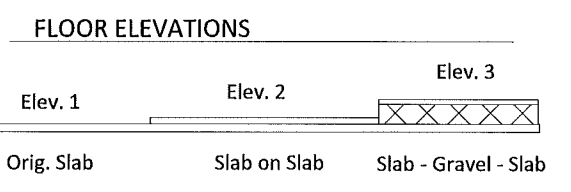


To Washington Street →

← To River

To River
↓

- LEGEND**
- ESTIMATED SUBFLOOR PLUMBING LOCATION
 - - - ESTIMATED VAPOR MITIGATION PIPING LOCATION
 - STH # SMOKE TESTING LOCATION
 - SS-1 ● SUB-SLAB VAPOR SAMPLING LOCATION
 - A-2 ⊙ INDOOR AIR QUALITY SAMPLE LOCATION



NOTES

- 1) Information on the floor slab construction provided by the owner.
- 2) Sub-slab vapor samples SS-1 and SS-2 were collected by GZA in September 2004.
- 3) Sub-slab vapor mitigation system was installed in December 2004.
- 4) Smoke testing was performed on the sub-slab vapor mitigation system in June 2006.
- 5) Indoor Air Quality samples were collected from locations A-1, A-2, RE-3, and O-4 in March 2005, January 2007, May 2007, September 2007, and October 2008.

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

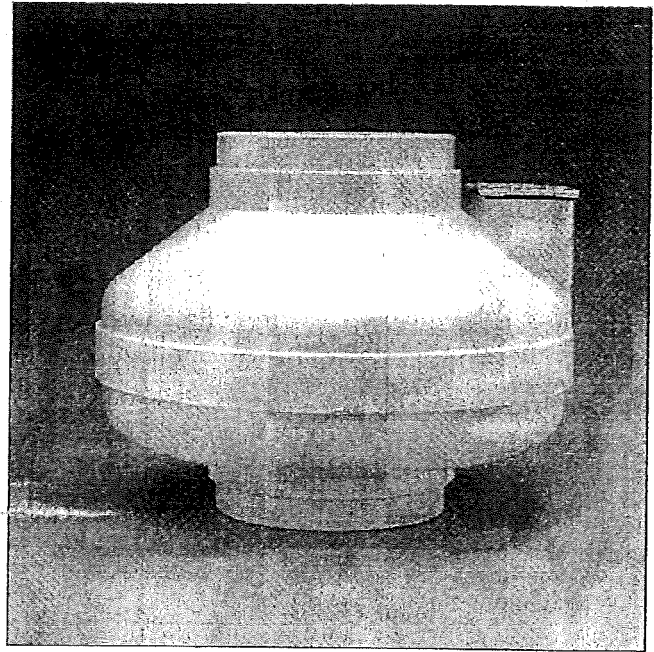
NO.	ISSUE/DESCRIPTION	BY	DATE
BUILDING FLOOR PLAN WITH AIR SAMPLE AND SMOKE TESTING LOCATIONS			
FORMER COOL CITY CLEANERS 1308 WASHINGTON STREET TWO RIVERS, WISCONSIN			
PREPARED BY: GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i> 20900 SWENSON DRIVE, SUITE 150 WALUKESHA, WISCONSIN 53186 (262) 754-2560		PREPARED FOR:	
PROJ MGR: BGF	DESIGNED BY: BGF	REVIEWED BY: BGF	CHECKED BY: SEK
DATE: 5/27/09	DRAWN BY: JAH	SCALE:	FIGURE: A-4
PROJECT NO.: 20.0150991.10		REVISION NO.:	
SHEET NO.			



Fantech

Installation Instructions for Radon Fans Model HP/FR

READ & SAVE THESE INSTRUCTIONS!



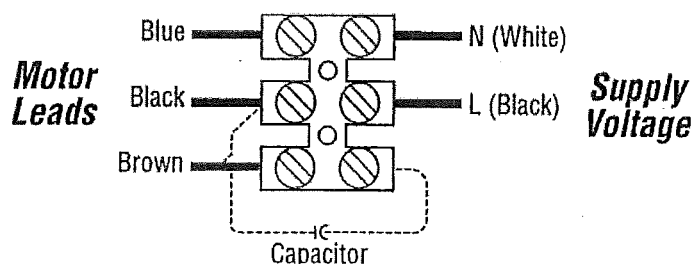
Warnings

DO NOT CONNECT POWER SUPPLY UNTIL FAN IS COMPLETELY INSTALLED, MAKE SURE ELECTRICAL SERVICE TO THE FAN IS LOCKED IN "OFF" POSITION.

1. Suitable for use with solid-state speed control.
2. This unit has rotating parts and safety precautions should be exercised during installation, operation and maintenance.
3. CAUTION: "For General Ventilation Use Only. Do Not Use To Exhaust Hazardous Or Explosives Materials and Vapors."
4. **WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS-OBSERVE THE FOLLOWING:**
 - a. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the factory.
 - b. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
 - c. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
 - d. The combustion airflow needed for safe operation of fuel burning equipment may be affected by this unit's operation. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) and the local code authorities.
 - e. When cutting or drilling into wall or ceiling, do not damage electrical wires or other hidden utilities.
 - f. Ducted fans must always be vented to the outdoors.
 - g. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application.
 - h. NEVER place a switch where it can be reached from a tub or shower.
5. **WARNING!** Check voltage at the fan to see if it corresponds to the motor nameplate.

GUARDS MUST BE INSTALLED WHEN FAN IS WITHIN REACH OF PERSONNEL OR WITHIN SEVEN (7) FEET OF WORKING LEVEL OR WHEN DEEMED ADVISABLE FOR SAFETY.

Wiring Diagram



Five (5) Year Warranty

This warranty supersedes all prior warranties

DURING ENTIRE WARRANTY PERIOD:

FANTECH will repair or replace any part which has a factory defect in workmanship or material. Product may need to be returned to the fantech factory, together with a copy of the bill of sale and identified with RMA number.

FOR FACTORY RETURN YOU MUST:

- Have a Return Materials Authorization (RMA) number. This may be obtained by calling FANTECH either in the USA at 1.800.747.1762 or in CANADA at 1.800.565.3548. Please have bill of sale available.
- The RMA number must be clearly written on the outside of the carton, or the carton will be refused.
- All parts and/or product will be repaired/replaced and shipped back to buyer; no credit will be issued.

OR

The Distributor may place an order for the warranty part and/or product and is invoiced. The Distributor will receive a credit equal to the invoice only after product is returned prepaid and verified to be defective.

FANTECH WARRANTY TERMS DO NOT PROVIDE FOR REPLACEMENT WITHOUT CHARGE PRIOR TO INSPECTION FOR A DEFECT. REPLACEMENTS ISSUED IN ADVANCE OF DEFECT INSPECTION ARE INVOICED, AND CREDIT IS PENDING INSPECTION OF RETURNED MATERIAL. DEFECTIVE MATERIAL RETURNED BY END USERS SHOULD NOT BE REPLACED BY THE DISTRIBUTOR WITHOUT CHARGE TO THE END USER, AS CREDIT TO DISTRIBUTOR'S ACCOUNT WILL BE PENDING INSPECTION AND VERIFICATION OF ACTUAL DEFECT BY FANTECH.

THE FOLLOWING WARRANTIES DO NOT APPLY:

- Damages from shipping, either concealed or visible. Claim must be filed with freight company.
- Damages resulting from improper wiring or installation.
- Damages or failure caused by acts of God, or resulting from improper consumer procedures, such as:
 1. Improper maintenance
 2. Misuse, abuse, abnormal use, or accident, and
 3. Incorrect electrical voltage or current.
- Removal or any alteration made on the FANTECH label control number or date of manufacture.
- Any other warranty, expressed, implied or written, and to any consequential or incidental damages, loss or property, revenues, or profit, or costs of removal, installation or reinstallation, for any breach of warranty.

WARRANTY VALIDATION

- The user must keep a copy of the bill of sale to verify purchase date.
- These warranties give you specific legal rights, and are subject to an applicable consumer protection legislation. You may have additional rights which vary from state to state.

United States

1712 Northgate Blvd.,
Sarasota, FL. 34234
Phone: 800.747.1762; 941.309.6000
Fax: 800.487.9915; 941.309.6099
www.fantech.net; info@fantech.net

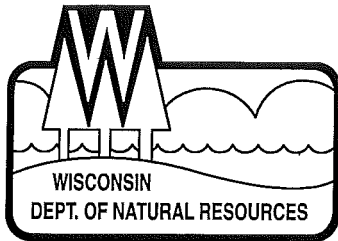
Canada

50 Kanafflakt Way,
Bouctouche, NB E4S 3M5
Phone: 800.565.3548; 506.743.9500
Fax: 877.747.8116; 506.743.9600
www.fantech.ca; info@fantech.ca

Fantech, reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position.

Article #: 301077
Item #: 401443
Rev Date: 090905

file



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Ronald W. Kazmierczak, Regional Director

Northeast Region Headquarters
2984 Shawano Avenue
Green Bay, Wisconsin 54313-6727
Telephone 920-662-5100
FAX 920-662-5413
TTY Access via relay - 711

March 23, 2010

Mr. John Kappelmann
Estate of Walter F. Kappelmann
512 Foxtail
Naples, FL 34112

SUBJECT: Conditional Closure Decision
Updating closure request and abandonment of monitoring wells
Former Cool City Cleaners, 1308 Washington Street, Two Rivers, Wisconsin
WDNR BRRTS # 02-36-228354

Dear Mr. Kappelmann:

On November 17, 2009, the Northeast Region Closure Committee (the "Committee") reviewed your request for closure of the case described above. The Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the Committee has determined that the perchloroethylene and stoddard solvent contamination on the site from the historic dry cleaner operations appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied. Your site will be listed on the Department's GIS Registry due to impacts to groundwater and soil. Maintenance of a "cap" and operation and maintenance of a vapor mitigation system are required and considered continuing obligations for the site.

Background and relationship to adjacent contaminated BRRTS site

After the Closure Committee meeting, I spoke with your consultant, Bernie Fenlon of GZA and explained that there is a nearby BRRTS case in the City of Two Rivers 1400 Block of Washington Street right-of-way that has a contaminated groundwater plume that extends onto your property and that the city may need to continue monitoring the groundwater on your property. This off-site petroleum contamination is noted by the presence of benzene, naphthalene and MTBE in many of your monitoring wells. MTBE is not a component of dry cleaning solvents. A notification of the off-source contamination was provided to you in a letter written by Nicole LaPlant of Robert E. Lee & Associates on behalf of the City of Two Rivers and was dated January 29, 2010. On February 24th, the Department received the Closure Request for the 1400 Block BRRTS case, and on March 18th, the Closure Committee discussed the site. As a result of their closure decision, there is no need to continue monitoring your wells and you may abandon all of them at your earlier convenience.

Monitoring well abandonment

All monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to me on Form 3300-005 found at <http://dnr.wi.gov/org/water/dwg/gw/> or provided by the Department of Natural Resources.

Additional closure and GIS Registry documentation

The off-site plume map prepared by Robert E. Lee & Associates is attached for your Consultant's use in updating the extent of ES and PAL exceedances maps. You may chose to create a new Figure (E-3) and use this map to show the extent of the off-site petroleum plume that has encroached onto your property. Figure E-2 could then be used to show only any ES and PAL exceedances located on-site due to dry cleaning solvent compounds. In addition, the PAL and ES exceedance extent line should be verified to include all injection points with chlorinated solvent ES exceedances as measured the last time the wells were sampled. There are a couple of typos on the vapor mitigation maintenance plan: The mitigation system was installed in 2005 not 2004, and my telephone number is 662-5165.

Purge water, waste and soil pile removal

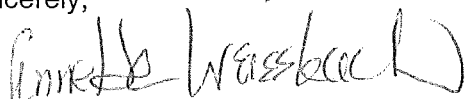
If there are any remaining purge waters, waste and/or soil piles generated as part of site investigation or remediation activities, they must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send me any appropriate documentation verifying proper disposal.

When the above conditions have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, updated GIS registry documents) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 920-662-5165 or email at annette.weissbach@Wisconsin.gov.

Sincerely,

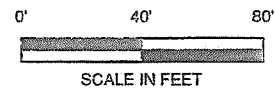
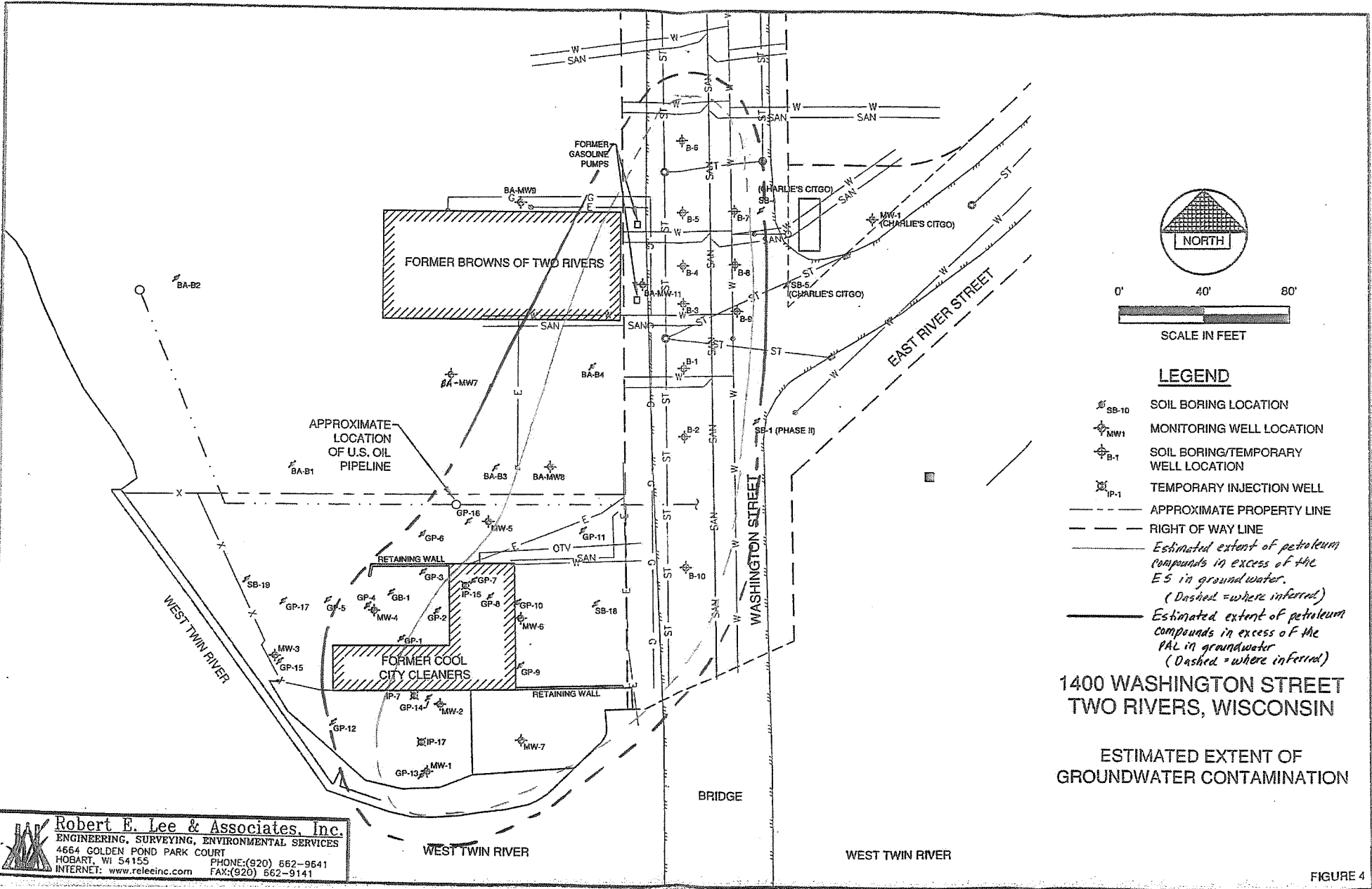


Annette Weissbach
Hydrogeologist
Remediation & Redevelopment Program

Attach: Figure 4: 1400 Washington Street, Two Rivers, Estimated extent of Groundwater contamination, prepared by Robert E. Lee & Associates, January 28, 2010

e-cc: Bernard Fenelon – GZA, bernard.fenelon@gza.com
Jillian Steffes – CF/8, Madison

File: R:\2800\2957\2957013.dwg\1400_SITE_OVERALL_A.dwg
 Plot Date: Jun 28, 2010 1:44:44pm



LEGEND

- SB-10 SOIL BORING LOCATION
- MW-1 MONITORING WELL LOCATION
- B-1 SOIL BORING/TEMPORARY WELL LOCATION
- IP-1 TEMPORARY INJECTION WELL
- APPROXIMATE PROPERTY LINE
- RIGHT OF WAY LINE
- Estimated extent of petroleum compounds in excess of the PAL in groundwater. (Dashed = where inferred)
- Estimated extent of petroleum compounds in excess of the PAL in groundwater. (Dashed = where inferred)

**1400 WASHINGTON STREET
 TWO RIVERS, WISCONSIN**

**ESTIMATED EXTENT OF
 GROUNDWATER CONTAMINATION**

Robert E. Lee & Associates, Inc.
 ENGINEERING, SURVEYING, ENVIRONMENTAL SERVICES
 4664 GOLDEN POND PARK COURT
 HOBART, WI 54155
 INTERNET: www.releesinc.com PHONE: (920) 662-9641 FAX: (920) 662-9141

FIGURE 4



DOC # 1004882

State Bar of Wisconsin Form 5-2003
PERSONAL REPRESENTATIVE'S DEED

Document Number

Document Name

STATE OF WI - MTWC CO
PRESTON JONES REG/DEEDS
RECEIVED FOR RECORD
02/28/2006 1:05:10 PM

THIS DEED, made between Gail M. Partenheimer and John D. Kappelmann
as Personal Representatives of the estate of Walter F. Kappelmann, deceased
("Decedent"),
("Grantor," whether one or more), and 1308 Washington Street Realty LLC,
a Wisconsin LLC created under Agreement on January 1, 2006, by and between
Gail M. Partenheimer and John D. Kappelmann, its initial members,

(Grantee," whether one or more).
Grantor conveys to Grantee, without warranty, the following described real estate,
together with the rents, profits, fixtures and other appurtenant interests, in
Manitowoc County, State of Wisconsin ("Property") (if more space is
needed, please attach addendum):

Commercial real estate located at 1308 Washington Street, in the City of Two Rivers,
(Manitowoc County), Wisconsin, having the following legal description:

Outlot Parcel Part in Lots 1, 2, and 3, Block seventy-nine (79) and Parts of Vacated 14th
Street and Vacated West River Street in the City of Two Rivers, as recorded in Volume
336, Page 735 of the Register of Deeds of Manitowoc County, Wisconsin.

**This conveyance is exempt from real estate transfer fee under Wis. Stat. § 77.25(11).

Recording Area

Name and Return Address

Rachel Monaco-Wilcox
Stephen M. Fisher & Associates LLP
11414 W. Park Place, Suite 107
Milwaukee, WI 53224-3500

(Env) HCLK

053-000-079-014.01

Parcel Identification Number (PIN)

This is not homestead property.

Personal Representative by this Deed does convey to Grantee all of the estate and interest in the Property which Decedent had
immediately prior to Decedent's death, and all of the estate and interest in the Property which the Personal Representative has since
acquired.

Dated February 27, 2006.

PERSONAL REPRESENTATIVE:

Gail M. Partenheimer

* Gail M. Partenheimer

John D. Kappelmann

John D. Kappelmann

AUTHENTICATION

Signature(s) of Gail M. Partneheimer and
John D. Kappelmann
authenticated on February 27, 2006.

Stephen M. Fisher

* Stephen M. Fisher
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by Wis. Stat. § 706.06)

ACKNOWLEDGMENT

STATE OF WISCONSIN)
) ss.
_____ COUNTY)

Personally came before me on _____,
the above-named _____
to me known to be the person(s) who executed the foregoing
instrument and acknowledged the same.

* _____
Notary Public, State of Wisconsin
My Commission (is permanent) (expires: _____)

THIS INSTRUMENT DRAFTED BY:
Rachel Monaco-Wilcox of Stephen M. Fisher &
Associates, Milwaukee, Wisconsin

(Signatures may be authenticated or acknowledged. Both are not necessary.)

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

PERSONAL REPRESENTATIVE'S DEED

© 2003 STATE BAR OF WISCONSIN

FORM NO. 5-2003

* Type name below signatures.

September 14, 2009
File No. 20.0150991.20

Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313-6727

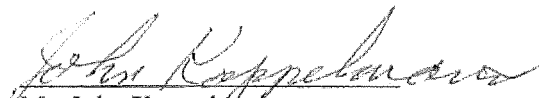
Attention: Ms. Annette Weissbach
Hydrogeologist

Subject: Property Legal Description
Former Cool City Cleaners
1308 Washington Street
Two Rivers, Wisconsin
BRRTS No. 02-36-228354

Dear Ms. Weissbach:

To the best of my knowledge, the legal description provided on the attached deed for the Former Cool City Cleaners property located at 1308 Washington Street in Two Rivers, Wisconsin makes up the entire property within the impacted Site boundary and is being provided to you as part of the soil and groundwater GIS Registry Packet.

Very truly yours,


Mr. John Kappelmann
Owner



SOURCE: U.S.G.S. TWO RIVERS, WISCONSIN QUADRANGLE MAP (1978)

PREPARED BY: **GZA GeoEnvironmental, Inc.**
Engineers and Scientists
 20900 SWENSON DRIVE, SUITE 150
 WAUKESHA, WISCONSIN 53185
 (262) 754-2560

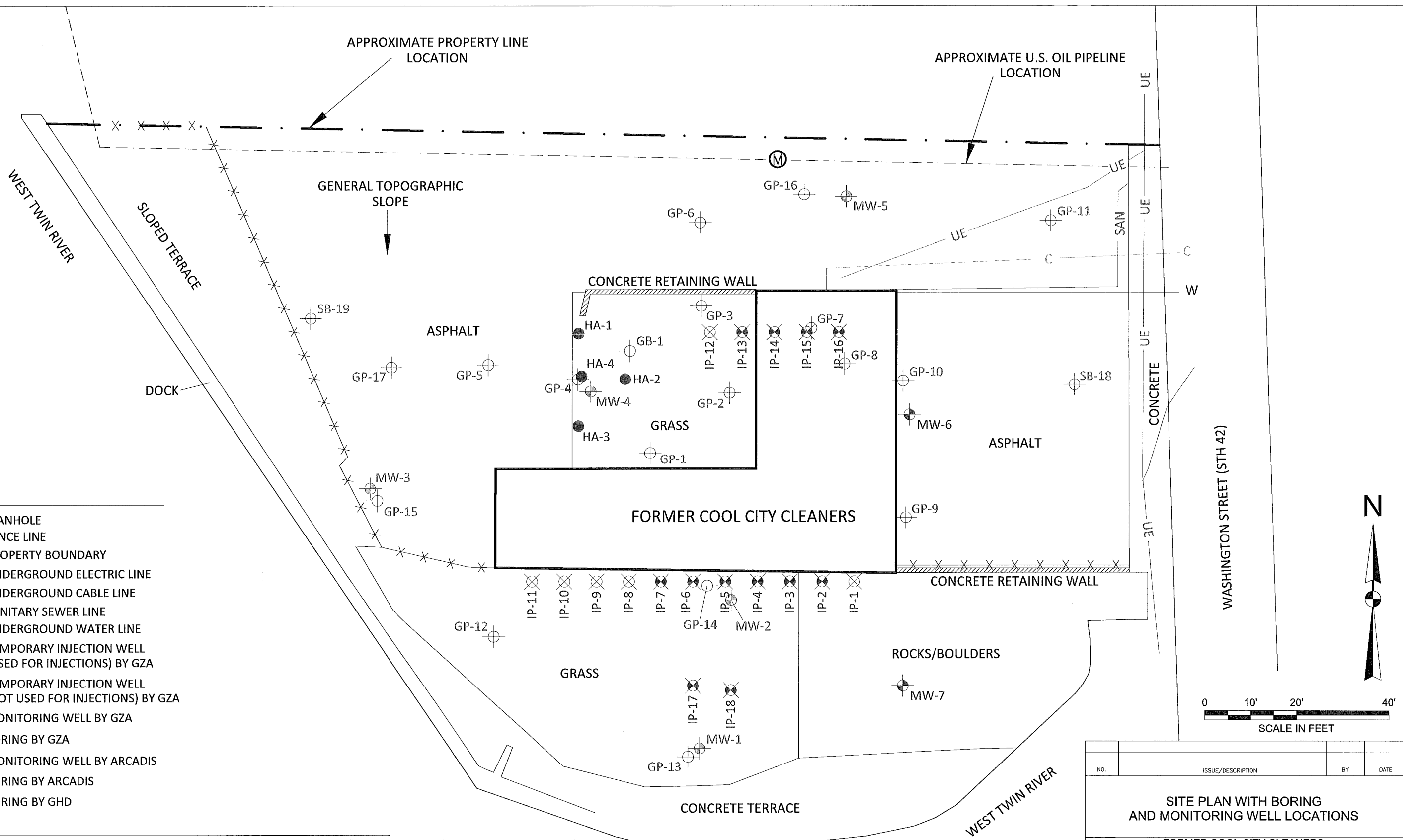
PREPARED FOR:

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PROJ MGR: BGF	REVIEWED BY: BGF	CHECKED BY: SEK	DATE: 1/21/08	PROJECT NO.: 20.0150991.10	REVISION NO.:
DESIGNED BY: BGF	DRAWN BY: JAH	SCALE:			

NO.	ISSUE/DESCRIPTION	BY	DATE
SITE LOCATION MAP			
FORMER COOL CITY CLEANERS TWO RIVERS, WISCONSIN			
			FIGURE A-1
			SHEET NO.

© 2009 — GZA GeoEnvironmental, Inc. GZA-J:\900T0999\150991 Kappelmann\20 Closure Request\Report and GIS Registry_CD\DRAWINGS\AutoCAD\BASE MAP.dwg [FIG 2] October 05, 2009 — 3:30pm justin.hegarty



LEGEND

- Ⓜ MANHOLE
- * * * FENCE LINE
- · - · - PROPERTY BOUNDARY
- UE - UNDERGROUND ELECTRIC LINE
- C - UNDERGROUND CABLE LINE
- SAN - SANITARY SEWER LINE
- W - UNDERGROUND WATER LINE
- IP-7 ⊗ TEMPORARY INJECTION WELL (USED FOR INJECTIONS) BY GZA
- IP-8 ⊗ TEMPORARY INJECTION WELL (NOT USED FOR INJECTIONS) BY GZA
- MW-7 ⊕ MONITORING WELL BY GZA
- HA-3 ● BORING BY GZA
- MW-1 ⊕ MONITORING WELL BY ARCADIS
- GP-12 ⊕ BORING BY ARCADIS
- GB-1 ⊕ BORING BY GHD

NOTES

- 1) The Site Plan was derived from Figure 2 of the "Site Investigation and Remedial Action Options Report" prepared by Arcadis of Milwaukee, Wisconsin in December 2003.
- 2) Boring GB-1 was advanced during a Phase II Investigation performed by GHD in May 1999.
- 3) Borings GP-1 through GP-8 were advanced by Arcadis in December 2001.
- 4) Borings GP-9 through GP-17 were advanced by Arcadis in July 2002.
- 5) Borings SB-18 and SB-19 were advanced by Arcadis in September 2002.
- 6) Monitoring wells MW-1 through MW-5 were installed by Arcadis in September 2002.
- 7) Monitoring wells MW-6 and MW-7 were installed by GZA GeoEnvironmental, Inc. (GZA) in September 2004.
- 8) Borings HA-1 through HA-4 were advanced by GZA in August 2006.
- 9) Temporary monitoring wells IP-1 through IP-18 were installed by GZA in July and August 2007.
- 10) Injection of the emulsified edible oil substrate (EOS) into the subsurface was performed between August 6 through 8, 2007. The EOS was injected through select temporary monitoring wells, as shown.
- 11) Upon completion of the EOS injection, all of the GZA temporary monitoring wells were abandoned with the exception of IP-7, IP-15, IP-17, which remain at the Site as permanent monitoring wells.

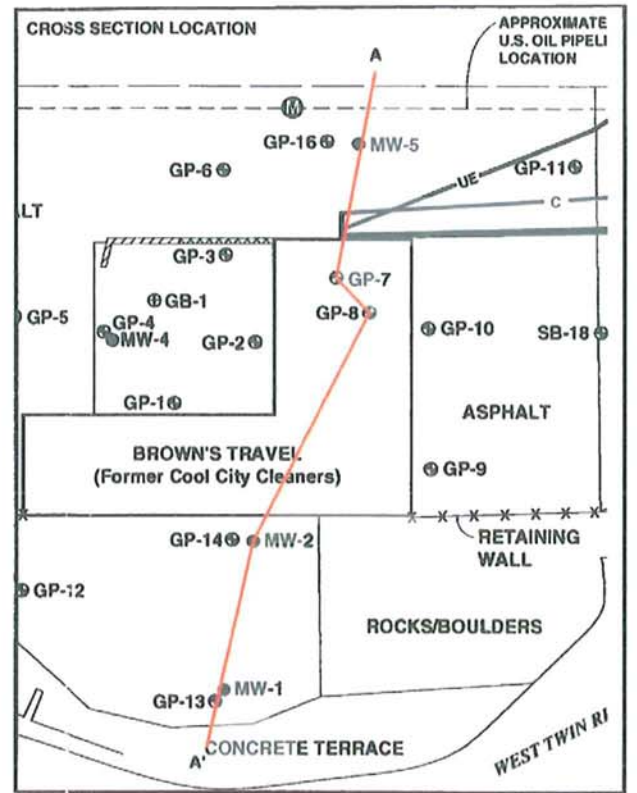
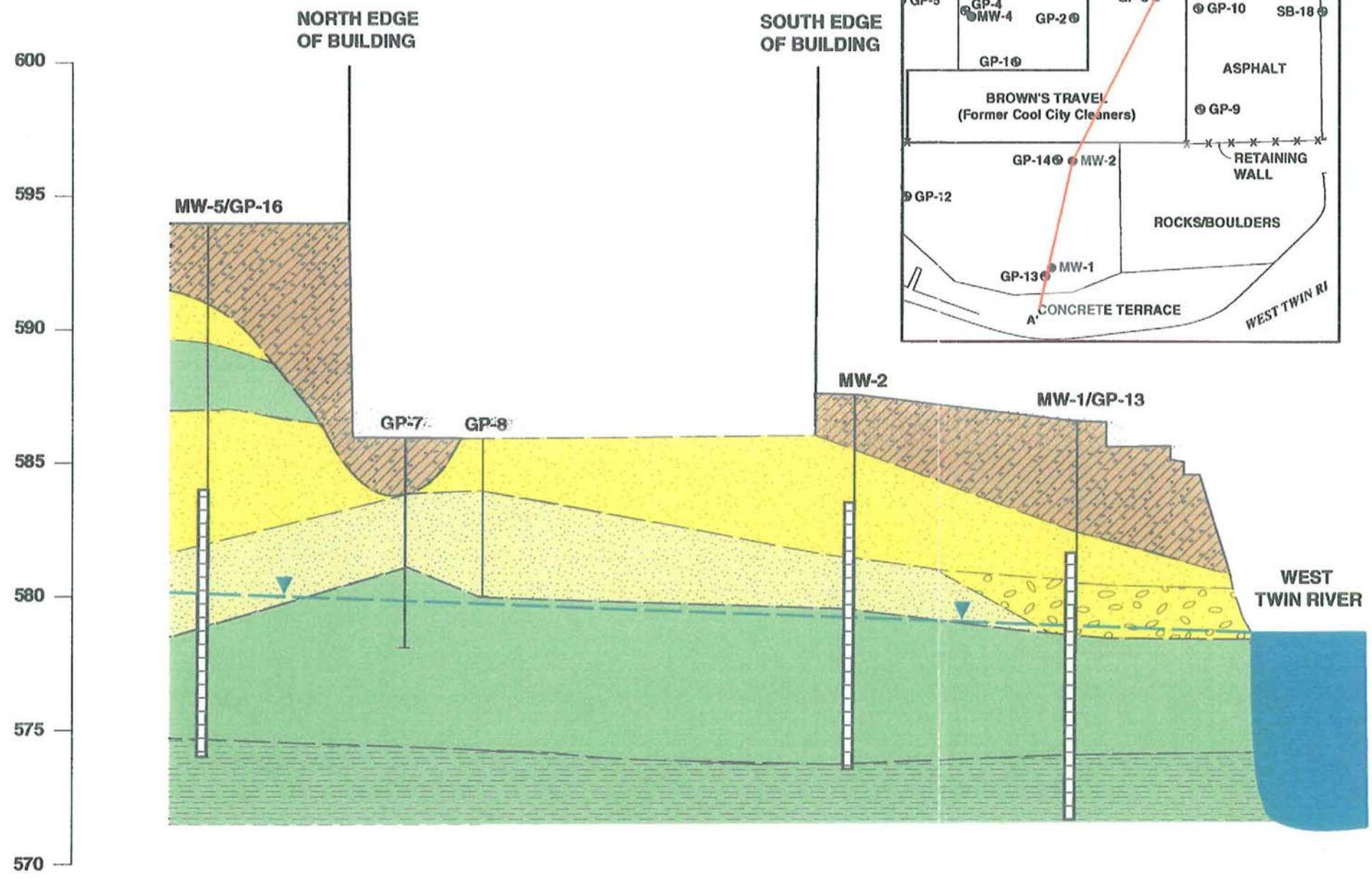
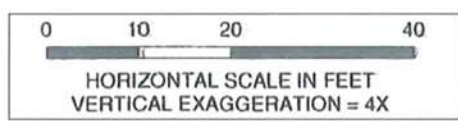
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NO.	ISSUE/DESCRIPTION	BY	DATE
SITE PLAN WITH BORING AND MONITORING WELL LOCATIONS			
FORMER COOL CITY CLEANERS 1308 WASHINGTON STREET TWO RIVERS, WISCONSIN			
PREPARED BY:		PREPARED FOR:	
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i> 20900 SWENSON DRIVE, SUITE 150 WAUKESHA, WISCONSIN 53186 (262) 754-2560			
PROJ MGR:	BGF	REVIEWED BY:	BGF
DESIGNED BY:	BGF	DRAWN BY:	JAH
DATE:	9/9/09	PROJECT NO.:	20.0150991.10
		CHECKED BY:	SEK
		SCALE:	
		REVISION NO.:	
			FIGURE A-2 SHEET NO.

© 2009 - GZA GeoEnvironmental, Inc. GZA-J:\900T0999\150991 Kappelmann\20 Closure Request\DRAWINGS\AutoCAD\CROSS SECTIONS.dwg [A] September 08, 2009 - 11:19am justin.hegarty

NORTH
A'

SOUTH
A'



- EXPLANATION**
- FILL - Sand, silt, clay, gravel. Debris (asphalt, concrete, and brick fragments) may be present. Also contains some organic material (grass clippings, rootlets, decomposed wood).
 - SAND - Very fine to fine, may contain some to abundant medium, well sorted and rounded, trace to some silt, trace clay.
 - SILTY SAND - Very fine to fine, may contain some medium, very well sorted and rounded, some to abundant silt, may contain some clay.
 - SILT/SAND - Borderline of very silty sand/very sandy silt, sand is very fine, some fine, some to abundant clay.
 - CLAY - Trace silt or sand content, moderately plastic, moderately stiff to firm.
 - SAND - Very fine to coarse, may contain appreciable amounts of very fine, some silt, clay, and decomposed wood, very poorly sorted.
 - GEOPROBE BORING OR MONITORING WELL LOCATION
 - GEOLOGIC CONTACT (Inferred)
 - MONITORING WELL OR SOIL BORING ID
 - WATER TABLE AND RIVER ELEVATIONS BASED ON OCTOBER 3, 2002 MEASUREMENT
- NOTE:** Soil descriptions are based on soil classifications made at boring/monitoring well locations and are inferred between sampling locations. Contacts between native soil units are primarily gradational.

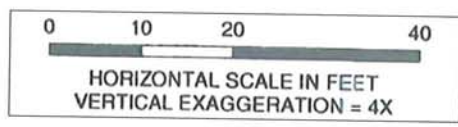
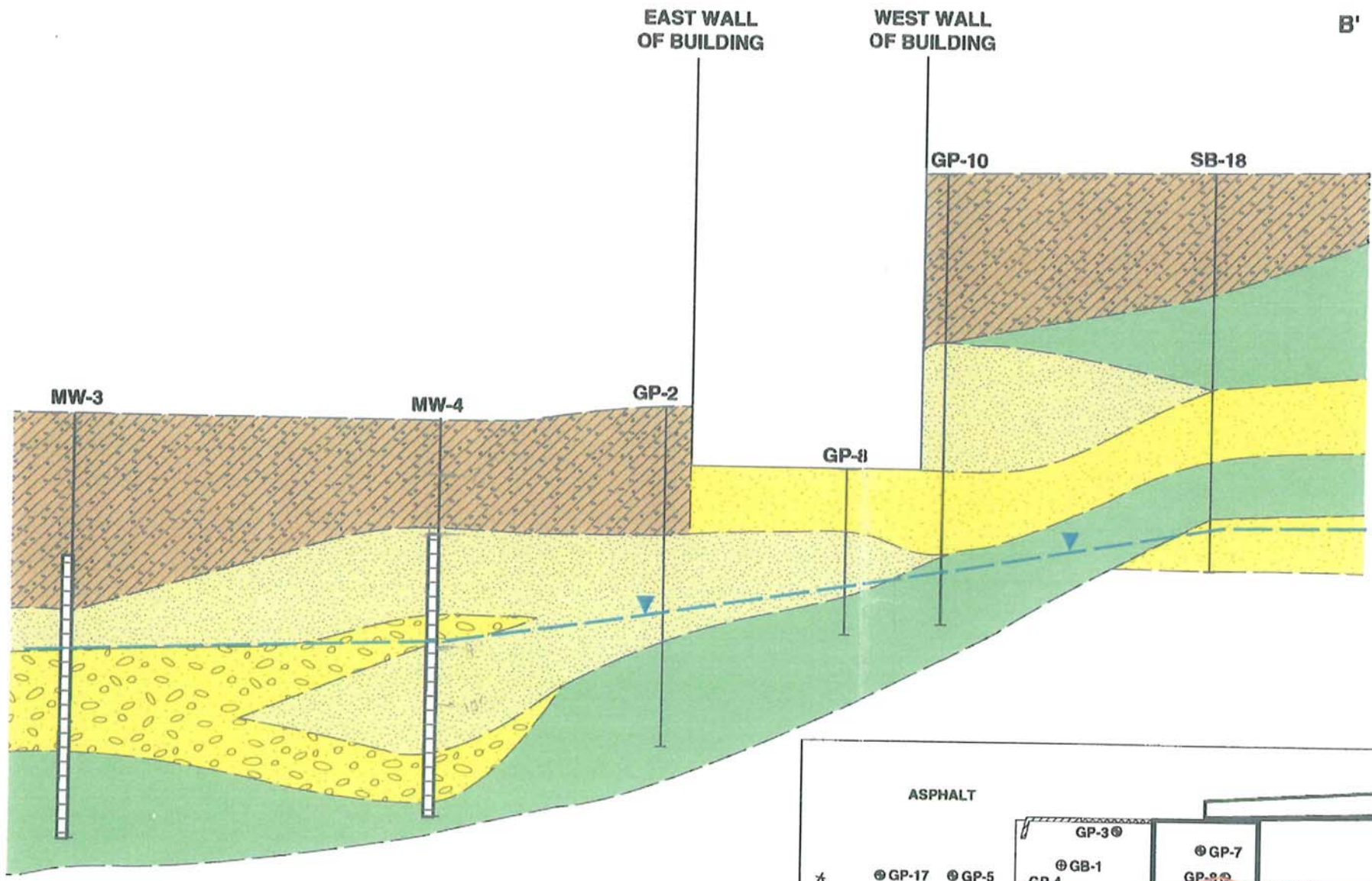
NO.	ISSUE/DESCRIPTION	BY	DATE
GEOLOGIC CROSS-SECTION A-A'			
FORMER COOL CITY CLEANERS 1308 WASHINGTON STREET TWO RIVERS, WISCONSIN			
PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists 20900 SWENSON DRIVE, SUITE 150 WALKESHA, WISCONSIN 53186 (262) 754-2560		PREPARED FOR:
PROJ MGR:	BGF	REVIEWED BY:	BGF
DESIGNED BY:	BGF	DRAWN BY:	JAH
DATE:	9/2/09	PROJECT NO.:	20.0150991.20
		CHECKED BY:	SEK
		SCALE:	
		REVISION NO.:	
			FIGURE C-1 SHEET NO.

NOTE
1. THIS GEOLOGIC CROSS-SECTION WAS OBTAINED DIRECTLY FROM THE "SITE INVESTIGATION AND REMEDIAL ACTION OPTIONS REPORT" PREPARED BY ARCADIS IN DECEMBER 2003.

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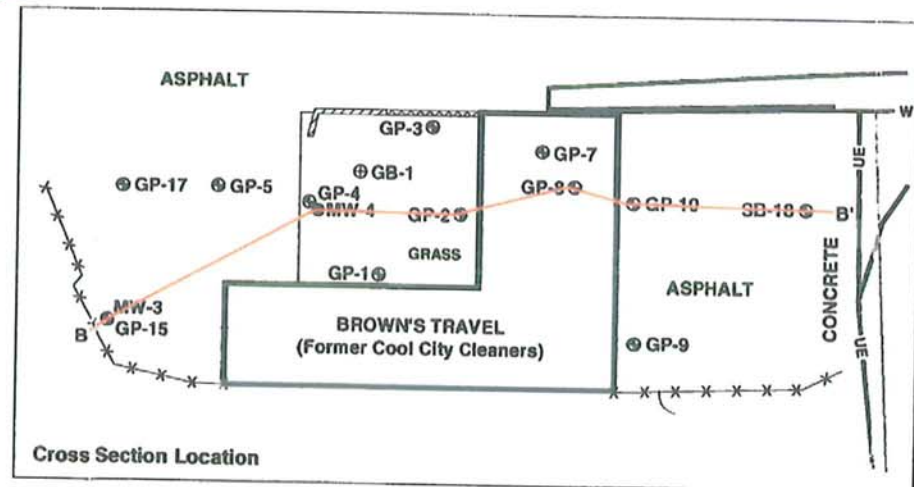
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WEST
B
600
595
590
585
580
575
570



- EXPLANATION**
- FILL - Sand, silt, clay, gravel. Debris (asphalt, concrete, and brick fragments) may be present. Also contains some organic material (grass clippings, rootlets, decomposed wood).
 - SAND - Very fine to fine, may contain some to abundant medium, well sorted and rounded, trace to some silt, trace clay.
 - SILTY SAND - Very fine to fine, may contain some medium, very well sorted and rounded, some to abundant silt, may contain some clay.
 - SILT/SAND - Borderline of very silty sand/very sandy silt, sand is very fine, some fine, some to abundant clay.
 - CLAY - Trace silt or sand content, moderately plastic, moderately stiff to firm.
 - SAND - Very fine to coarse, may contain appreciable amounts of very fine, some silt, clay, and decomposed wood, very poorly sorted.
 - GEOPROBE BORING OR MONITORING WELL LOCATION
 - GEOLOGIC CONTACT (Inferred)
 - MONITORING WELL OR SOIL BORING ID
 - WATER TABLE AND RIVER ELEVATIONS BASED ON OCTOBER 3, 2002 MEASUREMENT

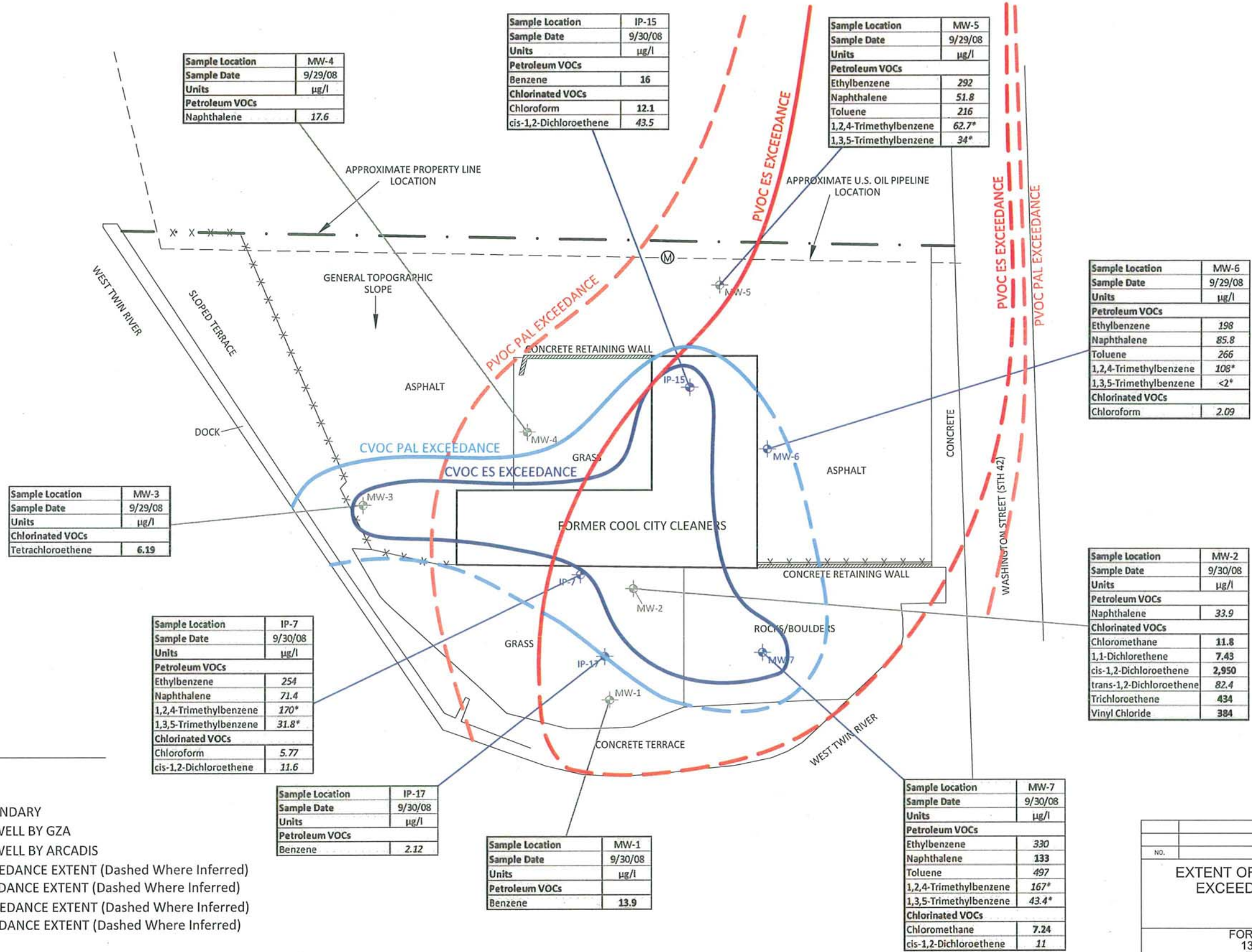
NOTE: Soil descriptions are based on soil classifications made at boring/monitoring well locations and are inferred between sampling locations. Contacts between native soil units are primarily gradational.



NOTE
1. THIS GEOLOGIC CROSS-SECTION WAS DIRECTLY OBTAINED FROM THE "SITE INVESTIGATION AND REMEDIAL ACTION OPTIONS REPORT" PREPARED BY ARCADIS IN DECEMBER 2003.

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NO.	ISSUE/DESCRIPTION	BY	DATE
GEOLOGIC CROSS-SECTION B-B'			
FORMER COOL CITY CLEANERS 1308 WASHINGTON STREET TWO RIVERS, WISCONSIN			
PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists 20900 SWENSON DRIVE, SUITE 150 WALKESSHA, WISCONSIN 53186 (262) 754-2560		PREPARED FOR:
PROJ MGR:	BGF	REVIEWED BY:	BGF
DESIGNED BY:	BGF	DRAWN BY:	JAH
DATE:	9/2/09	PROJECT NO.:	20.0150991.20
		CHECKED BY:	SEK
		SCALE:	
		REVISION NO.:	
			FIGURE C-2
			SHEET NO.



- LEGEND**
- Ⓜ MANHOLE
 - * * * FENCE LINE
 - · - PROPERTY BOUNDARY
 - MW-7 MONITORING WELL BY GZA
 - MW-1 MONITORING WELL BY ARCADIS
 - PVOC PAL EXCEEDANCE EXTENT (Dashed Where Inferred)
 - PVOC ES EXCEEDANCE EXTENT (Dashed Where Inferred)
 - CVOC PAL EXCEEDANCE EXTENT (Dashed Where Inferred)
 - CVOC ES EXCEEDANCE EXTENT (Dashed Where Inferred)

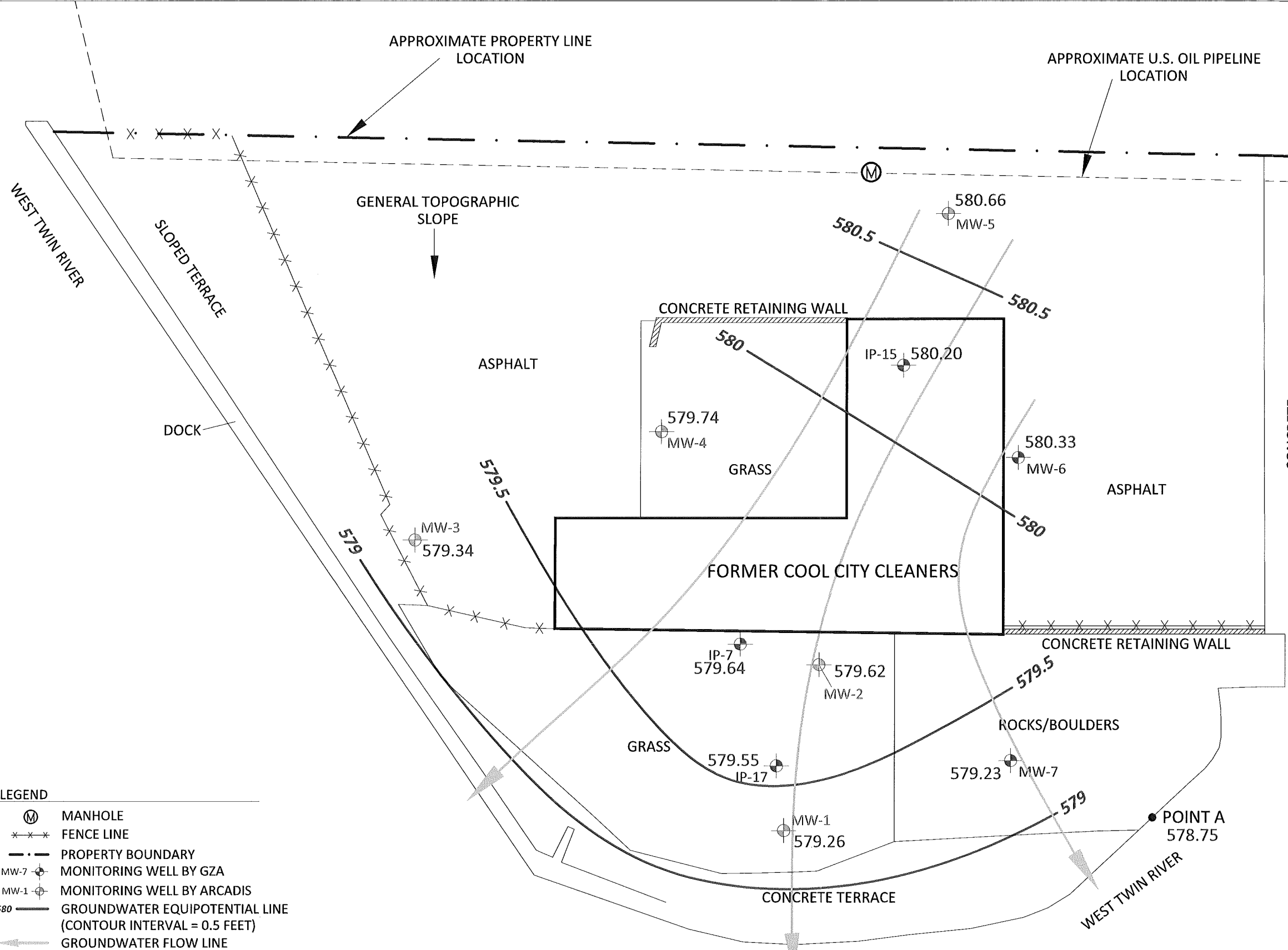
- NOTES**
- The Site Plan was derived from Figure 2 of the "Site Investigation and Remedial Action Options Report" prepared by Arcadis of Milwaukee, Wisconsin in December 2003.
 - Displayed analytical data are for groundwater samples collected from permanent Site monitoring wells during the most recent sampling event in September 2008. Only results for compounds that exceed Chapter NR 140 Enforcement Standards (ESs) and Preventative Action Limits (PALs) are provided.
 - Compounds detected in exceedance of their respective ES are displayed in **BOLD** font.
 - Compounds detected in exceedance of their respective PAL are displayed in *italics* font.
 - Concentrations are provided in micrograms per liter (µg/l), as shown.
 - * = Isomers of this compound must be added together for comparison to NR 140 criteria.
 - PVOC ES and PAL extents taken from Figure 4 - Estimated Extent of Groundwater Contamination 1400 Washington Stree, Two Rivers, Wisconsin prepared by Robert E. Lee & Associates, Inc.

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<p>EXTENT OF CVOC and PVOC ES AND PAL EXCEEDANCES IN GROUNDWATER SEPTEMBER 2008</p> <p>FORMER COOL CITY CLEANERS 1308 WASHINGTON STREET TWO RIVERS, WISCONSIN</p>			
PREPARED BY:	GZA GeoEnvironmental, Inc. Engineers and Scientists 20900 SWENSON DRIVE, SUITE 100 WAUKESHA, WISCONSIN 53186 (262) 754-2590	PREPARED FOR:	
PROJ MGR:	BGF	REVIEWED BY:	BGF
DESIGNED BY:	BGF	DRAWN BY:	JAH
DATE:	3/19/10	PROJECT NO.:	20.0150991.10
		CHECKED BY:	SEK
		SCALE:	
		REVISION NO.:	
		FIGURE	E-2
		SHEET NO.:	



© 2009 - GZA GeoEnvironmental, Inc. GZA-J:\90010999\150991 Kappelmann\20 Closure Request\Report and GIS Registry CD\DRAWINGS\Autocad\GW FLOW.dwg [FIG 3] October 05, 2009 - 3:35pm justin.hegarty



LEGEND

- MANHOLE
- FENCE LINE
- PROPERTY BOUNDARY
- MONITORING WELL BY GZA
- MONITORING WELL BY ARCADIS
- GROUNDWATER EQUIPOTENTIAL LINE (CONTOUR INTERVAL = 0.5 FEET)
- GROUNDWATER FLOW LINE

- NOTES**
- 1) The Site Plan was derived from Figure 2 of the "Site Investigation and Remedial Action Options Report" prepared by Arcadis of Milwaukee, Wisconsin in December 2003.
 - 2) Monitoring wells MW-1 through MW-5 were installed by Arcadis in September 2002.
 - 3) Monitoring wells MW-6 and MW-7 were installed by GZA GeoEnvironmental, Inc. (GZA) in September 2004.
 - 4) Temporary monitoring wells IP-1 through IP-18 were installed by GZA in July and August 2007.
 - 5) Injection of the emulsified edible oil substrate (EOS) into the subsurface was performed between August 6 through 8, 2007. The EOS was injected through select temporary monitoring wells, as shown.
 - 6) Upon completion of the EOS injection, all of the GZA temporary monitoring wells were abandoned with the exception of IP-7, IP-15, IP-17, which remain at the Site as permanent monitoring wells.
 - 7) Point A is the control point for measuring the West Twin River elevation.

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APPROXIMATE PROPERTY LINE LOCATION

APPROXIMATE U.S. OIL PIPELINE LOCATION

GENERAL TOPOGRAPHIC SLOPE

WEST TWIN RIVER

SLOPED TERRACE

DOCK

ASPHALT

CONCRETE RETAINING WALL

GRASS

FORMER COOL CITY CLEANERS

CONCRETE

WASHINGTON STREET (STH 42)

SCALE IN FEET

0 10' 20' 40'

N

NO.	ISSUE/DESCRIPTION	BY	DATE
GROUNDWATER FLOW MAP JUNE 26, 2008			
FORMER COOL CITY CLEANERS 1308 WASHINGTON STREET TWO RIVERS, WISCONSIN			
PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. Engineers and Scientists 20900 SWENSON DRIVE, SUITE 150 WALKESHA, WISCONSIN 53186 (262) 754-2560			
PROJ MGR:	BGF	REVIEWED BY:	BGF
DESIGNED BY:	BGF	DRAWN BY:	JAH
DATE:	5/27/09	PROJECT NO.:	20.0150991.10
		CHECKED BY:	SEK
		SCALE:	
		REVISION NO.:	
			FIGURE E-1 SHEET NO.



**TABLE C-1
SUMMARY OF SOIL ANALYTICAL RESULTS
Former Cool City Cleaners
Two Rivers, Wisconsin**

Well/Boring ID	Site-Specific	NR 720	GB-1*	GP-1*	GP-2	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	GP-9	GP-10	GP-11	GP-11
Depth	Direct Contact	Groundwater	8-10'	6-8'	0-2'	4-6'	2-4'	0-2'	10-12'	2-4'	2-4'	12-14'	10-12'	10-12'	12-14'
Date	RCL	Pathway RCL	5/26/99	12/11/01	12/11/01	12/11/01	12/11/01	12/11/01	12/11/01	12/11/01	12/11/01	7/1/02	7/1/02	7/1/02	7/1/02
Non-Chlorinated VOCs															
1,2,4-Trimethylbenzene	50,000 (c)	7,570 (e)	580,000	51,000	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	540
1,3,5-Trimethylbenzene	29,000 (c)	3,520 (e)	150,000	25,000	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	220
Benzene	160 (c)	5.5	<500	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Ethylbenzene	NE	2,900	<500	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	40
Isopropylbenzene	NE	NE	27,000	8,200	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
n-Butylbenzene	NE	NE	<500	49,000	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	130
n-Propylbenzene	NE	NE	98,000	52,000	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	42
Naphthalene	20,000 (d)	400 (d)	3,000 Q	1,700	<25	<25	40	<25	<25	<25	<25	<25	<25	<25	140
p-Isopropyltoluene	NE	NE	57,000	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	93
sec-Butylbenzene	NE	NE	79,000	56,000	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	30
tert-Butylbenzene	NE	NE	7,900	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Toluene	NE	1,500	<500	<250	<25	<25	<25	<25	<25	<25	<25	<25	59	<25	46
m&p-Xylenes	NE	4,100 (a)	NA	<500	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	310
o-Xylenes			NA	7,300	<25	<25	47	30	<25	<25	<25	<25	<25	<25	90
Xylenes, Total	NE	4,100	7,900	NA	<75	<75	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorinated VOCs															
cis-1,2-Dichloroethene	156,000 (b)	27	<500	<250	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethene	1,230 (b)	4.1	<500	<250	110	230	3,400	240	<25	3,900	3,200	95	860	<25	<25
Trichloroethene	14 (c)	3.7	<500	<250	<25	<25	<25	<25	<25	33	<25	<25	<25	<25	<25
Gasoline Range Organics (mg/kg)		100	NA	3,000	<10	<10	<10	<10	<10	NA	NA	NA	NA	NA	NA



**TABLE C-1
SUMMARY OF SOIL ANALYTICAL RESULTS
Former Cool City Cleaners
Two Rivers, Wisconsin**

Well/Boring ID	Site-Specific Direct Contact RCL	NR 720 Groundwater Pathway RCL	GP-12	GP-13	GP-14	GP-15	GP-16	GP-17	SB-18	SB-19	MEOH	HA-1	HA-2	HA-3	HA-4
			2-4' 7/1/02	4-6' 7/1/02	2-4' 7/1/02	2-4' 7/1/02	10-12' 7/1/02	2-4' 7/1/02	10-12' 7/1/02	2-4' 9/26/02	10-12' 9/26/02	2-4' 9/26/02	Blank 9/26/02	1-3' 8/28/06	1-3' 8/28/06
Non-Chlorinated VOCs															
1,2,4-Trimethylbenzene	50,000 (c)	7,570 (e)	220	<25	<25	<25	81	<25	<25	<25	<25	<28	<27	<27	<28
1,3,5-Trimethylbenzene	29,000 (c)	3,520 (e)	48	<25	<25	<25	44	<25	<25	<25	<25	<28	<27	<27	<28
Benzene	160 (c)	5.5	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
Ethylbenzene	NE	2,900	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
Isopropylbenzene	NE	NE	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
n-Butylbenzene	NE	NE	52	<25	<25	<25	62	<25	<25	<25	<25	<28	<27	<27	<28
n-Propylbenzene	NE	NE	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
Naphthalene	20,000 (d)	400 (d)	<25	<25	<25	<25	63	48	<25	71	<25	<55	<53	<55	<55
p-Isopropyltoluene	NE	NE	29	<25	<25	<25	38	<25	<25	<25	<25	<28	<27	<27	<28
sec-Butylbenzene	NE	NE	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
tert-Butylbenzene	NE	NE	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
Toluene	NE	1,500	<25	<25	39	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
m&p-Xylenes	NE	4,100 (a)	<50	<50	<50	<50	<50	<50	<25	<25	<25	NA	NA	NA	NA
o-Xylenes	NE	4,100 (a)	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	NA	NA
Xylenes, Total	NE	4,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	<94	<90	<93	<94
Chlorinated VOCs															
cis-1,2-Dichloroethene	156,000 (b)	27	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
Tetrachloroethene	1,230 (b)	4.1	<u>49</u>	<25	<u>40</u>	<u>190</u>	<25	<u>320</u>	<25	<u>190</u>	<25	<u>610</u>	<u>540</u>	<u>1,700</u>	<u>8,000</u>
Trichloroethene	14 (c)	3.7	<25	<25	<25	<25	<25	<25	<25	<25	<25	<28	<27	<27	<28
Gasoline Range Organics (mg/kg)		100	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

- Soil sample GB-1 was collected by GHD Inc. in May 1999. Soil samples GP-1 through GP-17 were collected by Arcadis and analyzed by U.S. Analytical Lab of Kimberly, Wisconsin. Soil samples SB-18 and SB-19 were collected by Arcadis and analyzed by En Chem, Inc. of Green Bay, Wisconsin. Soil samples HA-1 through HA-4 were collected by GZA GeoEnvironmental, Inc. and analyzed by TestAmerica Inc. of Watertown, Wisconsin.
- Results reported in micrograms per kilogram (µg/kg) unless otherwise noted.
- For the Site-specific direct-contact residual contaminant level (RCL), the most stringent of the ingestion, vapor inhalation and fugitive dust inhalation pathways is provided.
- (a) Isomers of this compound must be added together for comparison to NR 720 criteria.
- (b) Ingestion pathway calculated from the United States Environmental Protection Agency (USEPA) website: <http://risk.lsd.ornl.gov/epa/ssl1.shtml> with WDNR default inputs.
- (c) Inhalation pathway calculated from the USEPA website: <http://risk.lsd.ornl.gov/epa/ssl1.shtml> with WDNR default inputs.
- (d) RCL obtained from the Wisconsin Department of Natural Resources' (WDNR) 1997 polycyclic aromatic hydrocarbon (PAH) Guidance.
- (e) Migration to groundwater pathway calculated from the USEPA website: <http://risk.lsd.ornl.gov/epa/ssl1.shtml> with WDNR
- * = Sample was collected near or from saturated soil and concentration may be biased by groundwater constituents.
- mg/kg = milligrams per kilogram.
- NA = parameter not analyzed.
- NE = not established.
- Q = concentration is between the limit of detection and the limit of quantitation.
- VOC = volatile organic compound.
- Migration to groundwater pathway RCL exceedances are underlined. Direct-contact RCL exceedances are **bold**.



**TABLE E-2
MONITORING WELL GROUNDWATER ANALYTICAL RESULTS SUMMARY
Former Cool City Cleaners
Two Rivers, Wisconsin**

PARAMETERS	UNITS	NR 140 ES	NR 140 PAL	MW-2																			
				10/3/02	4/9/03	4/03 Dup.	8/5/03	8/03 Dup.	9/16/04	11/30/04	3/21/05	6/27/05	9/29/05	12/30/05	4/25/06	7/31/06	7/9/07	9/13/07	12/27/07	4/2/08	6/27/08	9/30/08	
PVOCs																							
Benzene	µg/l	5	0.5	78	45	47	43	37	57	43	22	99	29	6.2	16	28	<20	<2	4.67	<2	8.58	<2	
Butylbenzene	µg/l	NE	NE	<1.6	<0.5	<0.25	<0.25	<0.25	<0.2	<0.2	<0.2	<8	<0.2	<0.4	<0.2	<16	<20	<2	<2	<4	<4	<4	
sec-Butylbenzene	µg/l	NE	NE	<1.6	<0.5	<0.25	0.28	<0.25	<0.25	<0.25	<0.25	<10	<0.25	<0.5	<0.25	<20	<20	<2	<2	<3	<3	<3	
tert-Butylbenzene	µg/l	NE	NE	<2.4	<0.5	<0.25	<0.25	<0.25	<0.2	<0.2	<0.2	<8	<0.2	<0.4	<0.2	<16	<20	<2	<2	<3	<3	<3	
Ethylbenzene	µg/l	700	140	30	7.6	9.9	26	22	37	13	9.5	290	70	6.6	53	290	258	21	25.3	22	103	81.2	
Isopropylbenzene	µg/l	NE	NE	<1.7	0.72	0.92	1.6	1.4	3.5	0.94	0.7	20	4.2	<0.4	2.5	17	14.3	<1	<1	<1	7.49	6.44	
4-Isopropyltoluene	µg/l	NE	NE	<1.4	<0.5	<0.25	<0.25	<0.25	<0.2	<0.2	<0.2	<8	<0.2	<0.4	<0.2	<16	<20	<2	<2	<2	<2	<2	
Methyl tert-butyl ether	µg/l	60	12	<2.2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	2.8	5.4	7.2	<40	<20	17.1	8.71	10	<5	<5	
Naphthalene	µg/l	100	10	4.3	0.88	0.93	2.4	2	16	8.6	1.8	76	16	<0.5	7.8	77	<100	<10	<10	<10	43.6	33.9	
Propylbenzene	µg/l	NE	NE	<2.4	<1	<0.5	0.57	<0.5	2.1	<0.5	<0.5	<20	2.8	<1	1.7	<40	<10	<1	<1	<1	6.3	<1	
Styrene	µg/l	100	10	<1.6	<0.5	<0.25	0.47	0.39	<0.2	<0.2	<0.2	<8	<0.2	<0.4	<0.2	<16	<10	<1	<1	<1	<1	<1	
Toluene	µg/l	1,000	200	110	28	31	38	34	51	28	14	730	110	5.6	110	830	87	12.7	31.6	19.1	140	83.9	
1,2,4-Trimethylbenzene	µg/l	480*	96*	8	0.9	1.4	2.6	2.1	9.4	9.5	2	110	17	0.48	12	86	88.7	4.63	2.95	3.05	48.7	32.5	
1,3,5-Trimethylbenzene	µg/l			4.7	<0.5	0.4	0.27	0.35	1.3	2.1	<0.2	19	4.1	<0.4	2.5	<16	43.5	<2	<2	<2	8.21	6.26	
Xylenes, Total	µg/l	10,000	1,000	121	5.7	7.7	18	16	48	22	9.9	500	66	2.6	78	460	212	17.7	27.07	22.2	133.6	95.1	
Total PVOCs				356	89	99	133	115	225	127	60	1,844	322	27	291	1,788	704	73	100	76	499	339	
Halogenated VOCs																							
Bromomethane	µg/l	4.4	0.44	<2.2	<0.5	<0.25	<0.25	<0.25	<0.2	<0.2	<0.2	<8	<0.2	<0.4	<0.2	<16	<100	13.3	<10	<10	<10	<10	
Chloroethane	µg/l	400	80	<2.1	<2	<1	<1	<1	<1	<1	<1	<40	<1	<2	<1	<80	<60	<6	<6	<6	<6	<6	
Chloroform	µg/l	6	0.6	<1.1	<0.5	<0.25	<0.25	<0.25	<0.2	<0.2	<0.2	<8	<0.2	<0.4	<0.2	<16	<20	<2	<2	<2	<2	<2	
Chloromethane	µg/l	3	0.3	<0.68	12	26	<0.25	<0.25	<0.2	<0.2	<0.2	<8	<0.2	0.58	<0.2	26	<30	5.36	<3	<4	<4	11.8	
Dibromochloromethane	µg/l	60	6	<2.1	<0.5	<0.25	<0.25	<0.25	<0.2	<0.2	<0.25	<8	<0.2	<0.4	<0.20	<16	<20	<2	<2	<2	<2	<2	
1,1-Dichloroethene	µg/l	7	0.7	<1.4	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	1.4	<1	1.6	<40	<40	<2	<4	<4	5.61	7.43	
cis-1,2-Dichloroethene	µg/l	70	7	120	3.9	6.8	31	27	150	51	24	3,400	1,500	120	4,700	8,900	3,240	243	121	137	5,050	2,950	
trans-1,2-Dichloroethene	µg/l	100	20	49	1.8	3.4	19	17	32	37	18	140	39	3.6	84	280	298	17.8	4.57	6.72	80.7	82.4	
1,1-Dichloropropylene	µg/l	NE	NE	<2	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<1	<0.5	<40	66.6	<3	<3	<5	<5	<5	
Methylene Chloride	µg/l	5	0.5	<1.2	<2	<1	<1	<1	<1	<1	<1	<40	<1	<2	16	<80	<40	<4	<4	<4	<4	<4	
1,1,1-Trichloroethane	µg/l	200	40	<1.6	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<40	<20	<2	<2	<2	<2	<2	
1,1,2-Trichloroethane	µg/l	5	0.5	<1.2	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<10	<0.25	<0.5	<0.25	<20	<20	<2	<2	<3	<3	<3	
Tetrachloroethene	µg/l	5	0.5	160	3.5	7.7	68	67	230	55	8.9	230	12	<1	16	150	93.3	<3	<3	<3	38.7	<3	
Trichloroethene	µg/l	5	0.5	310	9.5	16	100	98	130	79	25	590	84	2.5	990	4,200	4,630	11.5	<2	<4	954	434	
1,2,3-Trichloropropane	µg/l	60	12	<2.3	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<1	<0.5	<40	<60	<6	<6	<6	<6	<6	
Vinyl Chloride	µg/l	0.2	0.02	<0.28	<1	<0.5	1	0.89	<0.2	0.44	<0.2	<8	4	2.9	16	25	68	24.5	25.1	16.8	281	384	
RD Parameters																							
Diss Iron	mg/l			-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.96	2.31	2.15	0.335	4.63	3.16
Diss Manganese	mg/l			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0901	0.152	0.126	0.0956	0.379	0.125
Diss Oxygen	mg/l			0.48	0.4	-	0.15	-	-	-	-	-	-	-	-	-	-	1.47	1.79	0.86	0.0	0.0	0.0
Ethane	µg/l			7.2	9.3	-	6.4	-	-	-	-	-	-	-	-	-	-	2.23	2.62	2.54	2.18	2.48	2.44
Ethene	µg/l			0.37	<5	-	0.5	-	-	-	-	-	-	-	-	-	-	2.2	2.01	1.58	<1.5	6.18	16.4
Methane	µg/l			270	750	-	560	-	-	-	-	-	-	-	-	-	-	70.3	76.9	65.7	56.4	498	395
ORP	mV			33.6	-55.3	-	-56.2	-	-	-	-	-	-	-	-	-	-	-121	-120	-93	-137	-138	-100
Sulfate	mg/l			-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	21.8	16.2	10.4	13.7	8.33
Total Organic Carbon	mg/l			8	0.37	-	4.7	-	-	-	-	-	-	-	-	-	-	9.15	4.3	3.6	3.54	9.62	13



**TABLE E-2
MONITORING WELL GROUNDWATER ANALYTICAL RESULTS SUMMARY
Former Cool City Cleaners
Two Rivers, Wisconsin**

PARAMETERS	UNITS	NR 140 ES	NR 140 PAL	MW-3																	
				10/3/02	4/9/03	8/5/03	9/16/04	11/30/04	3/21/05	6/27/05	9/29/05	12/30/05	4/25/06	7/31/06	7/9/07	9/13/07	12/26/07	4/2/08	6/26/08	9/29/08	
PVOCs																					
Benzene	µg/l	5	0.5	0.57	<0.25	<0.25	<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	
Butylbenzene	µg/l	NE	NE	<0.65	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.4	
sec-Butylbenzene	µg/l	NE	NE	<0.62	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.3	<0.3	<0.3	
tert-Butylbenzene	µg/l	NE	NE	<0.96	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.3	<0.3	<0.3	
Ethylbenzene	µg/l	700	140	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	
Isopropylbenzene	µg/l	NE	NE	<0.66	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
4-Isopropyltoluene	µg/l	NE	NE	<0.58	<0.25	<0.25	<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	
Methyl tert-butyl ether	µg/l	60	12	<0.87	0.79	2.5	0.97	1.8	<0.5	4	8.6	11	14	35	29.6	18.4	5.6	9.45	12.5	4.97	
Naphthalene	µg/l	100	10	<0.63	<0.25	<0.25	0.59	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1	<1	<1	<1	<1	<1	
Propylbenzene	µg/l	NE	NE	<0.95	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Styrene	µg/l	100	10	<0.62	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Toluene	µg/l	1,000	200	4.5	0.67	1.3	<0.2	2.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
1,2,4-Trimethylbenzene	µg/l	480*	96*	<0.69	<0.25	<0.25	<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	
1,3,5-Trimethylbenzene	µg/l			<0.64	<0.25	<0.25	<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	
Xylenes, Total	µg/l	10,000	1,000	4.87	<0.5	0.97	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Total PVOCs				11	1.5	4.8	1.6	4	0	4	8.6	11	14	35	30	18	5.6	9.5	13	5.0	
Halogenated VOCs																					
Bromomethane	µg/l	4.4	0.44	<0.87	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<1	1.04	<1	<1	<1	<1	
Chloroethane	µg/l	400	80	<0.84	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	
Chloroform	µg/l	6	0.6	<0.45	<0.25	<0.25	<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	
Chloromethane	µg/l	3	0.3	<0.27	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.3	0.78	<0.3	<0.4	<0.4	<0.4	
Dibromochloromethane	µg/l	60	6	<0.84	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.20	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
1,1-Dichloroethene	µg/l	7	0.7	<0.56	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
cis-1,2-Dichloroethene	µg/l	70	7	<0.81	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.3	<0.3	<0.3	
trans-1,2-Dichloroethene	µg/l	100	20	<0.8	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
1,1-Dichloropropylene	µg/l	NE	NE	<0.79	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.3	<0.3	<0.3	<0.5	<0.5	<0.5	
Methylene Chloride	µg/l	5	0.5	<0.47	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	
1,1,1-Trichloroethane	µg/l	200	40	<0.65	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
1,1,2-Trichloroethane	µg/l	5	0.5	<0.5	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.2	<0.2	<0.2	<0.3	<0.3	<0.3	
Tetrachloroethene	µg/l	5	0.5	6.7	2.2	4.3	9.8	7	3.5	3.6	4.6	3.1	1.6	1.3	2.35	2.78	2.02	1.34	2.17	6.19	
Trichloroethene	µg/l	5	0.5	0.67	<0.25	0.33	<0.2	<0.2	<0.2	<0.2	0.24	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.4	<0.4	<0.4	
1,2,3-Trichloropropane	µg/l	60	12	<0.92	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	
Vinyl Chloride	µg/l	0.2	0.02	<0.11	<0.5	<0.25	<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	
RD Parameters																					
Diss Iron	mg/l			-	-	-	-	-	-	-	-	-	-	-	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
Diss Manganese	mg/l			-	-	-	-	-	-	-	-	-	-	-	0.0253	0.0431	0.0047	0.0081	0.0602	0.0713	
Diss Oxygen	mg/l			0.3	1.68	0.16	-	-	-	-	-	-	-	-	6.23	2.94	2.83	5.74	7.11	2.37	
Ethane	µg/l			<0.005	0.038	0.018	-	-	-	-	-	-	-	-	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	
Ethene	µg/l			<0.005	0.028	0.0067	-	-	-	-	-	-	-	-	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	
Methane	µg/l			1.5	3.5	0.2	-	-	-	-	-	-	-	-	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	
ORP	mV			69.3	33.9	24.1	-	-	-	-	-	-	-	-	143	47	117	119	47	110	
Sulfate	mg/l			-	-	-	-	-	-	-	-	-	-	-	66.1	83.9	96	85.2	54.8	62.5	
Total Organic Carbon	mg/l			4	4.4	5.1	-	-	-	-	-	-	-	-	6.14	2.34	5.32	3.46	3.36	3.12	



**TABLE E-2
MONITORING WELL GROUNDWATER ANALYTICAL RESULTS SUMMARY
Former Cool City Cleaners
Two Rivers, Wisconsin**

PARAMETERS	UNITS	NR 140 ES	NR 140 PAL	MW-4																	
				10/3/02	4/9/03	8/5/03	9/16/04	11/30/04	3/21/05	6/27/05	9/29/05	12/30/05	4/25/06	7/31/06	7/10/07	9/13/07	12/26/07	4/3/08	6/26/08	9/29/08	
PVOCs																					
Benzene	µg/l	5	0.5	<0.5	<0.25	<0.25	<0.2	<0.2	<0.2	0.29	12	9.2	10	3.4	15.9	<2	6.92	<4	3.79	<2	
Butylbenzene	µg/l	NE	NE	11	<0.25	<0.25	<0.2	0.61	<0.2	0.7	0.55	<0.2	<0.8	<0.4	<10	<2	<0.2	<8	<4	<4	
sec-Butylbenzene	µg/l	NE	NE	<1.2	9	6.4	4.2	3.9	2.4	3.4	3.2	1	1.1	3.9	<10	<2	<0.2	<6	<3	<3	
tert-Butylbenzene	µg/l	NE	NE	<1.9	<0.25	0.93	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	0.74	<10	<2	<0.2	<6	<3	<3	
Ethylbenzene	µg/l	700	140	<1.1	<0.5	<0.5	<0.5	<0.5	<0.5	4.8	<0.5	2.2	40	19	124	11.8	66.7	65.4	21.3	52.3	
Isopropylbenzene	µg/l	NE	NE	5.4	1.4	1.3	1	0.66	0.46	1.4	0.8	0.7	4.3	3.7	7.07	<1	4.04	5	2.52	4.79	
4-Isopropyltoluene	µg/l	NE	NE	15	0.66	0.59	0.49	0.52	<0.2	<0.2	3.9	1.2	0.88	6.6	<10	<2	0.54	<4	<2	<2	
Methyl tert-butyl ether	µg/l	60	12	<1.7	<0.5	<0.5	1.4	8.2	5.8	3.7	11	4.4	5.4	77	<10	<2	5.47	<10	<5	<5	
Naphthalene	µg/l	100	10	2.5	0.31	<0.25	<0.25	<0.25	<0.25	1.8	<0.25	<0.25	3.7	8.4	<50	<10	10.2	<20	<10	17.6	
Propylbenzene	µg/l	NE	NE	9.5	2.6	2.4	1.4	1.1	0.77	2.2	1.4	<0.5	<2	2	5.44	<1	1.64	<2	1.55	3.1	
Styrene	µg/l	100	10	<1.2	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	0.52	<5	<1	<0.1	<2	<1	<1	
Toluene	µg/l	1,000	200	2	0.37	0.52	0.28	<0.2	<0.2	16	5.9	13	140	30	482	48.2	309	346	137	83.1	
1,2,4-Trimethylbenzene	µg/l	480*	96*	150	12	4.6	5.9	4.6	1.1	9.4	6.6	0.25	27	2.7	18.4	<2	5.66	5.02	2.18	6.61	
1,3,5-Trimethylbenzene	µg/l			19	<0.25	<0.25	1.2	0.46	<0.2	1.9	0.78	<0.2	<0.8	0.46	18.3	<2	6.3	5.73	3.08	5.32	
Xylenes, Total	µg/l	10,000	1,000	<3.7	<0.5	<0.5	<0.5	<0.5	<0.5	17	2.1	4.3	28	27	227.2	13.38	141.2	100.4	35.1	57	
Total PVOCs				214	26	17	16	20	11	63	48	36	260	185	898	73	558	528	207	230	
Halogenated VOCs																					
Bromomethane	µg/l	4.4	0.44	<1.7	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.4	<50	11.1	<1	<20	<10	<10	
Chloroethane	µg/l	400	80	<1.7	<1	<1	<1	<1	<1	<1	<1	<1	<4	<2	<30	<6	<0.6	<12	<6	<6	
Chloroform	µg/l	6	0.6	<0.9	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.4	<10	<2	<0.2	<4	<2	<2	
Chloromethane	µg/l	3	0.3	<0.54	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	2.1	<15	6.81	<0.3	<8	<4	<4	
Dibromochloromethane	µg/l	60	6	<1.7	<0.25	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.80	<0.4	<10	<2	<0.2	<4	<2	<2	
1,1-Dichloroethene	µg/l	7	0.7	<1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<1	<20	<4	<0.4	<8	<4	<4	
cis-1,2-Dichloroethene	µg/l	70	7	<1.6	<0.5	<0.5	2.9	0.66	<0.5	0.7	<0.5	<0.5	<2	1.1	<10	<2	<0.2	<6	<3	5.35	
trans-1,2-Dichloroethene	µg/l	100	20	<1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<1	<10	<2	<0.2	<4	<2	<2	
1,1-Dichloropropylene	µg/l	NE	NE	<1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<1	<15	<3	<0.3	<10	<5	<5	
Methylene Chloride	µg/l	5	0.5	<0.94	<1	<1	<1	<1	<1	<1	<1	<1	<4	<2	<20	<4	<0.4	<8	<4	<4	
1,1,1-Trichloroethane	µg/l	200	40	<1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<1	<10	<2	<0.2	<4	<2	<2	
1,1,2-Trichloroethane	µg/l	5	0.5	<1.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<1	<0.5	<10	<2	<0.2	<6	<3	<3	
Tetrachloroethene	µg/l	5	0.5	3.2	0.78	1.8	4.4	1.1	1.8	2.8	1.8	1.9	3.8	4.9	<15	<3	1.78	<6	11.5	<3	
Trichloroethene	µg/l	5	0.5	<0.78	<0.25	<0.25	<0.2	<0.2	<0.2	0.35	0.25	<0.2	<0.8	<0.4	<10	<2	<0.2	<8	<4	<4	
1,2,3-Trichloropropane	µg/l	60	12	<1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<1	<25	<6	<0.6	<12	<6	<6	
Vinyl Chloride	µg/l	0.2	0.02	<0.22	<0.5	<0.25	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.8	<0.4	<10	<2	<0.2	<4	<2	<2	
RD Parameters																					
Diss Iron	mg/l			-	-	-	-	-	-	-	-	-	-	-	7.47	2.78	1.55	2.85	1.16	12.4	
Diss Manganese	mg/l			-	-	-	-	-	-	-	-	-	-	-	0.172	0.19	0.219	0.152	0.0702	0.183	
Diss Oxygen	mg/l			0.05	0.31	0.1	-	-	-	-	-	-	-	-	2.88	1.84	1.78	1.47	2.61	1.25	
Ethane	µg/l			0.046	0.015	0.027	-	-	-	-	-	-	-	-	3.58	<1.4	1.6	<1.4	<1.4	<1.4	
Ethene	µg/l			<0.005	0.029	0.02	-	-	-	-	-	-	-	-	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	
Methane	µg/l			0.72	27	16	-	-	-	-	-	-	-	-	26.6	7.75	5.9	2.82	<1.8	229	
ORP	mV			56.5	-120.1	-157.9	-	-	-	-	-	-	-	-	-92	-97	-20	-51	-47	-81	
Sulfate	mg/l			-	-	-	-	-	-	-	-	-	-	-	32.3	63.7	84.7	56.2	47.6	45.9	
Total Organic Carbon	mg/l			7	6.3	8.9	-	-	-	-	-	-	-	-	9.95	5.5	5.37	5.95	10	9.08	



**TABLE E-2
MONITORING WELL GROUNDWATER ANALYTICAL RESULTS SUMMARY
Former Cool City Cleaners
Two Rivers, Wisconsin**

PARAMETERS	UNITS	NR 140 ES	NR 140 PAL	MW-5																	
				10/3/02	4/9/03	8/5/03	9/16/04	11/30/04	3/21/05	6/27/05	9/29/05	12/30/05	4/25/06	7/31/06	7/10/07	9/13/07	12/26/07	4/3/08	6/27/08	9/29/08	
PVOCs																					
Benzene	µg/l	5	0.5	13	9.3	15	22	12	7.1	21	10	9.2	9.4	18	<10	<10	<10	<4	<4	<4	
Butylbenzene	µg/l	NE	NE	<3.2	<0.5	<1.2	<0.2	<0.2	<0.2	<2	<1.6	0.84	<1.6	<2	<10	<10	<10	<8	<8	<8	
sec-Butylbenzene	µg/l	NE	NE	<3.1	<0.5	<1.2	0.38	0.37	<0.25	<2.5	<2	<1	<2	<2.5	<10	<10	<10	<6	<6	<6	
tert-Butylbenzene	µg/l	NE	NE	<4.8	<0.5	<1.2	<0.2	<0.2	<0.2	<2	<1.6	<0.8	<1.6	<2	<10	<10	<10	<6	<6	<6	
Ethylbenzene	µg/l	700	140	120	53	82	93	89	56	95	76	160	220	280	335	261	351	403	355	292	
Isopropylbenzene	µg/l	NE	NE	6.2	2.3	3.7	5.1	4.8	3	6	4.3	7.9	9.8	13	10.3	7.59	12.1	14.9	15.8	11.9	
4-Isopropyltoluene	µg/l	NE	NE	<2.9	<0.5	<1.2	2.2	1	0.54	<2	<1.6	1	<1.6	<2	<10	<10	<10	<4	<4	<4	
Methyl tert-butyl ether	µg/l	60	12	<4.3	3.2	20	94	370	430	160	50	31	<4	<5	<10	<10	<10	<10	<10	<10	
Naphthalene	µg/l	100	10	28	10	20	36	27	14	37	25	32	28	46	58.8	<50	55.8	35.3	42.3	51.8	
Propylbenzene	µg/l	NE	NE	<4.8	1.2	<2.5	4.1	3.9	2.3	<5	<4	5	5	7.1	<5	<5	<5	<2	<2	<2	
Styrene	µg/l	100	10	<3.1	<0.5	1.6	<0.2	<0.2	<0.2	<2	<1.6	<0.8	<1.6	<2	<5	<5	<5	<2	<2	<2	
Toluene	µg/l	1,000	200	480	80	160	170	140	120	300	200	570	560	620	564	425	925	746	450	216	
1,2,4-Trimethylbenzene	µg/l	480*	96*	54	16	26	53	39	22	48	30	48	51	76	67.9	37.7	53.7	68.6	74.6	62.7	
1,3,5-Trimethylbenzene	µg/l			8.3	1.6	4.5	13	6.6	3.6	7.1	3.8	7.3	5.7	11	39.6	22.4	33.9	29.1	11	34	
Xylenes, Total	µg/l	10,000	1,000	389	100	190	230	150	84	220	140	190	310	430	325.9	260	427.3	553.3	551.4	437.7	
Total PVOCs				1,099	277	523	723	844	743	894	539	1,062	1,199	1,501	1,402	1,014	1,859	1,850	1,500	1,106	
Halogenated VOCs																					
Bromomethane	µg/l	4.4	0.44	<4.3	<0.5	<1.2	<0.2	<0.2	<0.2	<2	<1.6	<0.8	<1.6	<2	<50	<50	<50	<20	<20	<20	
Chloroethane	µg/l	400	80	<4.2	<2	<5	<1	<1	<1	<10	<8	<4	<8	<10	<30	<30	<30	<12	<12	<12	
Chloroform	µg/l	6	0.6	<2.2	<0.5	<1.2	<0.2	<0.2	<0.2	<2	<1.6	<0.8	<1.6	<2	<10	<10	<10	<4	<4	<4	
Chloromethane	µg/l	3	0.3	<1.4	6.1	<1.2	<0.2	<1	<0.2	<2	<1.6	<0.8	<1.6	39	28.7	35.9	<15	20.6	<8	<8	
Dibromochloromethane	µg/l	60	6	<4.2	<0.5	<1.2	<0.2	<0.2	<0.2	<2	<1.6	<0.8	<1.6	<2	<10	<10	<10	<4	<4	<4	
1,1-Dichloroethene	µg/l	7	0.7	<2.8	<1	<2.5	<0.5	<0.5	<0.5	<5	<4	<2	<4	<5	<20	<20	<20	<4	<8	<8	
cis-1,2-Dichloroethene	µg/l	70	7	<4	<1	<2.5	<0.5	<0.5	<0.5	<5	<4	<2	<4	<5	<10	<10	<10	<6	<6	<6	
trans-1,2-Dichloroethene	µg/l	100	20	<4	<1	<2.5	<0.5	<0.5	<0.5	<5	<4	<2	<4	<5	<10	<10	<10	<4	<4	<4	
1,1-Dichloropropylene	µg/l	NE	NE	<4	<1	<2.5	<0.5	<0.5	<0.5	<5	<4	<2	<4	<5	26.8	<15	<15	<10	<10	<10	
Methylene Chloride	µg/l	5	0.5	<2.3	<2	<5	<1	<1	<1	<10	<8	<4	<8	<10	<20	<20	<20	<8	<8	<8	
1,1,1-Trichloroethane	µg/l	200	40	<3.2	<1	<2.5	<0.5	<0.5	<0.5	<5	<4	<2	<4	<5	<10	<10	<10	<4	<4	<4	
1,1,2-Trichloroethane	µg/l	5	0.5	<2.5	<0.5	<1.2	<0.25	<0.25	<0.25	<2.5	<2	<1	<2	<2.5	<10	<10	<10	<6	<6	<6	
Tetrachloroethene	µg/l	5	0.5	<3.1	<1	<2.5	<0.5	<0.5	<0.5	<5	<4	<2	<4	<5	<15	<15	<15	<6	<6	<6	
Trichloroethene	µg/l	5	0.5	<1.9	<0.5	<1.2	<0.2	<0.2	<0.2	<2	<1.6	<0.8	<1.6	<2	<10	<10	<10	<8	<8	<8	
1,2,3-Trichloropropane	µg/l	60	12	<4.6	<1	<2.5	<0.5	<0.5	<0.5	<5	<4	<2	<4	<5	<30	<30	<30	<12	<12	<12	
Vinyl Chloride	µg/l	0.2	0.02	<0.55	<1	<1.2	<0.2	<0.2	<0.2	<2	<1.6	<0.8	<1.6	<2	<10	<10	<10	<4	<4	<4	
RD Parameters																					
Diss Iron	mg/l			-	-	-	-	-	-	-	-	-	-	-	4.01	1.75	1.95	1.87	1.7	3.03	
Diss Manganese	mg/l			-	-	-	-	-	-	-	-	-	-	-	0.171	0.102	0.105	0.118	0.127	0.161	
Diss Oxygen	mg/l			0.07	0.32	0.09	-	-	-	-	-	-	-	-	1.13	0.33	0.40	0.0	0.0	0.0	
Ethane	µg/l			4.9	4.2	3	-	-	-	-	-	-	-	-	3.15	2.34	3.78	3.31	2.36	2.57	
Ethene	µg/l			0.23	0.18	0.11	-	-	-	-	-	-	-	-	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	
Methane	µg/l			97	140	92	-	-	-	-	-	-	-	-	13.8	13.1	37.4	45.9	27.8	31.2	
ORP	mV			-55.5	-101.1	-137	-	-	-	-	-	-	-	-	-124	-112	-110	-155	-134	-113	
Sulfate	mg/l			-	-	-	-	-	-	-	-	-	-	-	3.65	11.4	7.3	9.18	8.15	6.09	
Total Organic Carbon	mg/l			6	5.4	3.9	-	-	-	-	-	-	-	-	9.38	3.75	4.98	5.41	4.92	4.38	



**TABLE E-2
MONITORING WELL GROUNDWATER ANALYTICAL RESULTS SUMMARY
Former Cool City Cleaners
Two Rivers, Wisconsin**

PARAMETERS	UNITS	NR 140 ES	NR 140 PAL	MW-6																	
				9/16/04	11/30/04	3/21/05	3/05 Dup.	6/27/05	6/05 Dup.	9/29/05	9/05 Dup.	12/30/05	4/25/06	7/31/06	7/10/07	9/13/07	12/26/07	4/3/08	6/27/08	9/29/08	
PVOCs																					
Benzene	µg/l	5	0.5	28	27	<16	17	38	40	20	18	<8.0	16	32	23	<10	<10	<4	14.7	<2	
Butylbenzene	µg/l	NE	NE	<4	<4	<16	<16	<16	<10	<10	<10	<8.0	<1.6	<2	<10	<10	<10	<8	<4	<4	
sec-Butylbenzene	µg/l	NE	NE	<5	<5	<20	<20	<20	<12	<12	<12	<10	<2	<2.5	<10	<10	<10	<6	<3	<3	
tert-Butylbenzene	µg/l	NE	NE	<4	<4	<16	<16	<16	<10	<10	<10	<8.0	<1.6	<2	<10	<10	<10	<6	<3	<3	
Ethylbenzene	µg/l	700	140	780	650	590	590	470	530	550	560	560	390	440	406	223	165	211	320	198	
Isopropylbenzene	µg/l	NE	NE	50	38	34	34	30	33	35	36	38	28	30	25	13.5	8.99	13.4	20.1	10.9	
4-Isopropyltoluene	µg/l	NE	NE	6.6	<4	<16	<16	<16	<10	<10	<10	<8.0	2.1	3.5	<10	<10	<10	<4	2.34	3.71	
Methyl tert-butyl ether	µg/l	60	12	<10	<10	<40	<40	<40	<25	<25	<25	<20	<4	<5	<10	<10	<10	<10	<5	<5	
Naphthalene	µg/l	100	10	280	230	190	190	190	200	210	200	200	180	180	184	84.5	64.4	93.5	149	85.8	
Propylbenzene	µg/l	NE	NE	<10	36	<40	<40	<40	30	30	31	34	23	27	<5	<5	9.91	13.7	<1	<1	
Styrene	µg/l	100	10	<4	<4	<16	<16	<16	<10	<10	<10	<8	<1.6	<2	<5	7.16	<5	5.84	<1	6.16	
Toluene	µg/l	1,000	200	3,100	2,900	3,000	2,900	2,100	2,200	2,800	2,800	2,700	360	630	1,260	145	119	104	743	266	
1,2,4-Trimethylbenzene	µg/l	480*	96*	460	300	280	270	240	260	260	270	280	200	240	221	102	73.2	119	193	108	
1,3,5-Trimethylbenzene	µg/l			86	62	46	57	42	50	59	51	61	19	48	181	33.6	17.6	<4	35.1	<2	
Xylenes, Total	µg/l	10,000	1,000	2,700	2,100	2,000	1,900	1,700	1,900	1,800	1,800	2,000	760	840	1,156	195.1	155.9	214.4	836	294.2	
Total PVOCs				7,491	6,343	6,140	5,958	4,810	5,243	5,764	5,766	5,873	1,978	2,471	3,456	804	614	775	2,313	973	
Halogenated VOCs																					
Bromomethane	µg/l	4.4	0.44	<4	<4	<16	<16	<16	<10	<10	<10	<8	<1.6	<2	<50	62	<50	<20	<10	<10	
Chloroethane	µg/l	400	80	<20	<20	<80	<80	<80	<50	<50	<50	<40	<8	<10	<30	<30	<30	<12	<6	<6	
Chloroform	µg/l	6	0.6	<4	<4	<16	<16	<16	<10	<10	<10	<8	<1.6	<2	<10	<10	<10	<4	<2	2.09	
Chloromethane	µg/l	3	0.3	<4	<4	<16	<16	<16	<10	<10	<10	<8	<1.6	35	24	31.8	<15	<8	<4	<4	
Dibromochloromethane	µg/l	60	6	<4	<4	<16	<16	<16	<10	<10	<10	<8	<1.6	<2	<10	<10	<10	<4	<2	<2	
1,1-Dichloroethene	µg/l	7	0.7	<10	<10	<40	<40	<40	<25	<25	<25	<20	<4	<5	<20	<20	<10	<8	<4	<4	
cis-1,2-Dichloroethene	µg/l	70	7	<10	<10	<40	<40	<40	<25	<25	<25	<20	<4	<5	<10	<10	<10	<6	5.94	5.25	
trans-1,2-Dichloroethene	µg/l	100	20	<10	<10	<40	<40	<40	<25	<25	<25	<20	<4	<5	<10	<10	<10	<4	<2	4.72	
1,1-Dichloropropylene	µg/l	NE	NE	<10	<10	<40	<40	<40	<25	<25	<25	<20	<4	<5	34.9	15.9	<15	21.9	<5	<5	
Methylene Chloride	µg/l	5	0.5	<20	<20	<80	<80	<80	<50	<50	<50	<40	<8	<10	<20	<20	<20	<8	<4	<4	
1,1,1-Trichloroethane	µg/l	200	40	<10	<10	<40	<40	<40	<25	<25	<25	<20	<4	<5	<10	<10	<10	<4	<2	<2	
1,1,2-Trichloroethane	µg/l	5	0.5	<5	<5	<20	<20	<20	<12	<12	<12	<10	<2	<2.5	<10	<10	<10	<4	<2	<2	
Tetrachloroethene	µg/l	5	0.5	19	<10	<40	<40	<40	<25	<25	<25	<20	22	7.2	<15	<15	<15	<6	12.7	<3	
Trichloroethene	µg/l	5	0.5	<4	<4	<16	<16	<16	<10	<10	<10	<8	<1.6	<2	<10	<10	<10	<8	<4	<4	
1,2,3-Trichloropropane	µg/l	60	12	<10	<10	<40	<40	<40	<25	<25	<25	<20	<4	<5	<30	<30	<30	<12	<6	<6	
Vinyl Chloride	µg/l	0.2	0.02	<4	<4	<16	<16	<16	<10	<10	<10	<8	<1.6	<2	<10	<10	<10	<4	<2	<2	
RD Parameters																					
Diss Iron	mg/l			-	-	-	-	-	-	-	-	-	-	-	4.44	1.47	1.37	1.15	1.49	2.41	
Diss Manganese	mg/l			-	-	-	-	-	-	-	-	-	-	-	0.108	0.0539	0.056	0.0541	0.956	0.0683	
Diss Oxygen	mg/l			-	-	-	-	-	-	-	-	-	-	-	1.76	1.16	0.57	0.0	0.0	0.57	
Ethane	µg/l			-	-	-	-	-	-	-	-	-	-	-	5.56	<1.4	<1.4	1.44	4.18	2.83	
Ethene	µg/l			-	-	-	-	-	-	-	-	-	-	-	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	
Methane	µg/l			-	-	-	-	-	-	-	-	-	-	-	26	13.6	24	14.2	24.6	47.2	
ORP	mV			-	-	-	-	-	-	-	-	-	-	-	-117	-106	-101	-167	-136	-101	
Sulfate	mg/l			-	-	-	-	-	-	-	-	-	-	-	6.45	25.7	25.7	20.2	6.86	3.12	
Total Organic Carbon	mg/l			-	-	-	-	-	-	-	-	-	-	-	6.92	4.46	4.45	4.64	5.14	4.93	



**TABLE E-2
MONITORING WELL GROUNDWATER ANALYTICAL RESULTS SUMMARY
Former Cool City Cleaners
Two Rivers, Wisconsin**

PARAMETERS	UNITS	NR 140 ES	NR 140 PAL	MW-7																		
				9/16/04	9/04 Dup.	11/30/04	3/21/05	6/27/05	9/29/05	12/30/05	12/05 Dup.	4/25/06	4/06 Dup.	7/31/06	7/06 Dup.	7/9/07	9/13/07	12/27/07	4/2/08	6/27/08	9/30/08	
PVOCs																						
Benzene	µg/l	5	0.5	67	71	75	45	16	44	32	28	38	35	27	26	8.13	<2	3.5	<2	23.4	<2	
Butylbenzene	µg/l	NE	NE	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	<4	<4	<2	<2	2.33	<4	<4	8.19	
sec-Butylbenzene	µg/l	NE	NE	<5	<5	<12	<20	<12	<12	<10	<10	<2	<2	<5	<5	<2	<2	<2	<3	<3	6.26	
tert-Butylbenzene	µg/l	NE	NE	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	<4	<4	<2	<2	<2	<3	<3	<3	
Ethylbenzene	µg/l	700	140	640	620	550	480	300	450	450	400	380	370	360	340	204	284	210	244	333	330	
Isopropylbenzene	µg/l	NE	NE	40	41	34	26	16	28	29	27	26	25	24	22	11.2	16.9	9.22	12.7	20.8	21	
4-Isopropyltoluene	µg/l	NE	NE	<4	<4	<10	<16	<10	<10	<8	<8	2.2	<1.6	<4	<4	<2	<2	<2	<2	<2	3.77	
Methyl tert-butyl ether	µg/l	60	12	<10	<10	<25	<40	<25	<25	<20	<20	<4	<4	<10	<10	<2	<2	<2	<5	<5	<5	
Naphthalene	µg/l	100	10	220	220	170	140	88	150	150	130	150	130	140	130	72.7	101	48.6	67.2	126	133	
Propylbenzene	µg/l	NE	NE	33	34	29	<40	<25	<25	22	23	21	20	19	18	<1	<1	8.43	11.5	<1	<1	
Styrene	µg/l	100	10	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	<4	<4	<1	<1	3.66	5.63	<1	<1	
Toluene	µg/l	1,000	200	2,700	2,700	2,800	2,600	1,300	1,800	1,800	1,700	1,900	1,900	1,600	1,500	164	200	63.6	110	445	497	
1,2,4-Trimethylbenzene	µg/l	480*	96*	300	300	250	210	120	200	210	200	190	170	180	160	88.1	132	74.8	103	166	167	
1,3,5-Trimethylbenzene	µg/l			73	72	50	50	20	40	41	58	18	19	40	35	33.4	40.1	16.2	21.1	41.2	43.4	
Xylenes, Total	µg/l	10,000	1,000	1,700	1,700	1,600	1,400	880	1,300	1,300	1,300	1,200	1,200	1,200	1,100	300.9	345.4	197	248	516	477.6	
Total PVOCs				5,773	5,758	5,558	4,951	2,740	4,012	4,034	3,866	3,925	3,869	3,590	3,331	882	1,119	637	823	1,671	1,687	
Halogenated VOCs																						
Bromomethane	µg/l	4.4	0.44	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	<4	<4	<10	14.1	<10	<10	<10	<10	
Chloroethane	µg/l	400	80	<20	<20	<50	<80	<50	<50	<4	<40	<8	<8	<20	<20	<6	<6	<6	<6	<6	<6	
Chloroform	µg/l	6	0.6	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	<4	<4	<2	<2	<2	<2	<2	<2	
Chloromethane	µg/l	3	0.3	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	31	17	8.95	7.16	<3	6.02	<4	7.24	
Dibromochloromethane	µg/l	60	6	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	<4	<4	<2	<2	<2	<2	<2	<2	
1,1-Dichloroethene	µg/l	7	0.7	<10	<10	<25	<40	<25	<25	<20	<20	<4	<4	<10	<10	<4	<4	<4	<4	<4	<4	
cis-1,2-Dichloroethene	µg/l	70	7	65	71	54	<40	<25	<25	<20	<20	23	21	13	12	4.23	2.21	<2	<3	31.7	11	
trans-1,2-Dichloroethene	µg/l	100	20	<10	<10	<25	<40	<25	<25	<20	<20	<4	<4	<10	<10	<2	<2	<2	<2	<2	<2	
1,1-Dichloropropylene	µg/l	NE	NE	<10	<10	<25	<40	<25	<25	<20	<20	<4	<4	<10	<10	<2	<2	<2	<2	<2	<2	
Methylene Chloride	µg/l	5	0.5	<20	<20	<50	<80	<50	<50	<40	<40	<8	<8	<20	<20	<4	<4	<4	<4	<4	<4	
1,1,1-Trichloroethane	µg/l	200	40	<10	<10	<25	<40	<25	<25	<20	<20	<4	<4	<10	<10	<2	<2	<2	<2	<2	3.45	
1,1,2-Trichloroethane	µg/l	5	0.5	<5	<5	<12	<20	<12	<12	<10	<10	<2	<2	<5	<5	<2	<2	<2	<3	<3	<3	
Tetrachloroethene	µg/l	5	0.5	<10	<10	<25	<40	<25	<25	<20	<20	<4	<4	<10	<10	<3	<3	<3	<3	<3	<3	
Trichloroethene	µg/l	5	0.5	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	<4	<4	<2	<2	<2	<4	<4	<4	
1,2,3-Trichloropropane	µg/l	60	12	<10	<10	<25	<40	<25	<25	<20	<20	<4	<4	<10	<10	<6	<6	<6	<6	<6	<6	
Vinyl Chloride	µg/l	0.2	0.02	<4	<4	<10	<16	<10	<10	<8	<8	<1.6	<1.6	<4	<4	<2	<2	<2	<2	<2	<2	
RD Parameters																						
Diss Iron	mg/l			-	-	-	-	-	-	-	-	-	-	-	-	3.43	2.57	0.923	0.158	4	2.37	
Diss Manganese	mg/l			-	-	-	-	-	-	-	-	-	-	-	-	0.0834	0.104	0.0781	0.0735	0.0794	0.0989	
Diss Oxygen	mg/l			-	-	-	-	-	-	-	-	-	-	-	-	1.07	1.06	0.83	0.58	0.0	0.0	
Ethane	µg/l			-	-	-	-	-	-	-	-	-	-	-	-	3.82	2.75	2.35	2.56	3.42	3.22	
Ethene	µg/l			-	-	-	-	-	-	-	-	-	-	-	-	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	
Methane	µg/l			-	-	-	-	-	-	-	-	-	-	-	-	159	85.9	92.7	77.2	53.2	61.9	
ORP	mV			-	-	-	-	-	-	-	-	-	-	-	-	-150	-96	-97	-129	-151	-108	
Sulfate	mg/l			-	-	-	-	-	-	-	-	-	-	-	-	16.6	15.9	3.07	2.47	8.67	4.16	
Total Organic Carbon	mg/l			-	-	-	-	-	-	-	-	-	-	-	-	6.45	5.08	6.13	4.72	6.73	5.4	



**TABLE E-2
MONITORING WELL GROUNDWATER ANALYTICAL RESULTS SUMMARY
Former Cool City Cleaners
Two Rivers, Wisconsin**

PARAMETERS	UNITS	NR 140 ES	NR 140 PAL	IP-7						IP-15			IP-17			
				7/9/07	9/13/07	12/27/07	4/3/08	6/27/08	9/30/08	7/11/07	6/27/08	9/30/08	9/13/07	4/3/08	6/26/08	9/30/08
PVOCs																
Benzene	µg/l	5	0.5	<2	19.9	30.5	<2	13.3	<2	<2	29.6	16	<0.2	5.42	7.06	<i>2.12</i>
Butylbenzene	µg/l	NE	NE	<2	<2	<2	<4	<4	<4	<2	<2	<4	<0.2	<0.4	<0.4	<2
sec-Butylbenzene	µg/l	NE	NE	<2	<2	<2	<3	58.8	<3	<2	<6	<3	<0.2	<0.3	<0.3	<1.5
tert-Butylbenzene	µg/l	NE	NE	<2	<2	<2	<3	<3	<3	<2	<6	<3	<0.2	<0.3	<0.3	<1.5
Ethylbenzene	µg/l	700	140	<i>305</i>	15.5	<i>434</i>	<i>402</i>	<i>368</i>	<i>254</i>	<i>438</i>	<4	<2	1.5	3.28	20.3	12.1
Isopropylbenzene	µg/l	NE	NE	24.8	1.22	30.9	30.8	28.2	19.6	29.5	<2	<1	0.41	0.33	0.6	<0.5
4-Isopropyltoluene	µg/l	NE	NE	16	<2	2.23	33.7	17.6	22.3	6.86	6.86	<2	<0.2	<0.2	<0.2	<1
Methyl tert-butyl ether	µg/l	60	12	<2	<2	<2	<5	<5	<5	<2	<10	<5	<0.2	<0.5	<0.5	<2.5
Naphthalene	µg/l	100	10	<i>77.1</i>	<10	<i>87.6</i>	<i>78.8</i>	<i>92</i>	<i>71.4</i>	194	<20	<10	<1	<1	<1	<5
Propylbenzene	µg/l	NE	NE	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.38	0.43	0.46	<0.5
Styrene	µg/l	100	10	<1	<1	<1	<1	<1	<1	<1	<2	<1	<0.1	<0.1	<0.1	<0.5
Toluene	µg/l	1,000	200	<i>425</i>	<i>354</i>	<i>436</i>	<i>364</i>	<i>450</i>	173	<i>778</i>	<8	26.5	<0.4	66.3	64.6	10.3
1,2,4-Trimethylbenzene	µg/l	480*	96*	<i>300</i>	9.58	<i>259</i>	<i>296</i>	<i>242</i>	<i>170</i>	<i>245</i>	<4	<2	1.32	1.31	2.17	1.88
1,3,5-Trimethylbenzene	µg/l			<i>106</i>	3.47	<i>38.6</i>	<2	<i>49.3</i>	<i>31.8</i>	<i>186</i>	<4	<2	2.19	<0.2	0.21	<1
Xylenes, Total	µg/l	10,000	1,000	466	25.7	562	658	612	348	663	<4	<4	<0.2	0.75	5.14	1.66
Total PVOCs				1,720	429	1,881	1,863	1,931	1,090	2,540	36	43	6	78	101	28
Halogenated VOCs																
Bromomethane	µg/l	4.4	0.44	<10	14.3	<10	<10	<10	<10	<10	<20	<10	<1	<1	<1	<5
Chloroethane	µg/l	400	80	<6	<6	<6	<6	<6	<6	<6	<12	<6	2	<0.6	<0.6	<3
Chloroform	µg/l	6	0.6	<2	<2	<2	<2	<2	5.77	13.3	<4	12.1	<0.2	<0.2	<0.2	<2
Chloromethane	µg/l	3	0.3	22.3	11.1	<3	5.12	<4	<4	13.6	<8	<4	<i>1.05</i>	<0.4	<0.4	<2
Dibromochloromethane	µg/l	60	6	<2	<2	<2	<2	<2	<2	<2	<4	5.71	<0.2	<0.2	<0.2	<1
1,1-Dichloroethene	µg/l	7	0.7	<4	<4	<4	<4	<4	<4	<4	<4	<4	<0.2	<0.4	<0.4	<2
cis-1,2-Dichloroethene	µg/l	70	7	<i>14.1</i>	<i>12.2</i>	<i>26.2</i>	6.62	<i>18.9</i>	<i>11.6</i>	<2	160	<i>43.5</i>	<i>50.4</i>	3.57	2.71	6.61
trans-1,2-Dichloroethene	µg/l	100	20	3.26	2.26	<2	<2	<2	<2	2	<4	<2	4.64	0.81	0.93	<1
1,1-Dichloropropylene	µg/l	NE	NE	42.7	<3	<3	24.1	<5	19.8	61.2	<10	<5	<0.3	<0.5	<0.5	<2.5
Methylene Chloride	µg/l	5	0.5	<4	<4	<4	<4	<4	<4	<4	<8	<4	<i>0.72</i>	<0.4	<0.4	<2
1,1,1-Trichloroethane	µg/l	200	40	<2	<2	<2	<2	<2	<2	<2	<4	<2	<0.2	<0.2	<0.2	<1
1,1,2-Trichloroethane	µg/l	5	0.5	<2	<2	<2	<3	<3	<3	<2	<6	<3	<0.2	<0.3	<0.3	<1.5
Tetrachloroethene	µg/l	5	0.5	<3	27.2	11.2	<3	<3	<3	16	12.7	<3	<i>1.79</i>	<i>1.01</i>	<i>1.02</i>	<1.5
Trichloroethene	µg/l	5	0.5	<2	<2	<2	<4	<4	<4	<2	<8	<4	0.49	<0.4	<0.4	<2
1,2,3-Trichloropropane	µg/l	60	12	<6	<6	<6	<6	<6	<6	<6	<12	<6	<0.6	<0.6	<0.6	4.84
Vinyl Chloride	µg/l	0.2	0.02	<2	<2	<2	<2	<2	<2	<2	<4	<2	4.7	8.82	6.11	<1
RD Parameters																
Diss Iron	mg/l			-	18.4	10.2	6.25	5.51	2.41	-	-	-	-	-	-	-
Diss Manganese	mg/l			-	0.394	0.309	0.191	0.177	0.149	-	-	-	-	-	-	-
Diss Oxygen	mg/l			-	1.85	0.92	0.0	0.0	0.0	-	-	-	-	-	-	-
Ethane	µg/l			-	3.65	2.52	1.71	3.25	<1.4	-	-	-	1.74	-	<140	<1.4
Ethene	µg/l			-	<1.5	<150	<150	1.53	<1.5	-	-	-	<1.5	-	<150	<1.5
Methane	µg/l			-	330	9,270	13,800	11,100	9,830	-	-	-	37.9	-	14,200	8,050
ORP	mV			-	-127	-95	-111	-137	-168	-	-	-	-	-	-	-
Sulfate	mg/l			-	1.91	1.83	<1	6.86	17.3	-	-	-	-	-	-	-
Total Organic Carbon	mg/l			-	84.1	129	50.4	22.9	15.1	-	460	-	-	-	284	19.1

Notes:

1. Groundwater samples were collected by Arcadis in 2002 and 2003, and were analyzed by U.S. Analytical Lab of Kimberly, Wisconsin (October 2002), En Chem, Inc. of Green Bay, Wisconsin (April 2003) and TestAmerica Incorporated (TestAmerica) of Watertown, Wisconsin (August 2003). Samples were collected by GZA GeoEnvironmental, Inc. (GZA) in 2004 and after, and were analyzed by TestAmerica or Siemens Water Technologies Corp. of Rothschild, Wisconsin.
2. Values in *Italics* indicate concentrations greater than the Wisconsin Administrative Code (WAC) NR 140 Preventive Action Limit (PAL) and values in **BOLD** indicate concentrations greater than WAC NR 140 Enforcement Standard (ES).
3. * = Isomers of this compound must be added together for comparison to NR 140 criteria.
4. NE = not established; "-" = sample not tested for that parameter.
5. **Red** vertical line represents the time of organic carbon injection in August 2007.
6. Propylbenzene = n-Propylbenzene.
7. 4-Isopropyltoluene = p-Isopropyltoluene.
8. Butylbenzene = n-Butylbenzene.



**TABLE E-1
GROUNDWATER AND SURFACE WATER ELEVATION DATA
Former Cool City Cleaners
Two Rivers, Wisconsin**

MONITORING WELL OR RIVER LOCATION	TOP-OF-CASING OR CONTROL POINT ELEVATION (ft msl)	GROUND SURFACE ELEVATION (ft msl)	WELL SCREEN DEPTH (ft bgs)	WELL SCREEN ELEVATION (ft msl)	MEASUREMENT DATE	DEPTH TO WATER (ft btoc)	WATER TABLE ELEVATION (ft msl)
MW-1	585.74	586.39	5' - 15'	581.39 - 571.39	10/3/02	6.66	579.08
					4/9/03	7.46	578.28
					8/5/03	7.00	578.74
					9/16/04	6.40	579.34
					11/30/04	6.90	578.84
					3/21/05	6.84	578.90
					6/27/05	6.50	579.24
					9/29/05	6.91	578.83
					12/30/05	7.24	578.50
					4/25/06	6.96	578.78
					7/31/06	6.59	579.15
					7/9/07	6.87	578.87
					8/6/07 am	6.98	578.76
					8/6/07 pm	6.71	579.03
					8/7/07 am	6.92	578.82
					8/7/07 pm	6.85	578.89
					8/8/07 am	6.93	578.81
					8/8/07 pm	6.43	579.31
					9/13/07	7.12	578.62
					12/26/07	7.83	577.91
4/2/08	7.48	578.26					
6/26/08	6.48	579.26					
9/29/08	6.64	579.10					



**TABLE E-1
GROUNDWATER AND SURFACE WATER ELEVATION DATA
Former Cool City Cleaners
Two Rivers, Wisconsin**

MONITORING WELL OR RIVER LOCATION	TOP-OF-CASING OR CONTROL POINT ELEVATION (ft msl)	GROUND SURFACE ELEVATION (ft msl)	WELL SCREEN DEPTH (ft bgs)	WELL SCREEN ELEVATION (ft msl)	MEASUREMENT DATE	DEPTH TO WATER (ft btoc)	WATER TABLE ELEVATION (ft msl)
MW-2	587.00	587.38	4' - 14'	583.38 - 573.38	10/3/02	7.79	579.21
					4/9/03	8.41	578.59
					8/5/03	7.95	579.05
					9/16/04	7.30	579.70
					11/30/04	7.85	579.15
					3/21/05	7.80	579.20
					6/27/05	7.51	579.49
					9/29/05	7.87	579.13
					12/30/05	8.16	578.84
					4/25/06	7.90	579.10
					7/31/06	7.45	579.55
					7/9/07	7.74	579.26
					8/6/07 am	7.87	579.13
					8/6/07 pm	7.44	579.56
					8/7/07 am	7.80	579.20
					8/7/07 pm	7.56	579.44
					8/8/07 am	7.78	579.22
					8/8/07 pm	5.79	581.21
					9/13/07	8.01	578.99
12/26/07	8.75	578.25					
4/2/08	8.42	578.58					
6/26/08	7.38	579.62					
9/29/08	7.61	579.39					



**TABLE E-1
GROUNDWATER AND SURFACE WATER ELEVATION DATA
Former Cool City Cleaners
Two Rivers, Wisconsin**

MONITORING WELL OR RIVER LOCATION	TOP-OF-CASING OR CONTROL POINT ELEVATION (ft msl)	GROUND SURFACE ELEVATION (ft msl)	WELL SCREEN DEPTH (ft bgs)	WELL SCREEN ELEVATION (ft msl)	MEASUREMENT DATE	DEPTH TO WATER (ft btoc)	WATER TABLE ELEVATION (ft msl)
MW-3	587.07	587.53	5' - 15'	582.53 - 572.53	10/3/02	7.89	579.18
					4/9/03	8.63	578.44
					8/5/03	8.19	578.88
					9/16/04	7.66	579.41
					11/30/04	8.06	579.01
					3/21/05	8.15	578.92
					6/27/05	7.76	579.31
					9/29/05	8.18	578.89
					12/30/05	8.44	578.63
					4/25/06	8.26	578.81
					7/31/06	7.82	579.25
					7/9/07	8.03	579.04
					8/6/07 am	8.17	578.90
					8/6/07 pm	8.11	578.96
					8/7/07 am	8.11	578.96
					8/7/07 pm	8.08	578.99
					8/8/07 am	8.13	578.94
					8/8/07 pm	8.05	579.02
					9/13/07	8.23	578.84
					12/26/07	8.93	578.14
4/2/08	8.68	578.39					
6/26/08	7.73	579.34					
9/29/08	7.88	579.19					



**TABLE E-1
GROUNDWATER AND SURFACE WATER ELEVATION DATA
Former Cool City Cleaners
Two Rivers, Wisconsin**

MONITORING WELL OR RIVER LOCATION	TOP-OF-CASING OR CONTROL POINT ELEVATION (ft msl)	GROUND SURFACE ELEVATION (ft msl)	WELL SCREEN DEPTH (ft bgs)	WELL SCREEN ELEVATION (ft msl)	MEASUREMENT DATE	DEPTH TO WATER (ft btoc)	WATER TABLE ELEVATION (ft msl)
MW-4	587.29	587.69	4' - 14'	583.69 - 573.69	10/3/02	7.89	579.40
					4/9/03	8.58	578.71
					8/5/03	8.12	579.17
					9/16/04	7.56	579.73
					11/30/04	7.97	579.32
					3/21/05	8.13	579.16
					6/27/05	7.76	579.53
					9/29/05	8.06	579.23
					12/30/05	8.39	578.90
					4/25/06	8.12	579.17
					7/31/06	7.70	579.59
					7/9/07	7.91	579.38
					8/6/07 am	8.08	579.21
					8/6/07 pm	7.94	579.35
					8/7/07 am	8.01	579.28
					8/7/07 pm	7.93	579.36
					8/8/07 am	7.98	579.31
					8/8/07 pm	7.83	579.46
					9/13/07	8.32	578.97
					12/26/07	8.82	578.47
4/2/08	8.58	578.71					
6/26/08	7.55	579.74					
9/29/08	7.84	579.45					



**TABLE E-1
GROUNDWATER AND SURFACE WATER ELEVATION DATA
Former Cool City Cleaners
Two Rivers, Wisconsin**

MONITORING WELL OR RIVER LOCATION	TOP-OF-CASING OR CONTROL POINT ELEVATION (ft msl)	GROUND SURFACE ELEVATION (ft msl)	WELL SCREEN DEPTH (ft bgs)	WELL SCREEN ELEVATION (ft msl)	MEASUREMENT DATE	DEPTH TO WATER (ft btoc)	WATER TABLE ELEVATION (ft msl)
MW-5	593.58	593.99	10' - 20'	583.99 - 573.99	10/3/02	13.50	580.08
					4/9/03	14.36	579.22
					8/5/03	13.71	579.87
					9/16/04	13.16	580.42
					11/30/04	13.65	579.93
					3/21/05	13.87	579.71
					6/27/05	13.01	580.57
					9/29/05	13.43	580.15
					12/30/05	13.80	579.78
					4/25/06	13.35	580.23
					7/31/06	12.89	580.69
					7/9/07	13.02	580.56
					8/6/07 am	13.43	580.15
					8/6/07 pm	13.41	580.17
					8/7/07 am	13.42	580.16
					8/7/07 pm	13.25	580.33
					8/8/07 am	13.63	579.95
					8/8/07 pm	13.32	580.26
					9/13/07	13.48	580.10
					12/26/07	14.36	579.22
4/2/08	14.21	579.37					
6/26/08	12.92	580.66					
9/29/08	13.45	580.13					



**TABLE E-1
GROUNDWATER AND SURFACE WATER ELEVATION DATA
Former Cool City Cleaners
Two Rivers, Wisconsin**

MONITORING WELL OR RIVER LOCATION	TOP-OF-CASING OR CONTROL POINT ELEVATION (ft msl)	GROUND SURFACE ELEVATION (ft msl)	WELL SCREEN DEPTH (ft bgs)	WELL SCREEN ELEVATION (ft msl)	MEASUREMENT DATE	DEPTH TO WATER (ft btoc)	WATER TABLE ELEVATION (ft msl)
MW-6	595.95	596.30	10' - 20'	586.30 -576.30	9/16/04	15.81	580.14
					11/30/04	16.35	579.60
					3/21/05	16.49	579.46
					6/27/05	15.68	580.27
					9/29/05	16.09	579.86
					12/30/05	16.46	579.49
					4/25/06	16.06	579.89
					7/31/06	15.58	580.37
					7/9/07	15.82	580.13
					8/6/07 am	16.13	579.82
					8/6/07 pm	14.40	581.55
					8/7/07 am	16.32	579.63
					8/7/07 pm	15.91	580.04
					8/9/07 am	16.00	579.95
					8/9/07 pm	15.81	580.14
					9/13/07	16.22	579.73
					12/26/07	16.97	578.98
4/2/08	17.03	578.92					
6/26/08	15.62	580.33					
9/29/08	16.08	579.87					



**TABLE E-1
GROUNDWATER AND SURFACE WATER ELEVATION DATA
Former Cool City Cleaners
Two Rivers, Wisconsin**

MONITORING WELL OR RIVER LOCATION	TOP-OF-CASING OR CONTROL POINT ELEVATION (ft msl)	GROUND SURFACE ELEVATION (ft msl)	WELL SCREEN DEPTH (ft bgs)	WELL SCREEN ELEVATION (ft msl)	MEASUREMENT DATE	DEPTH TO WATER (ft btoc)	WATER TABLE ELEVATION (ft msl)
MW-7	586.11	586.60	3' - 13'	583.60 - 573.60	9/16/04	6.85	579.26
					11/30/04	7.33	578.78
					3/21/05	7.23	578.88
					6/27/05	6.92	579.19
					9/29/05	7.33	578.78
					12/30/05	7.61	578.50
					4/25/06	7.35	578.76
					7/31/06	6.91	579.20
					7/9/07	7.84	578.27
					8/6/07 am	7.38	578.73
					8/6/07 pm	6.23	579.88
					8/7/07 am	7.35	578.76
					8/7/07 pm	7.30	578.81
					8/8/07 am	7.41	578.70
					8/8/07 pm	7.05	579.06
					9/13/07	7.55	578.56
					12/26/07	8.24	577.87
4/2/08	7.90	578.21					
6/26/08	6.88	579.23					
9/29/08	7.01	579.10					
IP-7	587.17	587.29	9' - 14'	578.29 - 573.29	9/13/07	8.09	579.08
					12/26/07	8.77	578.40
					4/2/08	8.48	578.69
					6/26/08	7.53	579.64
					9/29/08	7.72	579.45
IP-15	587.06	587.15	3' - 8'	584.14 - 579.15	9/13/07	DRY	<579.23
					12/26/07	DRY	<579.23
					4/2/08	DRY	<579.23
					6/26/08	6.86	580.20
					9/29/08	7.31	579.75



**TABLE E-1
GROUNDWATER AND SURFACE WATER ELEVATION DATA
Former Cool City Cleaners
Two Rivers, Wisconsin**

MONITORING WELL OR RIVER LOCATION	TOP-OF-CASING OR CONTROL POINT ELEVATION (ft msl)	GROUND SURFACE ELEVATION (ft msl)	WELL SCREEN DEPTH (ft bgs)	WELL SCREEN ELEVATION (ft msl)	MEASUREMENT DATE	DEPTH TO WATER (ft btoc)	WATER TABLE ELEVATION (ft msl)
IP-17	586.57	586.73	3.5' - 8.5'	583.23 - 578.23	9/13/07	7.64	578.93
					12/26/07	8.30	578.27
					4/2/08	8.00	578.57
					6/26/08	7.02	579.55
					9/29/08	7.24	579.33
Point A (Control point for water surface elevation of West Twin River - See Figure 3)	584.49	NA	NA	NA	10/3/02	5.90	578.59
					4/9/03	7.00	577.49
					8/5/03	6.30	578.19
					11/30/04	6.10	578.39
					3/21/05	6.01	578.48
					6/27/05	5.61	578.88
					9/29/05	6.28	578.21
					12/30/05	6.45	578.04
					4/25/06	6.24	578.25
					7/31/06	5.91	578.58
6/26/08	5.74	578.75					

Notes:

1. Monitoring well construction details for wells MW-1 through MW-6 were reported by Arcadis in their December 2003 Site Investigation and Remedial Action Options Report.
2. Monitoring wells MW-6 and MW-7 were installed by Wisconsin Soil Testing for GZA GeoEnvironmental, Inc. (GZA) on September 14, 2004.
3. Monitoring wells IP-7, IP-15 and IP-17 were installed by Soil Essentials (IP-7 and IP-15) and GZA (IP-17) in July and August 2007.
4. ft msl = feet above mean sea level.
5. ft bgs = feet below ground surface.
6. ft btoc = feet below top-of-casing.
7. NA = Not applicable.