State of Wisconsin
Department of Natural Resources
P.O. Box 7921, Madison, WI 53707-7921

GIS REGISTRY (Cover Sheet)

Form 4400-280 (R 7/12)

Source Property Information

CLOSURE DATE: Sep 10, 2012

BRRTS #: 02-60-248337 (No Dashes)

FID #: 460010320

ACTIVITY NAME: Twin Brook Cleaners Inc

DATCP #:

PROPERTY ADDRESS: 633 Eastern Ave

PECFA#:

MUNICIPALITY: Plymouth

PARCEL ID #: 59271821870

***WTM COORDINATES:**

X: **683244** Y: **365776**

** 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:

- [X] Groundwater Contamination > ES *(236)*
  - [ ] Contamination in ROW
  - [ ] Off-Source Contamination

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

Continuing Obligations:

- [ ] 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)*
- [X] Cover or Barrier *(222)*

  (***note:*** *maintenance plan for groundwater or direct contact)*
- [X] Vapor Mitigation *(226)*
- [ ] Maintain Liability Exemption *(230)*

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

Note: *Comments will not print out.*

Monitoring Wells:

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

(•) Yes ( ) No ( ) N/A

** Residual Contaminant Level*
***Site Specific Residual Contaminant Level*

State of Wisconsin
Department of Natural Resources
http://dnr.wi.gov

PLEASE ASSEMBLE IN THIS ORDER

GIS Registry Checklist

Form 4400-245 (R 8/11)

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 #: 02-60-248337 *(No Dashes)* PARCEL ID #: 59271821870

ACTIVITY NAME: Twin Brook Cleaners Inc WTM COORDINATES: X: 683244 Y: 365776

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

- [X] **Closure Letter**
- [X] **Maintenance Plan** (*if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.*)
- [ ] **Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- [X] **Conditional Closure Letter**
- [ ] **Certificate of Completion (COC)** (for VPLE sites)

SOURCE LEGAL DOCUMENTS

- [X] **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 #: **Title:**
- [X] **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 11 x 17 inches unless the map is submitted electronically.

- [X] **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 #: 1 **Title: Site Location And Local Topography**
- [X] **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 #: 2 **Title: Site Layout & Sample Locations**
- [X] **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 #: 3 **Title: Remaining In-Place Soil Chemistry**

BRRTS #: 02-60-248337 ACTIVITY NAME: Twin Brook Cleaners Inc

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 #: 4 **Title: East/West Cross Section A-A'**

Figure #: 5 **Title: North/South 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 #: 6 **Title: Recent Groundwater Chemistry**

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

Figure #: 6 **Title: Recent Groundwater Chemistry**

Figure #: **Title:**

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

Tables must be no larger than 11 x 17 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 #: 1 **Title: Soil Analytical Results - Detected VOC Parameters**

☒ **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 #: 2 **Title: Groundwater Analytical Results - Selected VOC Parameters**

☒ **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 #: 3 **Title: Survey and Water Level 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).

BRRTS #: 02-60-248337 ACTIVITY NAME: Twin Brook Cleaners Inc

NOTIFICATIONS

Source Property

☒ **Not Applicable**

☐ **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.

☒ **Not Applicable**

☐ **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.*

☐ **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 #: **Title:**

☐ **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
Plymouth Service Center
1155 Pilgrim Rd
Plymouth, WI 53073
FAX 920-892-6638

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

September 10, 2012

Mrs. Marilyn Berlin
W2626 Miley Road
Sheboygan Falls, WI 53085

KEEP THIS DOCUMENT WITH YOUR PROPERTY RECORDS

Subject: Final Case Closure with Continuing Obligations
Twin Brook Cleaners, 633 Eastern Ave, Plymouth, Wisconsin
BRRTS Activity # 02-60-248337, FID 460010320

Dear Mrs. Berlin:

The Department of Natural Resources (DNR) considers Twin Brook Cleaners, 633 Eastern Ave, Plymouth, Wisconsin BRRTS Activity # 02-60-248337 closed with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and the attached maintenance plan to anyone who purchases this property from you.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wisconsin Administrative Code. The Northeast Region Closure Committee reviewed the request for closure on August 17, 2012. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. The Department received documentation regarding the conditions of closure (well abandonment) on September 7, 2012.

The Department reviewed the case closure request regarding the Perchloroethylene (PCE) contamination on the site from leakage of a former dry cleaning unit (removed) at Twin Brook Cleaners, 633 Eastern Ave, Plymouth, Wisconsin. In summary, the source property was a dry cleaning facility. Remedial actions included: installation of two vapor mitigation systems, cap and floor maintenance, and natural attenuation monitoring of groundwater. 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 any future property owners must comply with certain continuing obligations as explained in this letter. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details are found in a subsequent section titled Closure Conditions.

1. Groundwater contamination is present above ch. NR 140 enforcement standards.
2. Residual soil contamination exists that must be properly managed should it be excavated or removed.
3. This property may not be used or developed for a residential, agricultural or other non-commercial use, unless prior written approval has been obtained from the DNR.
4. Pavement and/floor must be maintained over the remaining contaminated soil and the state must approve any changes to this pavement.
5. The vapor mitigation system must be operated and maintained, and inspections must be documented
6. Remaining soil contamination could result in vapor intrusion if future construction activities occur in the cap & floor maintenance areas. If new building construction is planned in these areas, an assessment must be made of whether the closure is still protective or whether building control technologies are appropriate.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible GIS Registry, to provide notice of residual contamination and of any continuing obligations. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry in a PDF attachment. 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. All site information is also on file at the DNR Oshkosh Service Center located at 625 E. County Road Y, Oshkosh, WI.

*[**NOTE**: If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval, in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at http://dnr.wi.gov/org/water/dwq/3300254.pdf or at the web address listed below for the GIS Registry.]*

Prohibited Activities

Certain activities are prohibited at your closed site because maintenance of the pavement is intended to prevent contact with any remaining contamination. When pavement is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where pavement is required as shown on the attached map, unless **prior** written approval has been obtained from the DNR:

- removal of the existing pavement;
- replacement with another pavement;
- excavating or grading of the land surface;
- filling on paved areas;
- construction or placement of a foundation or other structure requiring excavation;
- changing the use or occupancy of the property to certain uses, such as single or multiple-family residences, a day care, senior center, hospital, or for a similar sensitive population.

- changing the construction of a building that has either a passive or active vapor mitigation system in place.

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which the current property owner and any subsequent property owners must adhere. If these requirements are not followed, the DNR 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. 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, this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code.

DNR staff will conduct periodic inspections to ensure that the conditions included in this letter and the attached maintenance plans are met.

1. Residual Groundwater Contamination (ch. NR 140, Wis. Adm. Code)

Groundwater contamination, greater than enforcement standards, is present on this contaminated property, as shown on the **attached map – Figure 6**. DNR approval prior to well construction or reconstruction is required for all sites with residual contamination, shown on the GIS Registry.

2. Residual Soil Contamination (ch. NR 718, or ch. 289, Stats.; chs. 500 to 536, Wis. Adm. Code)
Residual soil contamination remains at depth as indicated on the **attached map – Figure 3**. 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 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.

3. Cover or Barrier (s. 292.12(2)(a), Wis. Stats)
The pavement, building, or other impervious cover that exists in the location shown on the attached map shall be maintained in compliance with the attached maintenance plan 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.

Pavement or barrier for industrial land uses, or certain types of commercial land uses may not be protective if use of the property were to change such that a residential exposure would apply. This may include, but is not limited to single or multiple family residences, a school, day care, senior center, hospital or similar settings. Before using the property for such purposes, you must notify the DNR to determine if additional response actions are warranted.

A request may be made to modify or replace the pavement. The replacement or modified pavement must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation.

4. Cap Maintenance Plan

The pavement and floor that exists in the location shown on the attached map shall be maintained in compliance with the **attached maintenance plan** 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.

The **attached maintenance plan and inspection log** are to be kept up-to-date and on-site. Submit the inspection log to the DNR only upon request.

5. Vapor Evaluation

Vapor intrusion is the movement of vapors coming from volatile chemicals in the soil or groundwater, into buildings where people may breathe air contaminated by the vapors. Vapor mitigation systems are used to interrupt the pathway, thereby reducing or preventing vapors from moving into the building.

Soil vapor beneath the building contains chlorinated VOCs at levels that would pose a long-term risk to human health, if allowed to migrate into an occupied building on the property. The vapor mitigation system, installed in October 2011, must be operated, maintained and inspected in accordance with the **attached maintenance plan**. System components must be repaired or replaced immediately upon discovery of a malfunction. Annual inspections and any system repairs must be documented in the inspection log. The inspection log shall be kept up-to-date and on-site. Submit the inspection log to the DNR only upon request.

The integrity of the building floor that exists on the property, shown on the attached map, must be maintained in compliance with the **attached maintenance plan**. This will help ensure proper functioning of the vapor mitigation system, limiting vapor intrusion to indoor air spaces.

Soil vapor beneath the building is at levels that would pose a long-term risk to human health, if allowed to migrate into an occupied building where residential exposures would apply, such as single or multiple family residences, a school, day care, senior center, hospital or other similar residential exposure settings.

Therefore, if changes in property use or occupancy to a residential exposure setting are planned, the property owner must notify the DNR and evaluate the concentrations of contaminants that remain in the soil vapor beneath the building. Additional response actions may be necessary.

Depending on site-specific conditions, 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. Currently the source area is paved, which acts as a cap for groundwater protection. Before a building is constructed on the source area in the future,

the property owner must notify the DNR and assess whether the closure conditions are still protective or whether building control technologies are warranted.

CONCLUSION

The following DNR fact sheet, "Continuing Obligations for Environmental Protection", RR-819, was included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain a copy at http://dnr.wi.gov/org/aw/rr/archives/pubs/RR819.pdf.

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.

The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Christine Lilek at (920) 892-8756, extension 3025.

Sincerely,

Roxanne J. Chronnert

Roxanne Chronnert, Team Supervisor
Northeast Region Remediation & Redevelopment Program

Attachments:

- Remaining groundwater contamination map (Figure 6)
- Remaining soil contamination map (Figure 3)
- Extent of cap map (Figure 8)
- Map for soils meeting SSRCL standards (Figure 3)
- Cap & Vapor Mitigation Maintenance plan
- RR 819

cc: Cathy Burrow - Dry Cleaner Environmental Fund Manager
Ken Ebbott & Megan Hansen – Alpha Terra Science
Jean Amel - Broker Executive, Premier Properties
SER CASE FILE

STAHLMAN PROPERTY
607 Eastern Avenue

BRIDGE OVER
MULLET RIVER

MULLET RIVER
FLOW

N

EASTERN AVENUE

COLLINS STREET

Bike Path

Hill

Groundwater above
NR 140 PCE Enforcement Standard

GP14

GP15

Woods

Hill

L.P.

MW-10
11/1/2011
PCE 6.7++
TCE 4.7+
cis 6.0
4/2/2012
PCE 3.4+
TCE 2.0+
cis 3.3

MW-7
11/1/2011
PCE 263++
TCE 2.85+
cis <0.83
4/2/2012
PCE 283++
TCE 4.8+
cis <1.7

Asphalt Cap

Approximate Property Line

Sidewalk

Grass

Sign Pole (Electric)

MW-3
11/1/2011
PCE <0.45
TCE <0.48
cis <0.83

Woods / Steep Slope

MW-11 PZ-12

MW-8
Hill
11/1/2011
PCE 42.0++
TCE <0.48
cis <0.83

Grass

PZ-13
11/1/2011
PCE 0.94+
TCE <0.48
cis <0.83

MW-4
11/1/2011
PCE 4.1+
TCE <0.48
cis <0.83

Asphalt Cap

Canopy

Door

HA3

MW-2
11/1/2011
PCE 16.7++
TCE 0.88+
cis <0.83

11/1/2011
PCE 1.9+
TCE <0.48
cis <0.83

GP-2

PZ-5

B-9

MW-1
11/1/2011
PCE 50.4++
TCE <0.48
cis <0.83

Woods

Hill

HA2

HA7

MW-6
11/1/2011
PCE 3.9+
TCE <0.48
cis <0.83

Asphalt Cap

Door

TWIN BROOK CLEANERS
633 EASTERN AVE.

MW-9
Hill
11/1/2011
PCE 5.0++
TCE <0.48
cis <0.83

Groundwater above
NR 140 PCE Enforcement Standard

Woods / Steep Slope

Grass

Conc Pad

HA6

Concrete Cap

Grass

GP-1

HA5

Dry Clean Machine

Concrete Cap

HA1

HA4

Boiler Room

Gas Meter

Woods

Grass

Approximate Property Line

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

Wells Abandoned 9/28/2011

11/1/2011 Sample Date
PCE 25 ++ Tetrachloroethene (ug/L)
TCE 3.3 + Trichloroethene (ug/L)
cis 1.4 cis 1,2-Dichloroethene (ug/L)

++ Exceeds NR 140 Enforcement Standard
\+ Exceeds NR 140 Preventive Action Limit

Note: 11/1/2011 MW-7 run as duplicate, results average of both samples

Groundwater Flow

20 10 0 20

Recent Groundwater Chemistry				
TWIN BROOK CLEANERS, PLYMOUTH, WI				
	DATE	DESCRIPTION	APPVD	
	02/12/10		KAE	DWG #:, basemap.skf
		SCALE: 1" = 20'		FIGURE 6

ALPHA TERRA SCIENCE

BRIDGE OVER
MULLET RIVER

STAHLMAN PROPERTY
607 Eastern Avenue

MULLET RIVER
FLOW

N

Bike Path

Hill

Woods

Hill

GP14
10-12'
DRO 6.4
PCE 493+
TCE <29
cis <29

MW-10
2-4'
Saturated Sample
PCE 58
TCE <31
cis <31

L.P.

GP15
10-12'
DRO <6.9
CVOC <30

2-4'
DRO 17
PCE 2860+
TCE <29
cis <29

MW-7

10-12'
DRO 178+
PCE 4230+
TCE <28
cis <28

Asphalt
Cap

Estimated Extent of PCE
in Soil > RCL

Approximate Property Line

Sidewalk

Grass

EASTERN AVENUE

Sign Pole
(Electric)

2-4.5'
PCE <28
TCE <28
cis <28

22-24'
PCE <30
TCE <30
cis <30

MW-11

PZ-12

Estimated Extent of
PCE in Soil > RCL
Woods /
Steep Slope

MW-3
11-13'
DRO <5.9
CVOC <30
25-26'
DRO <5.6
CVOC <28

MW-8
Hill
4-6'
Saturated Sample
DRO <5.4
PCE 1610+
TCE <27
cis <27

13.6-14'
Saturated Sample
PCE <28
TCE <28
cis 38

Grass

MW-4

PZ-13

Asphalt
Cap

17-19'
DRO <6.1
PCE 184+
36-38'
DRO <5.5
CVOC <27

3-5'
DRO 14
PCE 1670+
TCE 263+
11-13'
DRO 768+
PCE 2810+

Canopy

Door

12-14'
DRO 140+
PCE 6000+
TCE 260+
cis 140+

HA3
0.5'
PCE <35
CVOC <35

MW-2
23-24'
DRO <5.7
CVOC <29

11-12'
DRO <6.0
PCE 320
TCE 53
39-40'
DRO <5.3
CVOC <26

GP-2

PZ-5

MW-1
GP-2/MW-1
12-14'
PCE 110+
cis 1200+

Door

Estimated Extent of PCE
in Soil > RCL

HA7
0.4-0.6'
DRO <3.8
PCE 75

TWIN BROOK
CLEANERS
633 EASTERN AVE.

Asphalt
Cap

MW-6
12-14'
DRO <5.4
CVOC <27

Hill

HA2
2.5'
Saturated Sample
PCE 115+
TCE <37
cis <37

B-9
4-6'
DRO 16
PCE 2040+
TCE 97
cis <28
14-16'
DRO <5.4
PCE 300+
TCE <30
cis <30

Woods / Steep Slope

Grass

Conc
Pad

GP-1
10-12'
PCE 88
TCE 93
cis 170

HA5
0.5-0.8'
DRO 160+
PCE 130+

HA6
0.4-0.6'
DRO <3.9
PCE 69

Concrete
Cap

Concrete
Cap

Grass

MW-9
Hill
2.25-4'
Saturated Sample
PCE <33
CVOC <33

HA1
2'
PCE <33
TCE <33
cis <33

Dry Cleaning
Machinery

HA4
0.4-1'
DRO <4.1
PCE 45

Boiler
Room

Gas
Meter

Woods

COLLINS STREET

Approximate Property Line

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

Wells Abandoned 9/28/2011

11-13' Soil Sample Depth
DRO <5.9 Diesel Range Organics
PCE <30 Tetrachloroethene — All Units ug/kg
TCE <30 Trichloroethene — except DRO mg/kg
cis <30 cis 1,2-Dichloroethene
CVOC <33 Chlorinated VOCs (PCE, TCE, DCE)
+ **BOLD** Exceeds Site-Specific
Residual Contaminant Level
NOTE: Soil samples obtained 1999, 2003, 2004, and 2006

Remaining In-Place
Soil Chemistry
TWIN BROOK CLEANERS, PLYMOUTH, WI

	DATE	DESCRIPTION	APPVD	
	02/12/10		KAE	DWG #... basemap.skf
		SCALE: 1" = 20'		FIGURE 3

ALPHA TERRA SCIENCE

STAHLMAN PROPERTY
607 Eastern Avenue

MULLET RIVER
FLOW

BRIDGE OVER
MULLET RIVER

EASTERN AVENUE

COLLINS STREET

N

M.H.
8" Sanitary
C.B.
M.H.
19.05'
C.B.
18" Storm Sewer
L.P.
L.P.
Underground Electric
12" Water Line
Hydrant
C.B.
8" Sanitary
M.H.
6.12'
M.H
5.14'
L.P.
Bike Path
Hill
GP14
GP15
Woods
Hill
MW-10
L.P.
MW-7
ASPHALT CAP
Asphalt
Cap
Overhead Electric
Sanitary Lateral
(assumed flow)
Approximate Property Line
Sidewalk
Grass
Sign Pole
(Electric)
P.P.
MW-11
PZ-12
MW-8
L.P.
Hill
MW-3
Woods /
Steep Slope
Grass
PZ-13
MW-4
ASPHALT CAP
Canopy
Asphalt
Cap
Underground Electric
Asphalt
Cap
L.P.
P.P.
HA3
MW-2
ASPHALT CAP
Door
HA7
MW-6
Overhead Electric
Hill
HA2
Woods
B-9
GP-2
PZ-5
MW-1
TWIN BROOK
CLEANERS
633 EASTERN AVE.
CONCRETE
CAP
Door
Water Line
C.B.
M.H.
C.B.
MW-9
Hill
Grass
Conc
Pad
GP-1
HA6
Concrete
Cap
Grass
Woods / Steep Slope
VAPOR
MITIGATION
SYSTEM A
VAPOR
MITIGATION
SYSTEM B
HA5
HA1
Concrete
Cap
Dry Clean
Machine
OHE
HA4
Boiler
Room
Gas
Meter
Woods
P.P.
Overhead Electric
Gas Service
L.P.
Approximate Property Line
Water Line
8" Sanitary

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

Wells Abandoned 9/28/2011

EXTENT OF CONCRETE OR ASPHALT CAP

CAP AREA AND
VAPOR MITIGATION SYSTEMS
TWIN BROOK CLEANERS, PLYMOUTH, WI

	DATE	DESCRIPTION	APPVD
	02/12/10		KAE

SCALE: 1" = 20'

ALPHA TERRA SCIENCE

DWG #... basemap.skf

FIGURE 8

CAP AND
VAPOR MITIGATION SYSTEM
MAINTENANCE PLAN

June 28, 2012

Property Located at:

633 Eastern Avenue, Plymouth, WI 53073

WDNR BRRTS #s: 02-60-248337

Legal Description: **Part of the SE ¼ SW ¼ of Section 22 AND part of the NE ¼ NW ¼ of Section 27, Township 15 North, Range 21 East, City of Plymouth, Sheboygan County, Wisconsin, described as: Commencing at the SE Corner of Lot 1, Mead's Addition to the City of Plymouth, thence North to the center of the Mullet River, thence Northerly along the center of Mullet River to the South line of Eastern Avenue; thence SE on Eastern Avenue to North line of Collins Street, thence SW on Collins Street to point of beginning, SUBJECT TO highway conveyance as recorded in Volume 765 Records, Page 2.**

Parcel ID #: 59271821870

City of Plymouth, Sheboygan County, Wisconsin

Introduction

This document is the Maintenance Plan for a pavement and building barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code.

The maintenance activities relate to the existing buildings and paved surfaces over the contaminated groundwater plume and soil on-site. It also includes requirements for inspection and continued operation of the existing subslab vapor mitigation systems. The vapor mitigation systems consists of two subfloor extraction points and powered fans that withdraw air from beneath the 633 Eastern Avenue building (Figure 1 and Figure 2).

More site-specific information about this property may be found in:

- The case file in the DNR Northeast Region Plymouth Service Center office
- BRRTS on the Web (DNR's internet-based data base of contaminated sites at http://botw.dnr.state.wi.us/botw/SetUpBasicSearchForm.do

- GIS Registry PDF file for further information on the nature and extent of contamination: http://dnrmaps.wisconsin.gov/imf/imfApplyTheme.jsp?index=1 and

- The DNR Project Manager for this site in Sheboygan County, currently Ms. Chris Lilek at (920) 892-8756

Description of Contamination

Soil contaminated by tetrachloroethene is located beneath the building floor and surrounding area on the 633 Eastern Avenue former dry cleaning facility. The soil contamination is present at a depth of approximately 0.3 to 20 feet below grade and extends slightly below the water table surface (Figure 3, 4, 5). Contaminated soil is not known to be present beneath the eastern building floor or the asphalt parking lot to the east.

Groundwater contaminated by tetrachloroethene is located at the water table surface at a depth of approximately 20 feet below grade on the 633 Eastern Avenue commercial property. Groundwater contamination extends to the west to the Mullet River, where the depth to groundwater is only approximately two to four feet below grade. The extent and concentration of contaminated groundwater is displayed on Figure 6.

Description of the Cover and Vapor Mitigation System to be Maintained

The locations of the paved surfaces or other impervious barriers to be maintained in accordance with this Maintenance Plan are identified on Figure 8, and include the concrete floor of the building at 633 Eastern Avenue and the surrounding asphalt parking lot.

These barriers over contaminated soil serve as a partial infiltration barrier to minimize additional soil-to-groundwater contaminant migration that could further violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. The impervious cover over the contaminated soil also serves as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

The vapor mitigation system layout is shown on Figure 8 and consists of two 3-inch diameter pipes through the building floor that have been plumbed to two separate vapor ports (A and B) located beneath the 633 Eastern Avenue building subfloor. Two system were needed due to the uneven elevation of the building floor, with an approximate three foot lower floor surface in the southwest corner of the building. To recover vapors from the subslab across the structure, two systems (A and B) were installed. Each floor penetrating pipe is connected to an operating electric fan that withdraws air from the subfloor and exhausts the air directly outside through the roof or wall. The fan serves to

prevent the migration into the building of subfloor air that may contain tetrachloroethene or degradation products.

Annual Inspections

The asphalt and building floor overlying contaminated soil and groundwater as depicted on Figure 8 will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks, erosion channels, and other potential problems that may allow additional direct contact or infiltration of precipitation through the underlying contaminated material. The inspections will be performed by the property owner to evaluate any damage due to settling, exposure to the weather, wear from traffic, increasing age, or other factors. Any area where soils have become or are 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 A, Cap Inspection 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 shall be kept on-site and presented to the Wisconsin Department of Natural Resources ("WDNR") upon request, unless otherwise directed in the case closure letter.

The two vapor mitigation system components will also require annual inspection. The inspections will be performed by the property owner to evaluate fan operation and check for damage to the visible system components. Verification of fan operation, and any pipe or duct penetrations or leaking will be documented. If leaks are detected, or the fan is not operating, corrections will be made immediately to rectify the situation and keep the system operating properly.

A log of the inspections and any repairs will be maintained by the property owner and is included as Exhibit B, Vapor Mitigation System Log. The log will document completed repairs. A copy of the inspection log shall be kept on-site and presented to the Wisconsin Department of Natural Resources ("WDNR") upon request, unless otherwise directed in the case closure letter.

Maintenance Activities

If problems are noted during the annual inspections of the cap or at any other time during the year, repairs will be scheduled as soon as practical. Repairs to the cap may include patching and filling operations 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 potential for 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 overlying the contaminated 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 Maintenance Plan unless indicated otherwise by the WDNR or its successor.

If problems are noted during the annual inspections of the vapor mitigation system or at any other time during the year, repairs will be completed as soon as possible to minimize the potential for exposure of building occupants to the subfloor vapors. If fan failure occurs, the fan must be replaced and operation of the vapor mitigation system must continue. If desired at some point in the future, the vapor mitigation system may be able to be converted to a passive vent without a powered fan. Testing to document maintenance of the indoor air quality would be necessary before permanent conversion to a passive system would be permitted.

The property owner, in order to maintain the integrity of the paved surfaces and operation of the vapor mitigation system, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Cover or Cap

The following activities are prohibited on any portion of the property where pavement 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; or 6) construction or placement of a building or other structure.

Amendment or Withdrawal of Maintenance Plan

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

Contact Information

Current as of June 28, 2012

Site Owner: Ms. Marilyn Berlin
W2626 Miley Road
Sheboygan Falls, WI 53085
(920) 467-2756

Consultant: Alpha Terra Science
1237 Pilgrim Road
Plymouth, WI 53073
(920) 892-2444
Attn: Mr. Kendrick Ebbott

WDNR: Wisconsin Department of Natural Resources
1155 Pilgrim Road
Plymouth, WI 53073
(920) 892-8756
Attn: Ms. Chris Lilek, Hydrogeologist, RR Program

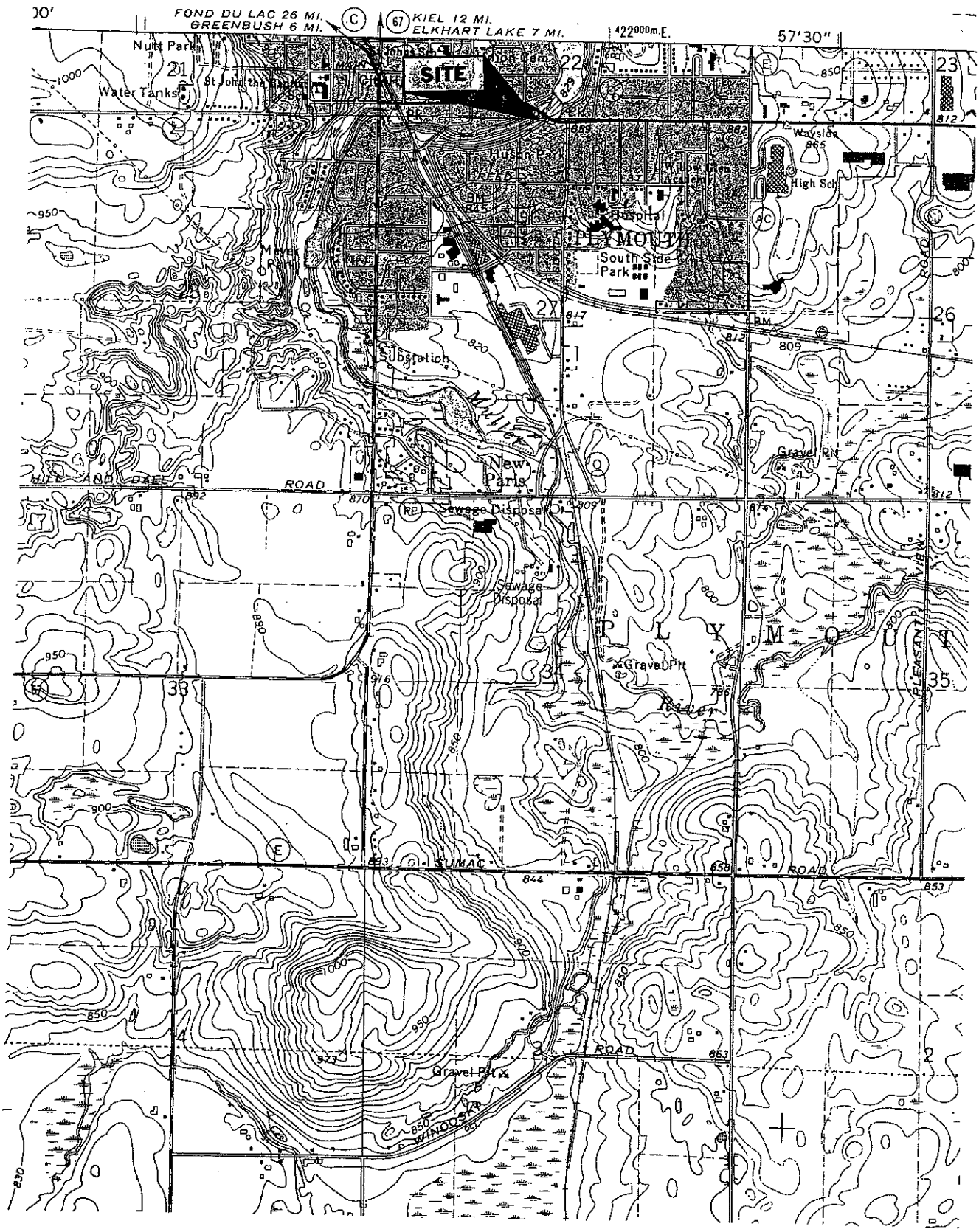
Attachments:
Exhibit A: Barrier Inspection and Maintenance Log
Exhibit B: Vapor Mitigation System Inspection and Maintenance Log
Figure 1: Site Location and Local Topography
Figure 2: Site Layout and Zample Locations
Figure 3: Remaining In Place Soil Chemistry
Figure 4: East West Cross Section A-A'
Figure 5: North / South Corss Section B-B'
Figure 6: Recent Groundwater Chemistry
Figure 8: Cap Area and Vapor Mitigation Systems

EXHIBIT A: BARRIER INSPECTION AND MAINTENANCE LOG

Inspection Date	Inspector	Condition of Cap	Recommendations	Have Previous Recommended Maintenance Actions Been Implemented?

EXHIBIT B: VAPOR MITIGATION SYSTEM INSPECTION AND MAINTENANCE LOG

Inspection Date	Inspector	Fan Operating?	Duct / Piping/ Connections Intact?	Recommendations	Have Previous Recommended Maintenance Actions Been Implemented?



Base Map USGS
Plymouth South
7.5' Topographic Map,
Photorevised 1994

SITE LOCATION AND LOCAL TOPOGRAPHY				
TWIN BROOK CLEANERS, PLYMOUTH, WI				
	DATE	DESCRIPTION	APPVD	ALPHA TERRA SCIENCE
				DATE: 6/27/03 DWG #: altaloc.sld
		SCALE: 1:24,000		APPROVED: KAE FIGURE 1

STAHLMAN PROPERTY
607 Eastern Avenue

BRIDGE OVER
MULLET RIVER

MULLET RIVER
FLOW

EASTERN AVENUE

COLLINS STREET

TWIN BROOK
CLEANERS
633 EASTERN AVE.

VAPOR
MITIGATION
SYSTEM A

VAPOR
MITIGATION
SYSTEM B

M.H.
C.B.
M.H.
M.H.
19.05'
C.B.
8" Sanitary
18" Storm Sewer
12" Water Line
Hydrant
C.B.
8" Sanitary
M.H.
6.12'
M.H
5.14'
L.P.
Hill
L.P.
GP14
Underground Electric
GP15
L.P.
Sidewalk
Grass
Approximate Property Line
Sanitary Lateral
(assumed flow)
Sign Pole
(Electric)
Underground Electric
Asphalt
Cap
L.P.
Bike Path
Underground Electric
MW-10
Woods
Hill
L.P.
Overhead Electric
MW-7
Asphalt
Cap
P.P.
MW-3
MW-11
PZ-12
L.P.
Hill
MW-8
Woods /
Steep Slope
Grass
Asphalt
Cap
PZ-13
MW-4
Canopy
P.P.
HA3
MW-2
Overhead Electric
Hill
HA2
Woods
B-9
GP-2
PZ-5
MW-1
HA7
Door
VP-A
MW-6
Door
Grass
Conc
Pad
GP-1
HA6
VP-B
Concrete
Cap
Water Line
Grass
C.B.
M.H.
C.B.
Woods / Steep Slope
MW-9
Hill
HA5
VP-C
HA1
Dry Clean
Machine
Concrete
Cap
Drain
HA4
Boiler
Room
Woods
Grass
Gas
Meter
P.P.
Overhead Electric
Gas Service
L.P.
8" Sanitary
C.B.
Water Line
Approximate Property Line

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

Wells Abandoned 9/28/2011

VP-B Subslab Vapor Probe

Site Layout & Sample Locations			
TWIN BROOK CLEANERS, PLYMOUTH, WI			
DATE	DESCRIPTION	APPVD	
02/12/10		KAE	DWG #:.. basemap.skf
	SCALE: 1" = 20'		FIGURE 2

ALPHA TERRA SCIENCE

BRIDGE OVER
MULLET RIVER

STAHLMAN PROPERTY
607 Eastern Avenue

MULLET RIVER
FLOW

N

Bike Path

Hill

Woods

Hill

GP14
10-12'
DRO 6.4
PCE 493+
TCE <29
cis <29

MW-10
2-4'
Saturated Sample
PCE 58
TCE <31
cis <31

L.P.

GP15
10-12'
DRO <6.9
CVOC <30

2-4'
DRO 17
PCE 2860+
TCE <29
cis <29

MW-7

10-12'
DRO 178+
PCE 4230+
TCE <28
cis <28

Asphalt
Cap

Estimated Extent of PCE
in Soil > RCL

Approximate Property Line

Sidewalk

Grass

EASTERN AVENUE

Sign Pole
(Electric)

2-4.5'
PCE <28
TCE <28
cis <28

22-24'
PCE <30
TCE <30
cis <30

MW-11

PZ-12

Estimated Extent of
PCE in Soil > RCL
Woods /
Steep Slope

MW-3
11-13'
DRO <5.9
CVOC <30
25-26'
DRO <5.6
CVOC <28

MW-8
Hill
4-6'
Saturated Sample
DRO <5.4
PCE 1610+
TCE <27
cis <27

13.6-14'
Saturated Sample
PCE <28
TCE <28
cis 38

Grass

MW-4

PZ-13

Asphalt
Cap

17-19'
DRO <6.1
PCE 184+
36-38'
DRO <5.5
CVOC <27

3-5'
DRO 14
PCE 1670+
TCE 263+
11-13'
DRO 768+
PCE 2810+

Canopy

Door

12-14'
DRO 140+
PCE 6000+
TCE 260+
cis 140+

HA3
0.5'
PCE <35
CVOC <35

MW-2
23-24'
DRO <5.7
CVOC <29

11-12'
DRO <6.0
PCE 320
TCE 53
39-40'
DRO <5.3
CVOC <26

GP-2

PZ-5

MW-1
GP-2/MW-1
12-14'
PCE 110+
cis 1200+

Door

Estimated Extent of PCE
in Soil > RCL

HA7
0.4-0.6'
DRO <3.8
PCE 75

TWIN BROOK
CLEANERS
633 EASTERN AVE.

Asphalt
Cap

MW-6
12-14'
DRO <5.4
CVOC <27

Hill

HA2
2.5'
Saturated Sample
PCE 115+
TCE <37
cis <37

B-9
4-6'
DRO 16
PCE 2040+
TCE 97
cis <28
14-16'
DRO <5.4
PCE 300+
TCE <30
cis <30

Woods / Steep Slope

Grass

Conc
Pad

GP-1
10-12'
PCE 88
TCE 93
cis 170

HA5
0.5-0.8'
DRO 160+
PCE 130+

HA6
0.4-0.6'
DRO <3.9
PCE 69

Concrete
Cap

Concrete
Cap

Grass

MW-9
Hill
2.25-4'
Saturated Sample
PCE <33
CVOC <33

HA1
2'
PCE <33
TCE <33
cis <33

Dry Cleaning
Machinery

HA4
0.4-1'
DRO <4.1
PCE 45

Boiler
Room

Gas
Meter

Woods

COLLINS STREET

Approximate Property Line

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

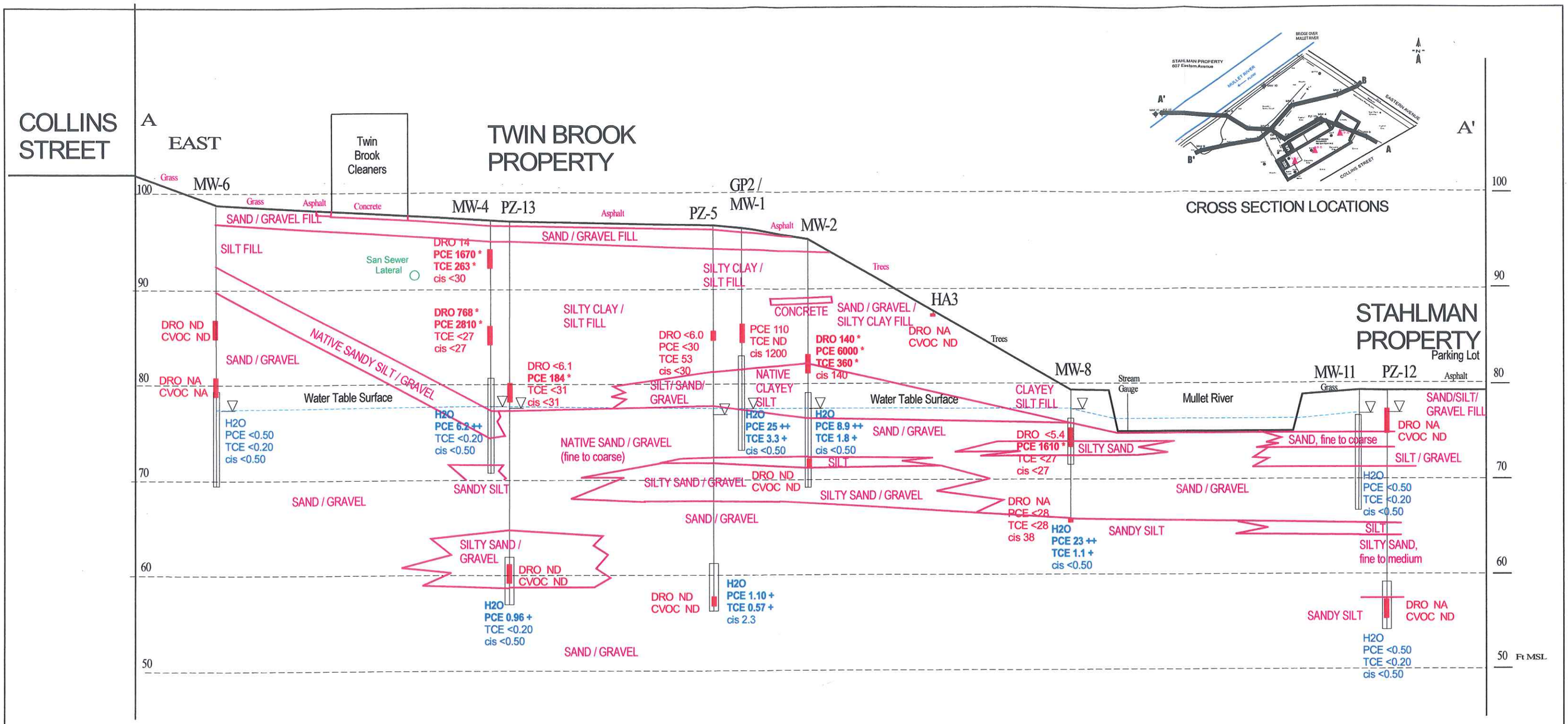
Wells Abandoned 9/28/2011

11-13' Soil Sample Depth
DRO <5.9 Diesel Range Organics
PCE <30 Tetrachloroethene — All Units ug/kg
TCE <30 Trichloroethene — except DRO mg/kg
cis <30 cis 1,2-Dichloroethene
CVOC <33 Chlorinated VOCs (PCE, TCE, DCE)
+ **BOLD** Exceeds Site-Specific
Residual Contaminant Level
NOTE: Soil samples obtained 1999, 2003, 2004, and 2006

Remaining In-Place
Soil Chemistry
TWIN BROOK CLEANERS, PLYMOUTH, WI

	DATE	DESCRIPTION	APPVD	
	02/12/10		KAE	DWG #... basemap.skf
		SCALE: 1" = 20'		FIGURE 3

ALPHA TERRA SCIENCE



SCALE : Horizontal 1 " = 20 ft
Vertical 1" = 10 ft

KEY

Water Chemistry
cis : Cis 1,2 Dichloroethene
PCE : Tetrachloroethene
TCE: Trichloroethene
++ : Exceeds NR 140 ES value
+ : Exceeds NR 104 PAL value

Soil Chemistry
DRO : Diesel range organics
PCE : Tetrachloroethene
TCE : Trichloroethene
cis : Cis 1,2 Dichloroethene
* : Exceeds soil to groundwater SSRCL

GEOLOGIC CONTACT, ESTIMATED

Borehole or Monitoring Well Location
MW-5
Screened Interval
Water Level 2/8/05
Soil Sample

All soil chemistry in ug/kg except DRO (mg/kg)
Groundwater chemistry from February 2005, ug/l
Only detected compounds shown
CVOC ND = No detect for Chlorinated VOC's
NA = Not analyzed

Title: EAST / WEST CROSS SECTION A-A'

Project: TWIN BROOK CLEANERS, PLYMOUTH, WI

Client: TWIN BROOK CLEANERS

ALPHA TERRA SCIENCE

SCALE:	See Figure	DWG NO:	FIGURE 4
DRAWN BY:	JPM	DATE:	February 14, 2005

EASTERN AVENUE

B

NORTH

B'

SOUTH

GP-15 | MW-7 | MW-3 | MW-2 | B-9 | HA2 | MW-9

Grass | Sidewalk | Asphalt | Asphalt | Gravel | Trees | Trees

100 Ft MSL

90

80

70

60

50

SAND FILL

DRO 17
PCE 2860 *
TCE <29
cis <29

SILTY CLAY FILL

DRO <6.0
PCE <30
TCE <30
cis <30

Sanitary Sewer Lateral

DRO 178 *
PCE 4230 *
TCE <28
cis <28

SAND / GRAVEL FILL

SAND / GRAVEL / SILTY CLAY FILL

SILT

DRO ND
CVOC ND

SILTY CLAY

DRO 140 *
PCE 6000 *
TCE 360 *
cis 140

CONCRETE

DRO 16
PCE 2040 *
TCE 97
cis <28

SAND / GRAVEL FILL
Concrete, Brick

DRO NA
PCE 115 *
TCE <37
cis <37

SILTY SAND CLAYEY SILT FILL

DRO NA
CVOC ND

Water Table Surface

H2O
PCE 35 ++
TCE <0.20
cis <0.50

NATIVE SILT / GRAVEL

SAND / GRAVEL

SILTY SAND / GRAVEL

H2O
PCE <0.50
TCE <0.20
cis <0.50

SILT

DRO ND
CVOC ND

SILTY SAND / GRAVEL

SAND / GRAVEL

DRO ND
CVOC ND

H2O
PCE 8.9 ++
TCE 1.8 +
cis <0.50

SILTY SAND / GRAVEL

DRO <5.4
PCE 300 *
TCE <30
cis <30

Water Table Surface

SAND / GRAVEL (fine to coarse)

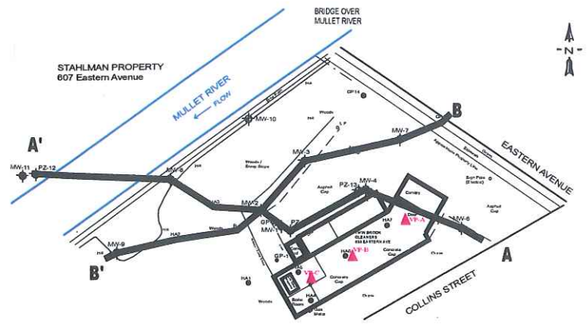
SILT

SILT / GRAVEL

SAND / GRAVEL

CLAYEY SILT

H2O
PCE 3.7 +
TCE <0.20
cis <0.50



CROSS SECTION LOCATIONS

SCALE : Horizontal 1 " = 20 ft
Vertical 1" = 10 ft

Title: NORTH / SOUTH CROSS SECTION B-B'

Project: TWIN BROOK CLEANERS, PLYMOUTH, WI

Client: TWIN BROOK CLEANERS

ALPHA TERRA SCIENCE

SCALE: See Figure	DWG NO: FIGURE 5
DRAWN BY: JPM	DATE: March 8, 2005

KEY

Water Chemistry
cis : Cis 1,2 Dichloroethene
PCE : Tetrachloroethene
TCE: Trichloroethene
++ : Exceeds NR 140 ES value
+ : Exceeds NR 104 PAL value

Soil Chemistry
DRO : Diesel range organics
PCE : Tetrachloroethene
TCE : Trichloroethene
cis : Cis 1,2 Dichloroethene
* : Exceeds soil to groundwater SSRCL

GEOLOGIC CONTACT, ESTIMATED

MW-5 Borehole or Monitoring Well Location
Screened Interval
Water Level 2/8/05
Soil Sample

All soil chemistry in ug/kg except DRO (mg/kg)
Groundwater chemistry from February 2005, ug/l
Only detected compounds shown
CVOC ND = No detect for Chlorinated VOC's
NA = Not analyzed

STAHLMAN PROPERTY
607 Eastern Avenue

BRIDGE OVER
MULLET RIVER

MULLET RIVER
FLOW

N

EASTERN AVENUE

COLLINS STREET

Bike Path

Hill

Groundwater above
NR 140 PCE Enforcement Standard

GP14

GP15

Woods

Hill

L.P.

MW-10
11/1/2011
PCE 6.7++
TCE 4.7+
cis 6.0
4/2/2012
PCE 3.4+
TCE 2.0+
cis 3.3

MW-7
11/1/2011
PCE 263++
TCE 2.85+
cis <0.83
4/2/2012
PCE 283++
TCE 4.8+
cis <1.7

Asphalt Cap

Approximate Property Line

Sidewalk

Grass

Sign Pole (Electric)

MW-3
11/1/2011
PCE <0.45
TCE <0.48
cis <0.83

Woods / Steep Slope

MW-11 PZ-12

MW-8
Hill
11/1/2011
PCE 42.0++
TCE <0.48
cis <0.83

Grass

PZ-13
11/1/2011
PCE 0.94+
TCE <0.48
cis <0.83

MW-4
11/1/2011
PCE 4.1+
TCE <0.48
cis <0.83

Asphalt Cap

Canopy

Door

HA3

MW-2
11/1/2011
PCE 16.7++
TCE 0.88+
cis <0.83

11/1/2011
PCE 1.9+
TCE <0.48
cis <0.83

GP-2

PZ-5

B-9

MW-1
11/1/2011
PCE 50.4++
TCE <0.48
cis <0.83

Woods

Hill

HA2

HA7

MW-6
11/1/2011
PCE 3.9+
TCE <0.48
cis <0.83

Asphalt Cap

Door

TWIN BROOK CLEANERS
633 EASTERN AVE.

MW-9
Hill
11/1/2011
PCE 5.0++
TCE <0.48
cis <0.83

Groundwater above
NR 140 PCE Enforcement Standard

Woods / Steep Slope

Grass

Conc Pad

HA6

Concrete Cap

Grass

GP-1

HA5

Dry Clean Machine

Concrete Cap

HA1

HA4

Boiler Room

Gas Meter

Woods

Grass

Approximate Property Line

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

Wells Abandoned 9/28/2011

11/1/2011 Sample Date
PCE 25 ++ Tetrachloroethene (ug/L)
TCE 3.3 + Trichloroethene (ug/L)
cis 1.4 cis 1,2-Dichloroethene (ug/L)

++ Exceeds NR 140 Enforcement Standard
\+ Exceeds NR 140 Preventive Action Limit

Note: 11/1/2011 MW-7 run as duplicate, results average of both samples

Groundwater Flow

20 10 0 20

Recent Groundwater Chemistry				
TWIN BROOK CLEANERS, PLYMOUTH, WI				
	DATE	DESCRIPTION	APPVD	
	02/12/10		KAE	DWG #:, basemap.skf
		SCALE: 1" = 20'		FIGURE 6

ALPHA TERRA SCIENCE

STAHLMAN PROPERTY
607 Eastern Avenue

MULLET RIVER
FLOW

BRIDGE OVER
MULLET RIVER

EASTERN AVENUE

COLLINS STREET

N

M.H.
8" Sanitary
C.B.
M.H.
19.05'
C.B.
18" Storm Sewer
L.P.
L.P.
Underground Electric
12" Water Line
Hydrant
C.B.
8" Sanitary
M.H.
6.12'
M.H
5.14'
L.P.
Bike Path
Hill
GP14
GP15
Woods
Hill
MW-10
L.P.
MW-7
ASPHALT CAP
Asphalt
Cap
Overhead Electric
Sanitary Lateral
(assumed flow)
Approximate Property Line
Sidewalk
Grass
Sign Pole
(Electric)
P.P.
MW-11
PZ-12
MW-8
L.P.
Hill
MW-3
Woods /
Steep Slope
Grass
PZ-13
MW-4
ASPHALT CAP
Canopy
Asphalt
Cap
Underground Electric
Asphalt
Cap
L.P.
P.P.
HA3
MW-2
ASPHALT CAP
Door
HA7
MW-6
Overhead Electric
Hill
HA2
Woods
B-9
GP-2
PZ-5
MW-1
TWIN BROOK
CLEANERS
633 EASTERN AVE.
CONCRETE
CAP
Door
Water Line
C.B.
M.H.
C.B.
MW-9
Hill
Grass
Conc
Pad
GP-1
HA6
Concrete
Cap
Grass
Woods / Steep Slope
VAPOR
MITIGATION
SYSTEM A
VAPOR
MITIGATION
SYSTEM B
HA5
HA1
Concrete
Cap
Dry Clean
Machine
OHE
HA4
Boiler
Room
Gas
Meter
Woods
P.P.
Overhead Electric
Gas Service
L.P.
Approximate Property Line
Water Line
8" Sanitary

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

Wells Abandoned 9/28/2011

EXTENT OF CONCRETE OR ASPHALT CAP

CAP AREA AND
VAPOR MITIGATION SYSTEMS
TWIN BROOK CLEANERS, PLYMOUTH, WI

	DATE	DESCRIPTION	APPVD
	02/12/10		KAE

SCALE: 1" = 20'

ALPHA TERRA SCIENCE

DWG #... basemap.skf

FIGURE 8

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Plymouth Service Center
1155 Pilgrim Rd
Plymouth, WI 53073
FAX 920-892-6638

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

August 17, 2012

Ms. Marilyn Berlin
W2626 Miley Road
Sheboygan Falls, WI 53085

Subject: Conditional Closure Decision,
With Requirements to Achieve Final Closure
Twin Brook Cleaners, 633 Eastern Ave, Plymouth, Wisconsin
BRRTS Activity # 02-60-248337, FID 460010320

Dear Mrs. Berlin:

On August 17, 2012, the Department of Natural Resources Northeast Region (NER) Closure Committee reviewed your request for closure of the case described above. The Department of Natural Resources reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. On August 3, 2012, after careful review of the closure request, the Department of Natural Resources Northeast Closure Committee requested another sample of monitoring well MW-7. On August 7, 2012, the additional sample results were submitted to the Department. After additional review, the Department has determined that the residual Chlorinated Volatile Organic Compounds (CVOCs) soil, groundwater and vapor contamination beneath the site from leakage from a former dry cleaning unit (removed) appears to have been investigated and remediated to the extent practicable under site conditions.

The chloroform and bromo-dichloromethane (BDCM) detections in the 2011 groundwater sampling round is believed to have come from the municipal drinking water used as dust control purposes on near-by construction and landscape watering projects. The City of Plymouth had elevated levels of chloroform in their 2010 water sample results. Drinking-water supplies containing organic contaminants may contain chloroform as a by-product of chlorination of the water supply for disinfection purposes and most BDCM in the environment is formed as a by-product when chlorine is added to drinking water to kill disease-causing organisms (Idea Connection 2012 & ATSDR March 2011). The 2011 City of Plymouth's water supply test results are less than detection for chloroform.

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:

MONITORING WELL ABANDONMENT
The monitoring wells at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to Christine Lilek, WDNR – Plymouth Service Center, 1155 Pilgrim Rd, Plymouth, Wisconsin on Form 3300-005, found at http://dnr.wi.gov/org/water/dwg/forms/3300005.pdf or provided by the Department of Natural Resources.

CONTINUING OBLIGATIONS AND RESPONSIBILITIES

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations: Groundwater and Soil GIS Registry for the remaining CVOC contaminated soils and groundwater and a cap maintenance plan over this area. In the final closure approval, you or future owners will also be required to conduct annual inspections on the pavement and the vapor mitigation fans. Documentation of these inspections will be required to be kept by the property owner.

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 Christine F Lilek at (920) 892-8756, extension 3025.

Sincerely,

Christine F Lilek

Christine F Lilek
Hydrogeologist
Remediation & Redevelopment Program

cc: Cathy Burrow - Dry Cleaner Environmental Fund Manager
Ken Ebbott & Megan Hansen – Alpha Terra Science
Jean Amel - Broker Executive, Premier Properties
SER CASE FILE

APPLICATION FOR THE TERMINATION OF DECEDENT'S INTEREST AND CONFIRMATION OF APPLICANT'S INTEREST IN PROPERTY

8059781
Tx:4030672

1940860
SHEBOYGAN COUNTY, WI
RECORDED ON
03/13/2012 1:36 PM
ELLEN R. SCHLEICHER
REGISTER OF DEEDS
RECORDING FEE: 30.00
EXEMPTION #
Cashier ID: 9
PAGES: 2
Recording area

DECEDENT'S NAME	DATE OF DEATH		
Harvey E. Gloede	November 26, 2011		
ADDRESS OF DECEDENT AT DATE OF DEATH	CITY	ST	ZIP
444 HARVEY DRIVE	PLYMOUTH	WI	53073

PRESENTATION OF DEATH CERTIFICATE
I certify that I have viewed a certified copy of the decedent's death certificate.

Nila Born-Ayant — 3-13-12
REGISTER OF DEEDS SIGNATURE — DATE

THE INTEREST OF THE DECEDENT IN THE PROPERTY NOTED HEREIN IS HEREBY TERMINATED/CONFIRMED UNDER THE FOLLOWING STATUTE:
(please check appropriate statute)

☒ s. 867.045 which pertains to real property in which the decedent was a joint tenant, had a vendor's or mortgagee's interest, or had a life estate. (You must provide a copy of the document establishing interest in the real property.)

☒ s. 867.046 which pertains to property of a decedent specified in a marital property agreement; survivorship marital property; or a third party confirmation; or a nonprobate transfer on death as described in s.705.10(1).
(You must provide a copy of the document establishing interest in property.)

Name and return address:

Twohig Rietbrock Schneider & Halbach
102 N. Madison Street
P.O. Box 188
Chilton, WI 53014

See Attached

Presentation of recorded document establishing interest in real estate.

DOCUMENT #	VOLUME/REEL	PAGE/IMAGE	RECORDS/DEEDS
See Attached			

Parcel Identification Number
SEND TAX STATEMENT TO:

Violet M. Gloede
444 Harvey Drive
Plymouth, WI 53073

Description of the real estate. ☒ **See Attached**

Description of personal property (if any) being transferred.
You may list savings accounts, checking accounts and securities on attached pages. Indicate person(s) receiving property.
DECLARATION: I(We) declare that this document is, to the best of my(our) knowledge and belief, true, correct and complete and is in conformity with the provisions and limitations of the Wisconsin Statutes.

Name and Address (List all remaindermen/ beneficiaries. If more space is needed, attach pages.)	Applicant's Interest in Property (ie: spouse, remainderman, beneficiary)	Applicant Signature (Notarized) (Print or type name below signature)	Date
Violet M. Gloede 444 Harvey Drive Plymouth, WI 53073	surviving spouse	Violet M. Gloede Violet M. Gloede	March 7, 2012

This document was drafted by: *(print or type name below)*
George W. Twohig

STATE OF WISCONSIN, County of Calumet
Subscribed and sworn to before me on: March 7, 2012
by the above named person(s): Violet M. Gloede

Signature of Notary or other person authorized to administer an oath (as per s 706.06, 706.07)
Print or type name: George W. Twohig
Title: notary
Date Commission Expires: is permanent.

NOTE: SEE DIRECTIONS.
Wisconsin Register of Deeds Association Form HT-110
Website Version 05/2010

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

2

Harvey E. Gloede Estate
Attachment to HT-110

Presentation of recorded document establishing interest in real estate.

Document #	Volume/Reel	Page/Image	Records/Deeds
1119205	989	590	
1572295	1740	892-893	

Description of Real Estate.

Lot 6, Block 5, Second Addition to Chaplin's Airpark Subdivision in the City of Plymouth.

Tax Parcel No. 59271822710

Vendor's Interest in Land Contract terminated and passed to Violet M. Gloede pursuant to the Marital Property Agreement between Harvey E. Gloede and Violet M. Gloede, dated August 18, 1997 and amended September 23, 2009 for the following described real estate:

Commencing at the Southeast Corner of Lot 1, Mead's Addition to the City of Plymouth, thence North to the center of Mullet River, thence Northerly along the center of Mullet River to the South line of Eastern Avenue; thence Southeast on Eastern Avenue to North line of Collins Street, thence Southwest on Collins Street to point of beginning, being part of the Southeast Quarter (SE1/4) of the Southwest Quarter (SW1/4) of Section 22 and part of the Northeast Quarter (NE1/4) of the Northwest Quarter (NE1/4) of Section 27, Township 15 North, Range 21 East, subject to highway conveyance as recorded in Volume 765 of Records, page 2.

Tax Parcel No. 59271821870

STATE OF WISCONSIN, CIRCUIT COURT, SHEBOYGAN COUNTY

For Official Use

IN THE MATTER OF THE ESTATE OF

JOHN R. WALSH

Domiciliary Letters (Informal Administration)

Case No. 2004 PR 316

To: MARILYN J. WALSH
W2626 MILEY ROAD
SHEBOYGAN FALLS, WI 53085

The decedent, whose date of birth was 08/25/1949 and date of death was 11/09/2004,

died domiciled in SHEBOYGAN County, State of WISCONSIN.

You are granted domiciliary letters with general powers and duties of a personal representative.

LETTERS ISSUED BY

Sandra L. Graumann

Probate Registrar

SANDRA L. GRAUMANN

Name Printed or Typed

December 6, 2004

Date

THIS DOCUMENT IS A TRUE AND CORRECT COPY OF THE ORIGINAL ON FILE AND OF RECORD IN THIS OFFICE AND HAS BEEN COMPARED BY ME. I FURTHER CERTIFY THAT THESE LETTERS ARE OF FULL FORCE AND EFFECT AS OF THIS DATE.

ATTEST December 21, 2005

Peggy J. Kasen

REGISTER IN PROBATE
SHEBOYGAN COUNTY CIRCUIT COURT

Name of Attorney
ATTORNEY DAVID E. ANDREWS
Address DAVID E. ANDREWS LAW OFFICE, SC 623 E MILL STREET, PO BOX 349 PLYMOUTH, WI 53073-0349
Telephone Number 920-893-8421

1790190

SHEBOYGAN COUNTY, WI
RECORDED ON
02/03/2006 03:10PM

ELLEN R. SCHLEICHER
REGISTER OF DEEDS

RECORDING FEE: 13.00
TRANSFER FEE:
EXEMPTION # 77.25(11)

STAFF ID 9
TRANS # 75403
OF PAGES: 2

Document Number

State Bar of Wisconsin Form15-2003
ASSIGNMENT OF LAND CONTRACT

Document Name

Recording Area

Name and Return Address
ATTORNEY DAVID E. ANDREWS
DAVID E ANDREWS LAW OFFICE SC
PO BOX 349
PLYMOUTH WI 53073-0349

The undersigned ("Assignor," whether one or more), for a valuable consideration, assigns and conveys to **MARILYN J. WALSH**

("Assignee", whether one or more) the interest identified below in a Land Contract dated **MAY 30, 2000**, executed by **PAUL R. NOTZ and HARVEY E. GLOEDE, as tenants in common**
as Vendor to **JOHN AND MARILYN WALSH, husband and wife**

as Purchaser on real estate in **SHEBOYGAN** County, Wisconsin ("Property"), together with (the indebtedness therein referred to and) all the interest of Assignor in the Land Contract and the Property, which Land Contract was recorded in the Office of the Register of Deeds of said County, in (~~Reel~~) (Vol.) **1740** of Records, at (~~Images~~) (Pages) **892/3**, as Document No. **1572295***.

NOTE: Transfer Tax Exempt 77.25(11)

59271821870
Parcel Identification Number (PIN)

This **IS NOT** homestead property.
(~~is~~) (is not)

The Property which is subject to this Assignment is described as:
Part of the SE 1/4 SW 1/4 of Section 22 AND part of the NE 1/4 NW 1/4 of Section 27, Township 15 North, Range 21 East, City of Plymouth, Sheboygan County, Wisconsin, described as: Commencing at the SE Corner of Lot 1, Mead's Addition to the City of Plymouth, thence North to the center of Mullet River, thence Northerly along the center of Mullet River to the South line of Eastern Avenue; thence SE on Eastern Avenue to North line of Collins Street, thence SW on Collins Street to point of beginning, SUBJECT TO highway conveyence as recorded in Volume 765 Records, Page 2.

***which Purchaser's Interest was assigned by Assignment of Land Contract dated 5/30/00 and recorded 6/7/00 in Volume 1740 Records, Page 894/6 as Document No. 1572296.**

Assignor warrants that: there is now owing and unpaid on said Land Contract the sum of $ **55,580.43**, and also interest at **8.00** % per annum from **11/2/2004**; Assignor is the owner of the above-described interest in the Land Contract and has good right to assign the same; and the condition of the title of Assignor's interest is the same as at the time of recording the Land Contract.

CHOOSE ONE OF THE FOLLOWING TYPES OF ASSIGNMENT:

1. ☒ **ASSIGNMENT OF PURCHASER'S INTEREST** [CHECK BOX AT LEFT IF APPLICABLE].
By accepting and recording this assignment, Assignee agrees:

[CHOOSE ONE OF THE FOLLOWING OPTIONS; IF NEITHER IS CHOSEN, OPTION A SHALL APPLY]

☒ A. Assignee assumes and agrees to pay the obligation secured by the Land Contract, to comply with all terms and conditions of the Land Contract, and to hold harmless and indemnify Assignor as to the performance of all obligations, terms and conditions of the Land Contract.

☐ B. This Assignment is given for collateral purposes only, and that Assignor agrees to continue to make all payments required on the Land Contract and to comply with all terms and conditions of the Land Contract. Assignor retains the right to occupancy of the Property. This Assignment is intended to have the same effect as a mortgage. In the event of a default on the part of Assignor on the obligation secured, Assignee's remedy shall be a foreclosure in accordance with Chapter 846 of the Wisconsin Statutes, for which purpose Assignee agrees to the provisions of Sections 846.101 and 846.103 of the Wisconsin Statutes, as applicable.

2. ☐ **ASSIGNMENT OF VENDOR'S INTEREST:** [CHECK BOX AT LEFT IF APPLICABLE.]
By accepting and recording this Assignment, Assignee agrees:

[CHOOSE ONE OF THE FOLLOWING OPTIONS; IF NEITHER IS CHOSEN, OPTION A SHALL APPLY]

☐ A. This is a complete assignment of the Vendor's interests in the Land Contract. The Purchaser under the Land Contract is instructed to make all further payments to Assignee upon receipt of a copy of this instrument.

☐ B. This assignment of the Vendor's interest in the Land Contract is for collateral purposes. Assignor shall be allowed to continue to receive the scheduled, periodic payment(s) on the Land Contract. Any extra or balloon payments shall be made payable to Assignor and Assignee. In the event of a default by Assignor on the obligations secured by this Assignment, Assignee has the right to receive all payments on the Land Contract upon notification to the Purchaser.

Dated **JANUARY 30 , 2006** .

ASSIGNOR:
ESTATE OF JOHN R. WALSH

Marilyn J. Walsh (SEAL)
* **MARILYN J. WALSH, Personal Representative**

(SEAL)
*

ASSIGNEE:

Marilyn J. Walsh (SEAL)
* **MARILYN J. WALSH**

(SEAL)
*

AUTHENTICATION

Signature(s) **MARILYN J. WALSH, Personal Representative and MARILYN J. WALSH**
authenticated on **JANUARY 30 , 2006** .

David E. Andrews
* **DAVID E. ANDREWS**
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by Wis. Stat. § 706.06)

THIS INSTRUMENT DRAFTED BY:
ATTORNEY DAVID E. ANDREWS, SBN 01008088
DAVID E. ANDREWS LAW OFFICE, SC

ACKNOWLEDGMENT

STATE OF _____)
) 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 _____
My commission (is permanent) (expires: _____)

(Signatures may be authenticated or acknowledged. Both are not necessary.)
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATION TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

Legal Description of Property

Parcel #: **59271821870**

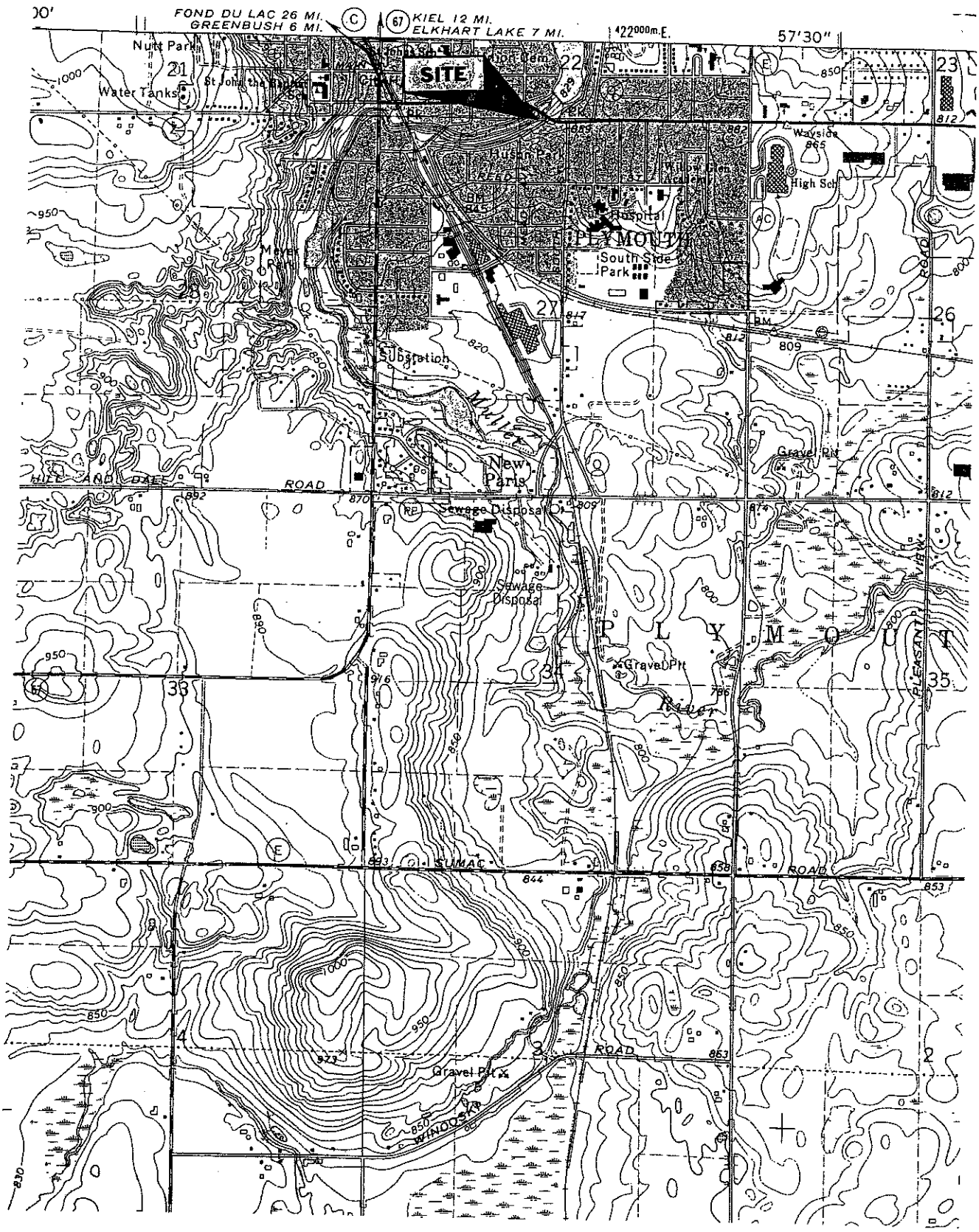
Address: **633 Eastern Ave.**

As the responsible party for the soil and groundwater contamination at the former Twin Brook Cleaners site at 633 Eastern Avenue, Plymouth, Wisconsin, I believe that the legal description provided below describes the correct contaminated property.

Legal Description: **Part of the SE ¼ SW ¼ of Section 22 AND part of the NE ¼ NW ¼ of Section 27, Township 15 North, Range 21 East, City of Plymouth, Sheboygan County, Wisconsin, described as: Commencing at the SE Corner of Lot 1, Mead's Addition to the City of Plymouth, thence North to the center of the Mullet River, thence Northerly along the center of Mullet River to the South line of Eastern Avenue; thence SE on Eastern Avenue to North line of Collins Street, thence SW on Collins Street to point of beginning, SUBJECT TO highway conveyance as recorded in Volume 765 Records, Page 2.**

Marilyn J. Berlin

Marilyn J. Berlin
Twin Brook Cleaners



Base Map USGS
Plymouth South
7.5' Topographic Map,
Photorevised 1994

SITE LOCATION AND LOCAL TOPOGRAPHY				
TWIN BROOK CLEANERS, PLYMOUTH, WI				
	DATE	DESCRIPTION	APPVD	ALPHA TERRA SCIENCE
				DATE: 6/27/03 DWG #: altaloc.sld
		SCALE: 1:24,000		APPROVED: KAE FIGURE 1

STAHLMAN PROPERTY
607 Eastern Avenue

BRIDGE OVER
MULLET RIVER

MULLET RIVER
FLOW

EASTERN AVENUE

COLLINS STREET

TWIN BROOK
CLEANERS
633 EASTERN AVE.

VAPOR
MITIGATION
SYSTEM A

VAPOR
MITIGATION
SYSTEM B

M.H.
C.B.
M.H.
M.H.
19.05'
C.B.
8" Sanitary
18" Storm Sewer
12" Water Line
Hydrant
C.B.
8" Sanitary
M.H.
6.12'
M.H
5.14'
L.P.
Hill
L.P.
GP14
Underground Electric
GP15
L.P.
Sidewalk
Grass
Approximate Property Line
Sanitary Lateral
(assumed flow)
Sign Pole
(Electric)
Underground Electric
Asphalt
Cap
L.P.
Bike Path
Underground Electric
MW-10
Woods
Hill
L.P.
Overhead Electric
MW-7
Asphalt
Cap
P.P.
MW-3
MW-11
PZ-12
L.P.
Hill
MW-8
Woods /
Steep Slope
Grass
Asphalt
Cap
PZ-13
MW-4
Canopy
P.P.
HA3
MW-2
Overhead Electric
Hill
HA2
Woods
B-9
GP-2
PZ-5
MW-1
HA7
Door
VP-A
MW-6
Door
Grass
Conc
Pad
GP-1
HA6
VP-B
Concrete
Cap
Water Line
Grass
C.B.
M.H.
C.B.
Woods / Steep Slope
MW-9
Hill
HA5
VP-C
HA1
Dry Clean
Machine
Concrete
Cap
Drain
HA4
Boiler
Room
Woods
Grass
Gas
Meter
P.P.
Overhead Electric
Gas Service
L.P.
8" Sanitary
C.B.
Water Line
Approximate Property Line

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

Wells Abandoned 9/28/2011

VP-B Subslab Vapor Probe

Site Layout & Sample Locations			
TWIN BROOK CLEANERS, PLYMOUTH, WI			
DATE	DESCRIPTION	APPVD	
02/12/10		KAE	DWG #:.. basemap.skf
	SCALE: 1" = 20'		FIGURE 2

ALPHA TERRA SCIENCE

BRIDGE OVER
MULLET RIVER

STAHLMAN PROPERTY
607 Eastern Avenue

MULLET RIVER
FLOW

N

Bike Path

Hill

Woods

Hill

GP14
10-12'
DRO 6.4
PCE 493+
TCE <29
cis <29

MW-10
2-4'
Saturated Sample
PCE 58
TCE <31
cis <31

L.P.

GP15
10-12'
DRO <6.9
CVOC <30

2-4'
DRO 17
PCE 2860+
TCE <29
cis <29

MW-7

10-12'
DRO 178+
PCE 4230+
TCE <28
cis <28

Asphalt
Cap

Estimated Extent of PCE
in Soil > RCL

Approximate Property Line

Sidewalk

Grass

EASTERN AVENUE

Sign Pole
(Electric)

2-4.5'
PCE <28
TCE <28
cis <28

22-24'
PCE <30
TCE <30
cis <30

MW-11

PZ-12

Estimated Extent of
PCE in Soil > RCL
Woods /
Steep Slope

MW-3
11-13'
DRO <5.9
CVOC <30
25-26'
DRO <5.6
CVOC <28

MW-8
Hill
4-6'
Saturated Sample
DRO <5.4
PCE 1610+
TCE <27
cis <27

13.6-14'
Saturated Sample
PCE <28
TCE <28
cis 38

Grass

MW-4

PZ-13

Asphalt
Cap

17-19'
DRO <6.1
PCE 184+
36-38'
DRO <5.5
CVOC <27

3-5'
DRO 14
PCE 1670+
TCE 263+
11-13'
DRO 768+
PCE 2810+

Canopy

Door

12-14'
DRO 140+
PCE 6000+
TCE 260+
cis 140+

HA3
0.5'
PCE <35
CVOC <35

MW-2
23-24'
DRO <5.7
CVOC <29

11-12'
DRO <6.0
PCE 320
TCE 53
39-40'
DRO <5.3
CVOC <26

GP-2

PZ-5

MW-1
GP-2/MW-1
12-14'
PCE 110+
cis 1200+

Door

Estimated Extent of PCE
in Soil > RCL

HA7
0.4-0.6'
DRO <3.8
PCE 75

TWIN BROOK
CLEANERS
633 EASTERN AVE.

Asphalt
Cap

MW-6
12-14'
DRO <5.4
CVOC <27

Hill

HA2
2.5'
Saturated Sample
PCE 115+
TCE <37
cis <37

B-9
4-6'
DRO 16
PCE 2040+
TCE 97
cis <28
14-16'
DRO <5.4
PCE 300+
TCE <30
cis <30

Woods / Steep Slope

Grass

Conc
Pad

GP-1
10-12'
PCE 88
TCE 93
cis 170

HA5
0.5-0.8'
DRO 160+
PCE 130+

HA6
0.4-0.6'
DRO <3.9
PCE 69

Concrete
Cap

Concrete
Cap

Grass

MW-9
Hill
2.25-4'
Saturated Sample
PCE <33
CVOC <33

HA1
2'
PCE <33
TCE <33
cis <33

Dry Cleaning
Machinery

HA4
0.4-1'
DRO <4.1
PCE 45

Boiler
Room

Gas
Meter

Woods

COLLINS STREET

Approximate Property Line

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

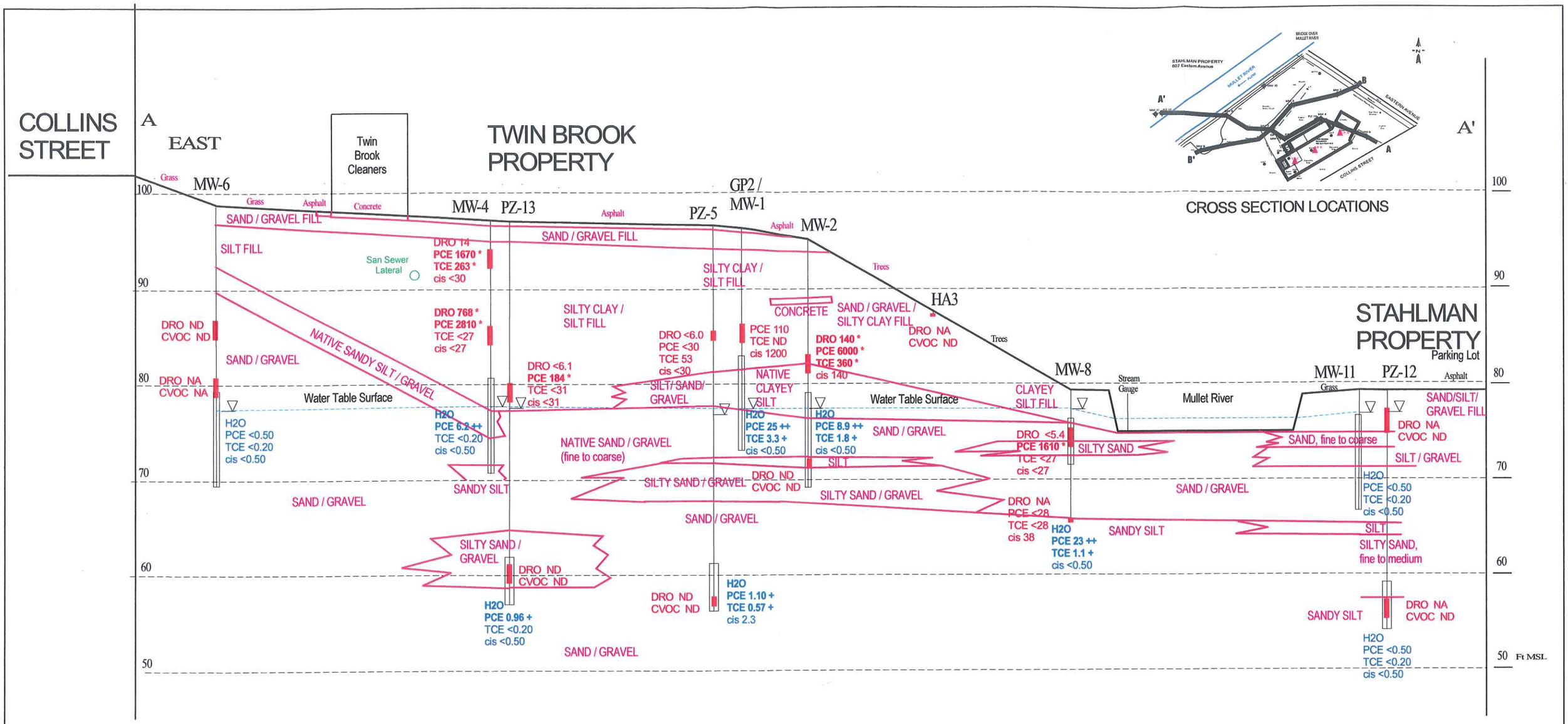
Wells Abandoned 9/28/2011

11-13' Soil Sample Depth
DRO <5.9 Diesel Range Organics
PCE <30 Tetrachloroethene — All Units ug/kg
TCE <30 Trichloroethene — except DRO mg/kg
cis <30 cis 1,2-Dichloroethene
CVOC <33 Chlorinated VOCs (PCE, TCE, DCE)
+ **BOLD** Exceeds Site-Specific
Residual Contaminant Level
NOTE: Soil samples obtained 1999, 2003, 2004, and 2006

Remaining In-Place
Soil Chemistry
TWIN BROOK CLEANERS, PLYMOUTH, WI

	DATE	DESCRIPTION	APPVD	
	02/12/10		KAE	DWG #... basemap.skf
		SCALE: 1" = 20'		FIGURE 3

ALPHA TERRA SCIENCE



SCALE : Horizontal 1 " = 20 ft
Vertical 1" = 10 ft

KEY

Water Chemistry
cis : Cis 1,2 Dichloroethene
PCE : Tetrachloroethene
TCE: Trichloroethene
++ : Exceeds NR 140 ES value
+ : Exceeds NR 104 PAL value

Soil Chemistry
DRO : Diesel range organics
PCE : Tetrachloroethene
TCE : Trichloroethene
cis : Cis 1,2 Dichloroethene
* : Exceeds soil to groundwater SSRCL

GEOLOGIC CONTACT, ESTIMATED

Borehole or Monitoring Well Location
MW-5
Screened Interval
Water Level 2/8/05
Soil Sample

All soil chemistry in ug/kg except DRO (mg/kg)
Groundwater chemistry from February 2005, ug/l
Only detected compounds shown
CVOC ND = No detect for Chlorinated VOC's
NA = Not analyzed

Title: EAST / WEST CROSS SECTION A-A'

Project: TWIN BROOK CLEANERS, PLYMOUTH, WI

Client: TWIN BROOK CLEANERS

ALPHA TERRA SCIENCE

SCALE:	See Figure	DWG NO:	FIGURE 4
DRAWN BY:	JPM	DATE:	February 14, 2005

EASTERN AVENUE

B

NORTH

B'

SOUTH

GP-15 | MW-7 | MW-3 | MW-2 | B-9 | HA2 | MW-9

Grass | Sidewalk | Asphalt | Asphalt | Gravel | Trees | Trees

100 Ft MSL

90

80

70

60

50

SAND FILL

DRO 17
PCE 2860 *
TCE <29
cis <29

SILTY CLAY FILL

DRO <6.0
PCE <30
TCE <30
cis <30

Sanitary Sewer Lateral

DRO 178 *
PCE 4230 *
TCE <28
cis <28

SAND / GRAVEL FILL

SAND / GRAVEL / SILTY CLAY FILL

SILT

DRO ND
CVOC ND

SILTY CLAY

DRO 140 *
PCE 6000 *
TCE 360 *
cis 140

CONCRETE

DRO 16
PCE 2040 *
TCE 97
cis <28

SAND / GRAVEL FILL
Concrete, Brick

DRO NA
PCE 115 *
TCE <37
cis <37

SILTY SAND CLAYEY SILT FILL

DRO NA
CVOC ND

Water Table Surface

H2O
PCE 35 ++
TCE <0.20
cis <0.50

NATIVE SILT / GRAVEL

SAND / GRAVEL

SILTY SAND / GRAVEL

H2O
PCE <0.50
TCE <0.20
cis <0.50

SILT

DRO ND
CVOC ND

SILTY SAND / GRAVEL

SAND / GRAVEL

DRO ND
CVOC ND

H2O
PCE 8.9 ++
TCE 1.8 +
cis <0.50

SILTY SAND / GRAVEL

DRO <5.4
PCE 300 *
TCE <30
cis <30

Water Table Surface

SAND / GRAVEL (fine to coarse)

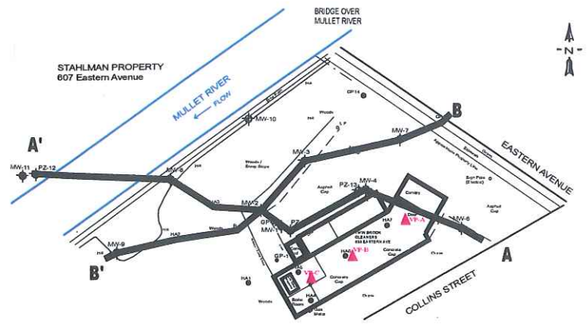
SILT

SILT / GRAVEL

SAND / GRAVEL

CLAYEY SILT

H2O
PCE 3.7 +
TCE <0.20
cis <0.50



CROSS SECTION LOCATIONS

SCALE : Horizontal 1 " = 20 ft
Vertical 1" = 10 ft

Title: NORTH / SOUTH CROSS SECTION B-B'

Project: TWIN BROOK CLEANERS, PLYMOUTH, WI

Client: TWIN BROOK CLEANERS

ALPHA TERRA SCIENCE

SCALE: See Figure	DWG NO: FIGURE 5
DRAWN BY: JPM	DATE: March 8, 2005

KEY

Water Chemistry
cis : Cis 1,2 Dichloroethene
PCE : Tetrachloroethene
TCE: Trichloroethene
++ : Exceeds NR 140 ES value
+ : Exceeds NR 104 PAL value

Soil Chemistry
DRO : Diesel range organics
PCE : Tetrachloroethene
TCE : Trichloroethene
cis : Cis 1,2 Dichloroethene
* : Exceeds soil to groundwater SSRCL

GEOLOGIC CONTACT, ESTIMATED

MW-5 Borehole or Monitoring Well Location
Screened Interval
Water Level 2/8/05
Soil Sample

All soil chemistry in ug/kg except DRO (mg/kg)
Groundwater chemistry from February 2005, ug/l
Only detected compounds shown
CVOC ND = No detect for Chlorinated VOC's
NA = Not analyzed

STAHLMAN PROPERTY
607 Eastern Avenue

BRIDGE OVER
MULLET RIVER

MULLET RIVER
FLOW

N

EASTERN AVENUE

COLLINS STREET

Bike Path

Hill

Groundwater above
NR 140 PCE Enforcement Standard

GP14

GP15

Woods

Hill

L.P.

MW-10
11/1/2011
PCE 6.7++
TCE 4.7+
cis 6.0
4/2/2012
PCE 3.4+
TCE 2.0+
cis 3.3

MW-7
11/1/2011
PCE 263++
TCE 2.85+
cis <0.83
4/2/2012
PCE 283++
TCE 4.8+
cis <1.7

Asphalt Cap

Approximate Property Line

Sidewalk

Grass

Sign Pole (Electric)

MW-3
11/1/2011
PCE <0.45
TCE <0.48
cis <0.83

Woods / Steep Slope

MW-11 PZ-12

MW-8
Hill
11/1/2011
PCE 42.0++
TCE <0.48
cis <0.83

Grass

PZ-13
11/1/2011
PCE 0.94+
TCE <0.48
cis <0.83

MW-4
11/1/2011
PCE 4.1+
TCE <0.48
cis <0.83

Asphalt Cap

Canopy

Door

HA3

MW-2
11/1/2011
PCE 16.7++
TCE 0.88+
cis <0.83

11/1/2011
PCE 1.9+
TCE <0.48
cis <0.83

GP-2

PZ-5

B-9

MW-1
11/1/2011
PCE 50.4++
TCE <0.48
cis <0.83

Woods

Hill

HA2

HA7

MW-6
11/1/2011
PCE 3.9+
TCE <0.48
cis <0.83

Asphalt Cap

Door

TWIN BROOK CLEANERS
633 EASTERN AVE.

MW-9
Hill
11/1/2011
PCE 5.0++
TCE <0.48
cis <0.83

Groundwater above
NR 140 PCE Enforcement Standard

Woods / Steep Slope

Grass

Conc Pad

HA6

Concrete Cap

Grass

GP-1

HA5

Dry Clean Machine

Concrete Cap

HA1

HA4

Boiler Room

Gas Meter

Woods

Grass

Approximate Property Line

LEGEND

GP-2 Geoprobe or Hand Auger Boring

MW-1 NR 140 Monitoring Well / Piezometer

Wells Abandoned 9/28/2011

11/1/2011 Sample Date
PCE 25 ++ Tetrachloroethene (ug/L)
TCE 3.3 + Trichloroethene (ug/L)
cis 1.4 cis 1,2-Dichloroethene (ug/L)

++ Exceeds NR 140 Enforcement Standard
\+ Exceeds NR 140 Preventive Action Limit

Note: 11/1/2011 MW-7 run as duplicate, results average of both samples

Groundwater Flow

20 10 0 20

Recent Groundwater Chemistry				
TWIN BROOK CLEANERS, PLYMOUTH, WI				
	DATE	DESCRIPTION	APPVD	
	02/12/10		KAE	DWG #:, basemap.skf
		SCALE: 1" = 20'		FIGURE 6

ALPHA TERRA SCIENCE

TABLE 1
SOIL ANALYTICAL RESULTS - DETECTED VOC PARAMETERS
TWIN BROOK CLEANERS, PLYMOUTH, WI

Sample ID	Depth (feet)	PID (su)	Sample Date	Total Organic Carbon (percent)	DRO (mg/kg)	cis-1,2 DCE (ug/kg)	PCE (ug/kg)	TCE (ug/kg)	VC (ug/kg)	Sum CVOCs
NR 720 Residual Contaminant Levels				NS	**100**	NS	NS	NS	NS	NS
WDNR RR-682 Generic RCL Migration to Groundwater				NS	NS	27	4	4	0.1	
WDNR Site Specific RCL Migration to Groundwater				5.88	NS	**310**	**94**	**100**	NA	
NR746 & RR682 Soil Screening Levels - Potential Free Product				NS	NS	1,300,000	240,000	1,300,000	1,200,000	
WDNR RR-682 SSL Non-Industrial Ingestion				NS	NS	156,000	**1,230**	5,810	45.6	
WDNR RR-682 SSL Non-Industrial Inhalation Volatiles				NS	NS	NS	1,900	850	52	
WDNR RR-682 SSL Inhalation Volatiles Industrial				NS	NS	NS	33,000	14,000	870	
WDNR RR-682 SSL Soil Ingestion Industrial				NS	NS	156,000	55,000	260,000	2,040	NS
GP-1	10-12'	NA	Jul-99	NA	NA	170	88	**360**	ND	618
GP-2	12-14'	NA	Jul-99	NA	NA	**1,200**	**110**	ND	ND	1,310
MW-2	12-14'	1.4	Aug-03	NA	**140**	140	**6,000**	**360**	<70	6,500
MW-2	23-24'	0.0	Aug-03	NA	<5.7	<29	<29	<29	<40	0
MW-3	11-13'	0.0	Aug-03	NA	<5.9	<30	<30	<30	<41	0
MW-3	25-26'	0.0	Aug-03	NA	<5.6	<28	<28	<28	<39	0
MW-4	3-5'	2.3	Aug-03	NA	14	<30	**1670**	**263**	<42	1,933
MW-4	11-13'	0.9	Aug-03	NA	**768**	<27	**2810**	<27	<38	2,810
PZ-5	11-12'	0.0	Aug-03	NA	<6.0	<30	<30	53	<42	53
PZ-5	39-40'	0.0	Aug-03	NA	<5.3	<26	<26	<26	<37	0
MW-6	12-14'	0.7	Jan-04	NA	<5.4	<27	<27	<27	<38	0
MW-6	18-20'	0.7	Jan-04	6.87	NA	NA	NA	NA	NA	NA
MW-7	2-4'	6.5	Jan-04	NA	17	<29	**2,860**	<29	<40	2,860
MW-7	10-12'	2.9	Jan-04	NA	**178**	<28	**4,230**	<28	<39	4,230
MW-7	20-22'	0.0	Jan-04	4.29	NA	NA	NA	NA	NA	NA
MW-8	4-6'	3.1	Jan-04	NA	<5.4	<27	**1,610**	<27	<38	1,610
MW-8	6-7'	0.0	Jan-04	6.47	NA	NA	NA	NA	NA	NA
MW-8	13.6-14'	0.8	Jan-04	NA	NA	38	<28	<28	<39	38
B-9	4-6'	0.0	Jan-04	NA	16	<28	**2,040**	97	<40	2,137
B-9	14-16'	0.8	Jan-04	NA	<5.4	<30	**300**	<30	<41	300
MW-9	2.25-4'	1.0	Nov-04	NA	NA	<33	<33	<33	<44	0
MW-10	2-4'	1.0	Nov-04	NA	NA	<31	58	<31	<44	58
PZ-12	2-4.5'	0.0	Nov-04	NA	NA	<28	<28	<28	<40	0
PZ-12	22-24'	1.0	Nov-04	NA	NA	<30	<30	<30	<41	0
PZ-13	17-19'	2.0	Nov-04	NA	<6.1	<31	**184**	<31	<43	184
PZ-13	36-38'	0.0	Nov-04	NA	<5.5	<27	<27	<27	<38	0
GP-14	10-12'	2.0	Nov-04	NA	6.4	<29	**493**	<29	<40	493
GP-15	10-12'	2.0	Nov-04	NA	<6.0	<30	<30	<30	<42	0
HA1	2'	NA	Nov-04	NA	NA	<33	<33	<33	<46	0
HA2	2.5'	NA	Nov-04	NA	NA	<37	**115**	<37	<53	115

TABLE 1

SOIL ANALYTICAL RESULTS - DETECTED VOC PARAMETERS

TWIN BROOK CLEANERS, PLYMOUTH, WI

Sample ID	Depth (feet)	PID (su)	Sample Date	Total Organic Carbon (percent)	DRO (mg/kg)	cis-1,2 DCE (ug/kg)	PCE (ug/kg)	TCE (ug/kg)	VC (ug/kg)	Sum CVOCs
NR 720 Residual Contaminant Levels				NS	**100**	NS	NS	NS	NS	NS
WDNR RR-682 Generic RCL Migration to Groundwater				NS	NS	27	4	4	0.1	
WDNR Site Specific RCL Migration to Groundwater				5.88	NS	**310**	**94**	**100**	NA	
NR746 & RR682 Soil Screening Levels - Potential Free Product				NS	NS	1,300,000	240,000	1,300,000	1,200,000	
WDNR RR-682 SSL Non-Industrial Ingestion				NS	NS	156,000	**1,230**	5,810	45.6	
WDNR RR-682 SSL Non-Industrial Inhalation Volatiles				NS	NS	NS	1,900	850	52	
WDNR RR-682 SSL Inhalation Volatiles Industrial				NS	NS	NS	33,000	14,000	870	
WDNR RR-682 SSL Soil Ingestion Industrial				NS	NS	156,000	55,000	260,000	2,040	NS
HA3	0.5'	NA	Nov-04	NA	NA	<35	<35	<35	<48	0
HA4	0.4-1'	0.0	Dec-06	NA	<4.1	<25	45J	<25	<25	45
HA5	0.5-0.8'	2.0	Dec-06	NA	**160**	<25	**130**	<25	<25	130
HA6	0.4-0.6'	0.0	Dec-06	NA	<3.9	<25	69	<25	<25	69
HA7	0.4-0.6'	0.0	Dec-06	NA	<3.8	<25	75	<25	<25	75
MeOH Blank			Aug-03	NA	NA	<25	<25	<25	<35	0
MeOH Blank			Jan-04	NA	NA	<25	<25	<25	<35	0
MeOH Blank			Nov-04	NA	NA	<25	<25	<25	<35	0
MeOH Blank*			Dec-06	NA	NA	<25	<25	<25	<25	51
AVERAGE				5.88						799

Notes: NA= Not analyzed for parameter

ND = Not Detected

NS = No WDNR Standard

BOLD indicates exceedance of residual contaminant level.

J = Analyte has been detected between the limit of detection and the limit of quantitation.

* Hexachlorobutadiene decteded in MeOH Blank at 51 (J) ug/L.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - SELECTED VOC PARAMETERS
TWIN BROOK CLEANERS, PLYMOUTH, WI

Sample ID	Location	Sample Date	**Benzene** (ug/l)	Toluene (ug/l)	Chloro methane (ug/l)	**cis-1,2-DCE** (ug/l)	trans-1,2-DCE (ug/l)	**PCE** (ug/l)	**TCE** (ug/l)	VC (ug/l)	**BDCM** (ug/l)	DBCM (ug/l)	**Chloroform** (ug/l)
NR 140.10 Preventive Action Limit			**0.5**	160	3.0	**7**	20	**0.5**	**0.5**	0.02	**0.06**	6.0	**0.6**
NR 140.10 Enforcement Standard			5	800	30	70	100	**5**	**5**	0.2	**0.6**	60	**6**
MW-1	Near Concrete Pad	Sep-99	ND	ND	ND	**14**	ND	**35**	**5.4**	ND			
MW-1		8/22/2003	<0.25	<0.25	<0.25	4.6	0.72	**21**	**6.5**	<0.25	<0.25	<0.25	<0.25
MW-1		2/17/2004	<0.20	<0.20	<0.20	3.9	0.85	**10**	**4.2**	<0.20	<0.20	<0.20	<0.20
MW-1		11/11/2004	<0.20	<0.20	<0.20	<0.50	<0.50	**25**	**1.7**	<0.20	<0.20	<0.20	<0.20
MW-1		2/9/2005	<0.20	<0.20	<0.20	<0.50	<0.50	**25**	**3.3**	<0.20	<0.20	<0.20	<0.20
MW-1		5/29/2008	<0.41	<0.67	<0.24	1.2	<0.89	**53.2**	**4.0**	<0.18	<0.56	<0.81	<0.37
MW-1		11/17/2008	<0.41	<0.67	<0.24	1.2	<0.89	**60.1**	**1.2**	<0.18	<0.56	<0.81	<0.37
MW-1		2/15/2011	<0.41	<0.67	<0.24	2.6	<0.89	**45.6**	**2.4**	<0.18	<0.56	<0.81	<1.3
MW-1		6/29/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**52.1**	**0.74J**	<0.18	<0.56	<0.81	**1.8J**
MW-1 Dup		6/29/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**51.9**	**0.63J**	<0.18	<0.56	<0.81	**1.8J**
MW-1		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**50.4**	<0.48	<0.18	**0.86J**	<0.81	**3.4J**
MW-2	SW Corner of Property	8/22/2003	<0.25	<0.25	0.59	3.5	<0.50	**12**	**3.4**	<0.25	<0.25	<0.25	<0.25
MW-2		2/17/2004	<0.20	<0.20	<0.20	1.6	<0.50	**13**	**3.3**	<0.20	<0.20	<0.20	<0.20
MW-2		11/11/2004	<0.20	<0.20	<0.20	0.81	<0.50	**9.6**	**1.2**	<0.20	<0.20	<0.20	<0.20
MW-2		2/8/2005	<0.20	<0.20	<0.20	<0.50	<0.50	**8.9**	**1.8**	<0.20	<0.20	<0.20	<0.20
MW-2		5/29/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**43**	**8.4**	<0.18	<0.56	<0.81	<0.37
MW-2		11/17/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**19.2**	**1.3**	<0.18	<0.56	<0.81	<0.37
MW-2		6/29/2011	<0.41	<0.67	<0.24	2.0	<0.89	**19.4**	**6.1**	<0.18	<0.56	<0.81	<1.3
MW-2		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**16.7**	**0.88J**	<0.18	<0.56	<0.81	**3.0J**
MW-3	West of Parking Lot in Grass	8/22/2003	<0.25	<0.25	<0.25	<0.50	<0.50	**0.90**	<0.25	<0.25	<0.25	<0.25	<0.25
MW-3		2/17/2004	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
MW-3		11/10/2004	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
MW-3		2/8/2005	0.22	0.26	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
MW-3		6/29/2011	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	**0.78J**	<0.81	**4.2J**
MW-3		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	**0.88J**	<0.81	**3.4J**
MW-4	Near West Side Bldg Door	8/22/2003	0.43	0.73	0.31	<0.50	<0.50	**9.4**	<0.25	<0.25	<0.25	<0.25	<0.25
MW-4		2/17/2004	<0.20	<0.20	<0.20	<0.50	<0.50	**8.9**	<0.20	<0.20	<0.20	<0.20	<0.20
MW-4		11/10/2004	0.21	0.24	<0.20	<0.50	<0.50	**7.7**	<0.20	<0.20	<0.20	<0.20	<0.20
MW-4		2/8/2005	<0.20	<0.20	<0.20	<0.50	<0.50	**6.2**	<0.20	<0.20	<0.20	<0.20	<0.20
MW-4		5/29/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**4.3**	<0.48	<0.18	<0.56	<0.81	<0.37
MW-4		11/17/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**10.2**	<0.48	<0.18	<0.56	<0.81	<0.37
MW-4		6/29/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**3.0**	<0.48	<0.18	**1.2**	5.5	**5.8**
MW-4		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**4.1**	<0.48	<0.18	**0.96J**	<0.81	**3.9J**

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - SELECTED VOC PARAMETERS
TWIN BROOK CLEANERS, PLYMOUTH, WI

Sample ID	Location	Sample Date	**Benzene** (ug/l)	Toluene (ug/l)	Chloro methane (ug/l)	**cis-1,2-DCE** (ug/l)	trans-1,2-DCE (ug/l)	**PCE** (ug/l)	**TCE** (ug/l)	VC (ug/l)	**BDCM** (ug/l)	DBCM (ug/l)	**Chloroform** (ug/l)
NR 140.10 Preventive Action Limit			**0.5**	160	3.0	**7**	20	**0.5**	**0.5**	0.02	**0.06**	6.0	**0.6**
NR 140.10 Enforcement Standard			5	800	30	70	100	**5**	**5**	0.2	**0.6**	60	**6**
PZ-5	Near Concrete Pad	8/22/2003	<0.25	0.32	<0.25	5.0	<0.50	<0.50	0.46	<0.25	<0.25	<0.25	<0.25
PZ-5		2/17/2004	<0.20	<0.20	<0.20	4.1	<0.50	**0.88**	**0.69**	<0.20	<0.20	<0.20	<0.20
PZ-5		11/11/2004	<0.20	<0.20	<0.20	3.0	<0.50	**1.30**	**0.67**	<0.20	<0.20	<0.20	<0.20
PZ-5		2/8/2005	<0.20	<0.20	<0.20	2.3	<0.50	**1.10**	**0.57**	<0.20	<0.20	<0.20	<0.20
PZ-5		5/29/2008	<0.41	<0.67	<0.24	2.4	<0.89	**1.7**	**0.66**	<0.18	<0.56	<0.81	<0.37
PZ-5		11/17/2008	<0.41	<0.67	<0.24	1.4	<0.89	**1.6**	<0.48	<0.18	<0.56	<0.81	<0.37
PZ-5		6/29/2011	<0.41	<0.67	<0.24	2.0	<0.89	**1.1**	**0.57J**	<0.18	<0.56	<0.81	<1.3
PZ-5		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**1.9**	<0.48	<0.18	<0.56	<0.81	<1.3
MW-6	Near NE Bldg Corner	2/17/2004	**1.2**	0.95	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
MW-6		11/10/2004	<0.20	0.22	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
MW-6		2/8/2005	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
MW-6		6/29/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**2.5**	<0.48	<0.18	**1.1**	5.5	**5.9**
MW-6		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**3.9**	<0.48	<0.18	**2.0**	<0.81	**6.2**
MW-7	West Side of North Parking Lot	2/17/2004	**0.58**	0.68	<0.20	<0.50	<0.50	**3.2**	<0.20	<0.20	<0.20	<0.20	<0.20
MW-7		11/10/2004	<0.20	<0.20	<0.20	<0.50	<0.50	**39**	<0.20	<0.20	<0.20	<0.20	<0.20
MW-7		2/9/2005	<0.20	<0.20	<0.20	<0.50	<0.50	**35**	<0.20	<0.20	<0.20	<0.20	<0.20
MW-7		5/29/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**224**	**1.5**	<0.18	<0.56	<0.81	<0.37
MW-7		11/17/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**222**	**1.9**	<0.18	<0.56	<0.81	<0.37
MW-7		2/15/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**111**	**2.0**	<0.18	<0.56	<0.81	<1.3
MW-7		6/28/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**67.0**	**1.1**	<0.18	<0.56	<0.81	<1.3
MW-7		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**253**	**2.7**	<0.18	<0.56	<0.81	<1.3
MW-7 Dup		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**273**	**3.0**	<0.18	<0.56	<0.81	<1.3
MW-7		4/2/2012	<0.82	<1.3	<0.48	<1.7	<1.8	**283**	**4.8**	<0.36	<1.1	<1.6	<2.6
MW-7		8/6/2012	<0.41	<0.67	<0.24	<0.83	<0.89	**39.6**	**0.87**	<0.18	<0.56	<0.81	<1.3
MW-8	East of Bike Path, Next to River	2/17/2004	<0.20	<0.20	<0.20	**9.6**	0.53	**98**	**5.8**	<0.20	<0.20	<0.20	<0.20
MW-8		11/11/2004	<0.20	<0.20	<0.20	<0.50	<0.50	**30**	0.3	<0.20	<0.20	<0.20	<0.20
MW-8		2/9/2005	<0.20	<0.20	<0.20	<0.50	<0.50	**23**	**1.1**	<0.20	<0.20	<0.20	<0.20
MW-8		5/29/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**69.5**	**2.1**	<0.18	<0.56	<0.81	<0.37
MW-8		11/17/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**95.3**	<0.48	<0.18	<0.56	<0.81	<0.37
MW-8		2/15/2011	<0.41	<0.67	0.26	<0.83	<0.89	**39.3**	<0.48	<0.18	<0.56	<0.81	<1.3
MW-8		6/28/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**45.0**	<0.48	<0.18	<0.56	<0.81	**2.3J**
MW-8		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**42.0**	<0.48	<0.18	**1.1**	<0.81	**4.7J**
MW-9	Near River	11/11/2004	<0.20	<0.20	<0.20	<0.50	<0.50	**6.3**	**0.98**	<0.20	<0.20	<0.20	<0.20
MW-9		2/9/2005	<0.20	<0.20	<0.20	<0.50	<0.50	**3.7**	<0.20	<0.20	<0.20	<0.20	<0.20
MW-9		5/29/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**2.9**	<0.48	<0.18	<0.56	<0.81	<0.37
MW-9		11/17/2008	<0.41	<0.67	<0.24	<0.83	<0.89	**5.7**	<0.48	<0.18	<0.56	<0.81	<0.37
MW-9		6/28/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**3.5**	<0.48	<0.18	<0.56	<0.81	<1.3
MW-9		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**5.0**	<0.48	<0.18	<0.56	<0.81	**3.0J**

TABLE 2
GROUNDWATER ANALYTICAL RESULTS - SELECTED VOC PARAMETERS
TWIN BROOK CLEANERS, PLYMOUTH, WI

Sample ID	Location	Sample Date	**Benzene** (ug/l)	Toluene (ug/l)	Chloro methane (ug/l)	**cis-1,2-DCE** (ug/l)	trans-1,2-DCE (ug/l)	**PCE** (ug/l)	**TCE** (ug/l)	VC (ug/l)	**BDCM** (ug/l)	DBCM (ug/l)	**Chloroform** (ug/l)
NR 140.10 Preventive Action Limit			**0.5**	160	3.0	**7**	20	**0.5**	**0.5**	0.02	**0.06**	6.0	**0.6**
NR 140.10 Enforcement Standard			5	800	30	70	100	**5**	**5**	0.2	**0.6**	60	**6**
MW-10	Near River	11/11/2004	<0.20	<0.20	<0.20	**9.6**	<0.50	**3.6**	**4.2**	<0.20	<0.20	<0.20	<0.20
MW-10		2/9/2005	<0.20	<0.20	<0.20	**7.3**	<0.50	**3.7**	**4.7**	<0.20	<0.20	<0.20	<0.20
MW-10 Dup		2/9/2005	<0.20	<0.20	<0.20	**7.0**	<0.50	**3.5**	**4.5**	<0.20	<0.20	<0.20	<0.20
MW-10		5/29/2008	<0.41	<0.67	<0.24	5.7	<0.89	**13.6**	**7.5**	<0.18	<0.56	<0.81	<0.37
MW-10		11/17/2008	<0.41	<0.67	<0.24	**7.3**	<0.89	**9.0**	**6.3**	<0.18	<0.56	<0.81	<0.37
MW-10		6/28/2011	<0.41	<0.67	<0.24	3.6	<0.89	**4.7**	**3.3**	<0.18	<0.56	<0.81	<1.3
MW-10		11/1/2011	<0.41	<0.67	0.35J	6.0	<0.89	**6.7**	**4.7**	<0.18	<0.56	<0.81	<1.3
MW-10		4/2/2012	<0.41	<0.67	<0.24	3.3	<0.89	**3.4**	**2.0**	<0.18	<0.56	<0.81	<1.3
MW-11	Across River	11/10/2004	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
MW-11		2/8/2005	<0.20	0.22	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
MW-11		6/28/2011	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<1.3
MW-11		11/1/2011	Abandoned 9/28/2011										
PZ-12	Across River	11/10/2004	0.33	0.33	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
PZ-12		2/8/2005	0.25	0.24	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
PZ-12		6/28/2011	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<1.3
PZ-12		11/1/2011	Abandoned 9/28/2011										
PZ-13	By MW-4	11/10/2004	<0.20	<0.20	<0.20	<0.50	<0.50	**0.71**	<0.20	<0.20	<0.20	<0.20	<0.20
PZ-13 DUP		11/10/2004	<0.20	<0.20	<0.20	<0.50	<0.50	**0.73**	<0.20	<0.20	<0.20	<0.20	<0.20
PZ-13		2/8/2005	<0.20	<0.20	<0.20	<0.50	<0.50	**0.96**	<0.20	<0.20	<0.20	<0.20	<0.20
PZ-13		5/29/2008	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<0.37
PZ-13		11/17/2008	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<0.37
PZ-13		6/29/2011	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	**0.69J**	<0.81	**4.0J**
PZ-13		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	**0.94J**	<0.48	<0.18	**0.62J**	<0.81	**2.6J**
Blank		11/10/2004	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
Blank		11/11/2004	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
Blank		2/8/2005	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20
Blank		5/29/2008	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<0.37
Blank		11/17/2008	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<0.37
Blank		6/29/2011	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<1.3
Blank		11/1/2011	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<1.3
Blank		8/6/2012	<0.41	<0.67	<0.24	<0.83	<0.89	<0.45	<0.48	<0.18	<0.56	<0.81	<1.3

Notes:

Xylenes reported as total of m-, o-, p-xylenes
BDCM = Bromodichloromethane
DBCM = Dibromochloromethane
NA= Not analyzed for parameter; ND = Not Detected, Detection Limit Not Known
Bold value indicates exceedance of NR 140.10 Preventive Action Limit
Bold and Boxed value indicates exceedance of NR 140.10 Enforcement Standard

TABLE 3 : SURVEY AND WATER LEVEL DATA

Twin Brook Cleaners DERF Investigation, Plymouth, WI

STATION	LOCATION	OBJECT	Object Elevation (Ft)	Well PVC Stickup feet	Well Total Depth Feet brl	Well Total Depth Feet bgs	Well Screened Interval Ft bgs	Water Level Data 8/22/2003 Reading Below PVC	Reading Below Grade	Elevation Ft
MW-1	South side of west parking lot	Ground	96.47							
		PVC Lip	96.15	-0.32	23.07	23.39	23.4 - 13.4	19.23	19.55	76.92
MW-2	SW corner of west parking lot	Ground	95.17							
		PVC Lip	94.71	-0.46	26.29	26.75	26.75-16.75	17.91	18.37	76.80
MW-3	West side of west parking lot	Ground	94.97							
		PVC Lip	94.59	-0.38	26.41	26.79	26.8-16.8	17.54	17.92	77.05
MW-4	In front of building door	Ground	97.31							
		PVC Lip	96.87	-0.44	26.25	26.69	26.7-16.7	19.67	20.11	77.20
PZ-5	South side of west parking lot	Ground	96.75							
		PVC Lip	96.16	-0.59	40.00	40.59	40.6-35.6	19.73	20.32	76.43
MW-6	South side of east driveway	Ground	98.92							
		PVC Lip	98.73	-0.19	29.29	29.48	29.5-19.5	--	--	--
MW-7	West side of north parking lot	Ground	96.27							
		PVC Lip	95.83	-0.44	26.31	26.75	26.75-16.75	--	--	--
MW-8	Near bike path, SW of property	Ground	79.40							
		PVC Lip	79.13	-0.27	7.63	7.89	7.9-2.9	--	--	--
MW-9	Near bike path, south of MW-8	Ground	81.20							
		PVC Lip	80.97	-0.23	12.01	12.24	2.2-12.2			
MW-10	Near bike path, north of MW-8	Ground	78.76							
		PVC Lip	78.51	-0.25	11.67	11.92	1.9 - 11.9			
MW-11	West of Mullet River, near power pole	Ground	79.28							
		PVC Lip	79.03	-0.25	12.45	12.70	2.7 - 12.7			
PZ-12	West of Mullet River, near power pole	Ground	79.24							
		PVC Lip	78.56	-0.68	24.51	25.19	20.2 - 25.2			
PZ-13	Adjacent to MW-4	Ground	97.20							
		PVC Lip	96.60	-0.60	39.71	40.31	35.3 - 40.3			
Staff Gauge	In Mullet River, west of MW-8	Top	78.93							

TABLE 3 : SUTABLE 3 : SURVEY AND WATER LEVEL DATA

Twin Brook CITwin Brook Cleaners DERF Investigation, Plymouth, WI

STATION	Water Level Data			Water Level Data			Water Level Data			Water Level Data		
	2/17/2004			3/1/2004			11/10/2004			2/8/2005		
	Reading Below PVC	Reading Below Grade	Elevation Ft	Reading Below PVC	Reading Below Grade	Elevation Ft	Reading Below PVC	Reading Below Grade	Elevation Ft	Reading Below PVC	Reading Below Grade	Elevation Ft
MW-1	19.24	19.56	76.91	19.05	19.37	77.10	18.65	18.97	77.50	18.71	19.03	77.44
MW-2	17.87	18.33	76.84	17.62	18.08	77.09	17.27	17.73	77.44	17.27	17.73	77.44
MW-3	17.59	17.97	77.00	17.37	17.75	77.22	17.03	17.41	77.56	17.11	17.49	77.48
MW-4	19.76	20.20	77.11	19.63	20.07	77.24	19.21	19.65	77.66	19.33	19.77	77.54
PZ-5	19.70	20.29	76.46	19.51	20.10	76.65	19.20	19.79	76.96	19.25	19.84	76.91
MW-6	21.66	21.85	77.07	21.53	21.72	77.20	21.10	21.29	77.63	21.24	21.43	77.49
MW-7	18.73	19.17	77.10	18.60	19.04	77.23	18.17	18.61	77.66	18.31	18.75	77.52
MW-8	2.44	2.71	76.69	2.09	2.36	77.04	1.84	2.11	77.29	1.72	1.99	77.41
MW-9							3.72	3.95	77.25	3.55	3.78	77.42
MW-10							2.07	2.32	76.44	1.78	2.03	76.73
MW-11							2.60	2.85	76.43	2.14	2.39	76.89
PZ-12							1.93	2.61	76.63	1.58	2.26	76.98
PZ-13							18.95	19.55	77.65	19.10	19.70	77.50
Staff Gauge							3.23		75.70	2.68		76.25

TABLE 3 : SLTABLE 3 : SURVEY AND WATER LEVEL DATA												
Twin Brook CITwin Brook Cleaners DERF Investigation, Plymouth, WI												
STATION	Water Level Data			Water Level Data			Water Level Data			Water Level Data		
	5/29/2008			11/14/2008			2/15/2011			6/28/2011		
	Reading Below PVC	Reading Below Grade	Elevation Ft	Reading Below PVC	Reading Below Grade	Elevation Ft	Reading Below PVC	Reading Below Grade	Elevation Ft	Reading Below PVC	Reading Below Grade	Elevation Ft
MW-1	17.95	18.27	78.20	18.75	19.07	77.40	18.70	19.02	77.45	17.18	17.50	78.97
MW-2	16.60	17.06	78.11	17.33	17.79	77.38	Not Taken			15.82	16.28	78.89
MW-3	16.32	16.70	78.27	17.12	17.50	77.47	Not Taken			15.64	16.02	78.95
MW-4	18.50	18.94	78.37	19.35	19.79	77.52	Not Taken			17.75	18.19	79.12
PZ-5	19.60	20.19	76.56	19.33	19.92	76.83	Not Taken			17.99	18.58	78.17
MW-6	20.37	20.56	78.36	21.19	21.38	77.54	Not Taken			19.58	19.77	79.15
MW-7	17.48	17.92	78.35	18.31	18.75	77.52	18.28	18.72	77.55	16.67	17.11	79.16
MW-8	1.46	1.73	77.67	1.87	2.14	77.26	1.80	2.07	77.33	0.68	0.95	78.45
MW-9	3.28	3.51	77.69	3.79	4.02	77.18	Not Taken			2.58	2.81	78.39
MW-10	2.06	2.31	76.45	2.13	2.38	76.38	Not Taken			1.72	1.97	76.79
MW-11	1.78	2.03	77.25	2.61	2.86	76.42	Not Taken			1.99	2.24	77.04
PZ-12	2.46	3.14	76.10	1.88	2.56	76.68	Not Taken			4.50	5.18	74.06
PZ-13	18.22	18.82	78.38	19.10	19.70	77.50	Not Taken			17.47	18.07	79.13
Staff Gauge	3.38		75.55	3.17		75.76	Not Taken			Not Taken		

TABLE 4 SUB-SLAB VAPOR ANALYTICAL RESULTS

DETECTED VOC PARAMETERS

Twin Brook Cleaners, 633 Eastern Ave., Plymouth, WI 53073

Sample	Sample Date	Sample Location	**Tetrachloro ethene**	Trichloroethene	cis 1,2-Dichloroethene	Vinyl Chloride
VP-A	10/11/2011	Front Door	**2,680**	4.9	1.6	<0.35
VP-B	10/11/2011	Center of Building	**9,190**	<0.74	<1.1	<0.35
VP-C	10/11/2011	Dry Cleaning Machine	606	5.5	<1.1	<0.35
WDNR / WDHFS Soil Gas			18000 ug/m^3 C	880 ug/m^3 C	NS	2800 ug/m^3 C
WDNR / WDHFS Commercial Subslab			**1800 ug/m^3 C**	88 ug/m^3 C	NS	280 ug/m^3 C
WDNR / WDHFS Commercial Indoor Air			180 ug/m^3 C	8.8 ug/m^3 C	NS	28 ug/m^3 C

Notes:
N = Noncarcinogen; C = Carcinogen
BOLD and BOXED: Exceeds Subslab Vapor Standard
NS : No Standards
Standards from WDNR Indoor Air Vapor Action Levels for Various VOC's Quick Look Up Table based on EPA Regional Screening Tables from Nov 2011